AVerMedia

EYES Pro/ MP2016/MP3000/MP5000

Digital Video Surveillance System

User's Manual

300AABCK/400/0616

FCC NOTICE

This device has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a commercial, industrial or business environment. This equipment can generate, use and radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION ON MODIFICATIONS

To comply with the limits for the Class A digital device, pursuant to Part 15 of the FCC Rules, this device must be installed in computer equipment certified to comply with the Class A limits. All cables used to connect the computer and peripherals must be shielded and grounded. Operation with non-certified computers or non-shielded cables may result in interference to radio or television reception.

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

CE NOTICE

This is a Class A product.

ENG 02

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DISCLAIMER

No warranty or representation, either expressed or implied, is made with respect to the contents of this documentation, its quality, performance, merchantability, or fitness for a particular purpose. Information presented in this documentation has been carefully checked for reliability; however, no responsibility is assumed for inaccuracies. The information contained in this documentation is subject to change without notice.

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Chapter 1 Introduction

Welcome to the realm of AVerMedia. AVerMedia EYES Pro /MP2016/ MP3000/MP5000, composed of one 32-bit PCI video capture card, works as a digital video surveillance system. It allows you to capture true color images and real-time videos from 4/8/16 camera input(s) simultaneously.

With the latest Motion Detection technology, once any movement detected in the monitoring area, AVerMedia EYES Pro/MP2016/MP3000/ MP5000 automatically starts recording and triggers the alarm. You don't need to keep your eyes on the monitor all day long anymore; the system will alert you automatically when specified events occur.

1.1 Manual Conventions

The following conventions are used throughout this manual.

Туре	Stands for	Example
[paren.]	Keys on the keyboard	[Enter]
"Quotes"	Words to be typed in	"AVerMedia"
Italic	User in each authorization level	Administrator
Bold	Name of a dialog box, Sections/Option title in the dialog box/Field names/Buttons	Schedule Backup
Underlined	Table columns	<u>Start</u>

Caution Message: These messages are to advise you to proceed carefully. Failure to pay attention could result in damage to the system and may put personnel and environment at risk.



Informational Message: These messages are intended to provide additional information for the purpose of clarification.

1.2 Video Card Specification



Product	Video Card	Specifications
4 EYES Pro	1 card	Each video capture card with 4 video inputs
8 EYES Pro	2 cards	Each video capture card with 4 video inputs
16 EYES Pro	4 cards	Each video capture card with 4 video inputs
MP3004	1 card	Each video capture card with 4 video inputs
MP3008	1 card w/ 1 daughter card	Each video capture card with 4 video inputs
MP2016/MP3016	1 card w/ 3 daughter cards	Each Video capture card with 4 video inputs
MP5004	1 card	Each video capture card with 4 video inputs
MP5008	1 card w/ 1 daughter card	Each video capture card with 4 video inputs
MP5016 2 cards w/2 daughter cards		Each video capture card with 4 video inputs



AVerMedia has been dedicated to innovating the technology of digital video surveillance system. We have had a significant innovation on promoting hardware that is presented as the part of MP series above.

1.3 Package Contents

Your AVerMedia EYES Pro/MP2016/MP3000/MP5000 package includes the following :



- 1 / 2 / 4 AVerMedia Video Card(s) for EYES Pro
- 1/2 AVerMedia Video Card(s) and 1/3 daughter card(s) for MP2016/MP3000/MP5000
- AVerMedia EYES Pro/MP2016/MP3000/MP5000 Software CD (Including Driver, Application Software, and User's Manual)
- AVerMedia EYES Pro/MP2016/MP3000/MP5000
 User's Manual



• Optional external I/O Box and 15-pin D-type Connector Cable

1.4 Hardware Recommendations

CPU	Pentium [®] III 800MHz or above recommended		
Motherboard	Intel 815E/815EP (PIII), 845(P4), 845D(P4), 845E(P4), 845G(P4)		
	List of motherboards tested:		
	• ASUS P4B		
	ASUS P4B266		
	• ASUS P4B533		
	ASUS P4B533-V		
	• GIGABYTE 8IRX		
	• GIGABYTE 8IEX		
	• GIGABYTE 8IEXP		
	• GIGABYTE 8IGX		
	• MSI 845E Max2		
	MSI 845G Max		
	(VIA/SiS/ALi chipset motherboards		
	temporarily not supported)		
OS	Microsoft [®] Windows 98SE/Me/2000 Pro. /XP Pro.		
Expansion Slots	1 / 2 / 3 / 4 × 32-bit PCI 2.1 compliant slots		
	 Transcend DDR 256MB (DDR-266) 		
RAM	KingSton DDR 256MB (DDR-266)		
	KingMax SDRAM 256MB (PC-133)		
	 KingMax DDR 256MB(DDR-333) 		

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Hard disk	40 GB of free hard disk space, at least 6GB free space for each partition.				
HDD	 Seagate ST340016A (40G 72000rpm) Seagate ST380021A (80G 7200rpm) 				
Media	CD-ROM drive				
	16-bit high color SVGA graphic card with DirectDraw capability				
	List of VGA Cards tested:				
VGA	 Leadtek WinFast GeForce2 MX400 Leadtek WinFast A170 DDR TDH Leadtek WinFast 3D S325 32MB Leadtek WinFast A250 TD 128MB ATI RADEON 8500 64MB/128MB ELSA GLADIAC 525 128MB ELSA GLADIAC 517 VIVO 64MB 				
Audio	Sound card and speakers				
	List of modems tested:				
	Modem2modem feature				
Modem	Internal: • USR 5699A (Chipset: 3COM) • Creative Lab DI5630 (Chipset: Broadxent) • SmartLink 5634PSV-R • QDK Speedcom+ VPI56SP (Chipset: Conexant) • GVC 56K V.90 Voice/Fax (Chipset: Motorola) • CyberMarmot Rock Modem (Chipset: Ambient) • Lemel MD-56KVR4 (Chipset: Conexant)				
	External: • USR 5686D (Chipset: USR) • GVC 56Kbps (Chipset: Rockwell) • Atrie Explore (Chipset: Conexant) • Zyxel Omni 56K Data/Voice (Chipset: Zyxel) • SmartLink 56TS (Chipset: TI) • SmartLink 56TPC (Chipset: IC+) • ART NET V1456VQE (Chipset: TOPIC) • Well USB Soft Modem FM-56USB-ST (USB interface)				

4

Modem	Alarm call out feature				
	Internal:				
	 Creative Lab DI5630 (Chipset: Broadxent) Creative Lab DI5630-5 (Chipset: Broadxent) 				



For the current update information, please check our website.

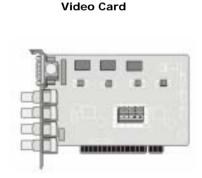
1.5 Installing the Video Cards

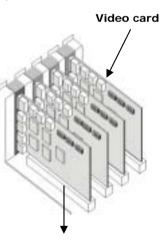
1.5.1 Installing the AVerMedia EYES Pro Video Cards

The following instructions are for installing video cards into the AVerMedia EYES Pro system.



Before installing the video card, turn off the computer's power, unplug the power cable and disconnect all other cables attached to the back of the computer.





PCI Slot

- 1. Remove the computer cover.
- 2. Remove the I/O brackets for the four PCI expansion slots. Save the screws.
- 3. Insert the AVerMedia video cards into the available PCI expansion slots.
- 4. Replace the computer cover and reconnect all cables.

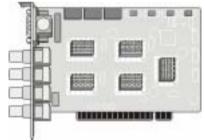
1.5.2 Installing the AVerMedia MP2016/MP3000/MP5000 Video Cards

The following instructions are for installing video cards into the AVerMedia MP2016/MP3000/MP5000 system.

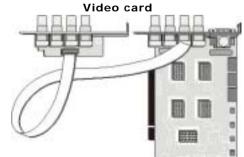


Before installing the video card, turn off the computer's power, unplug the power cable and disconnect all other cables attached to the back of the computer.

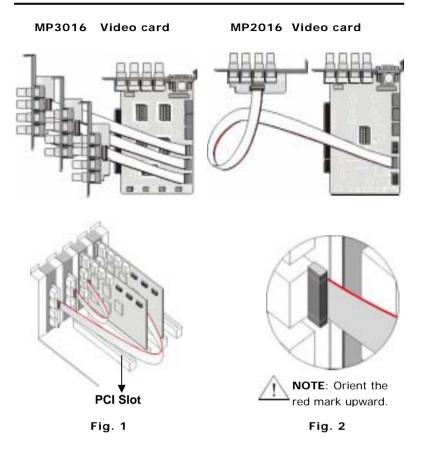
MP3004/MP5004/MP5008 Video card



MP3008/MP5016



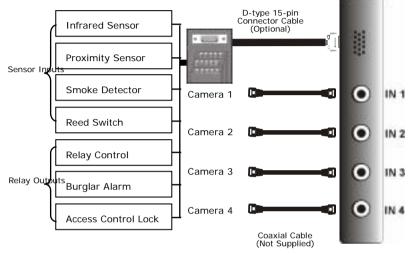
5



- 1. Remove the computer cover.
- 2. Remove the I/O brackets for the four PCI expansion slots. Save the screws.
- 3. Align AVerMedia video card connector with the available PCI slots.
- 4. Screw AVerMedia video card and the 3 daughter cards respectively into the rear panel with the screws. See the Fig.1.
- 5. Connect the 3 daughter cards to AVerMedia video card with ribbon cables. See the Fig.2.
- 6. Replace the computer cover and reconnect all cables.

1.6 Connecting the AVerMedia Video Cards

Up to four cameras can be connected to each AVerMedia video card one camera per BNC terminal.

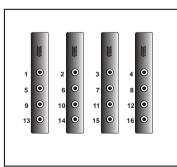


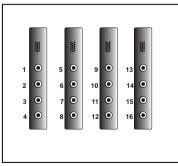
1.7 Attaching Cameras

Cameras must be attached to the BNC connectors of the server video cards in a specific order to avoid transmission problems. Video cards are stacked vertically into the chassis. If all four video cards are installed, the rear panel of the server will appear as shown in the diagrams below.

EYES Pro

MP2016/MP3000/MP5000

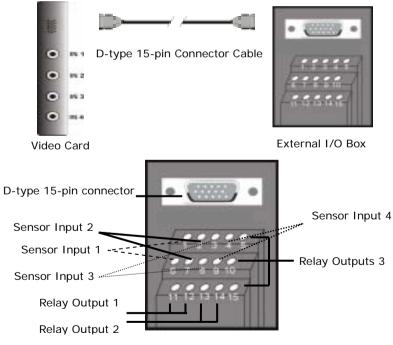




Cameras need to be installed according to the numerical order displayed on the diagrams above. Whether you have one, two, three or four video cards, the pattern is the same - **cameras will be installed from left to right starting with the top row for EYES Pro and from top to bottom beginning with the left-most column for MP2016/MP3000/MP5000.**

1.8 Connecting External Sensor/Relay

Each system can come with optional External I/O Boxes and D-type 15pin connector cables enabling you to connect sensor inputs and relay outputs. The pin signals and specifications for the external I/O Box and the D-type 15-pin connectors are described below.



External I/O Box

Sensor Input Specification

Absolute Maximum Ratings

and the second second		1		
Parameter		Symbol	Rating	Unit
12312	Forward Current	- In .	. 10	104
most .	Reverse Voltage	Ver,	4	v
	Pawer Dissipation	9	78	1998

(Townshirt)

	Parameter	Symbol	Min.	Tpp.	Max.	Unit	Conditions	
	Forward Voltage	W	-	1.1	1.4	v	120mA	
1	Revenue Cartoni	. be		+	18	A	VestV	
-	Terminal Capacitance	C+		18	250	. pf	Vel. MINH	
	Cellector Dark Carrent	Batt	-		100	1.4	Vm+29V	
1	Collector-Siniber Bracktown Volkage	Reces-	36	-	-		1040.1mA	
1	Eveller-Collector Breaktown Voltage	\$95.00		-	-	v	isetž A	
	*Gurrent Transfer Ralits	CTR	. 58	-	600	. 96.	to show the second	
*	Cellector Cernent	10	2.5		38	Am	is a first, VicaTV Pope	
1	Estilador-orbitar Sobrator Volkage	Viture	-	8.5	8.2	*	4++20mil, 1(=1mA	
81	Isolation Fiealetance	Rec	5-x 10 ^m	101			DC500V. #8-60%-R X	
Transfer Chai	Piceting Copacitiance	C)	-	8.4	1.0	. p#	Vel. Milditz	
	Cut-off Prequency	- h	-			670	Vos=59,10=28A HL=100345	
	Response Tone (Role)	- 5	-	- 4	18		Vision (Vision)	
	Paragonese Time (Pall)	5	-		18		P8.=100	

10796- 12 100%

Relay Output Specification

Surge strength: 1500 VAC Nominal power 200mw ~ 360mw Operating power 110mw ~ 200mw

COIL RATINGS (at 20 °C)

Coil Nominal Voltage (VDC)	Coil Resistance (Ω ±10%)		Drop-Out Voltage (VDC)	Nominal Current (mA)	
5	125	3.75	0.5	40	
* Max Continuous Voltage at 20°C : 110% of Coil Nominal Voltage					

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CONTACT RATINGS

Contact Arrangement	1 Form C (SPDT)	
max. Switch Power max. Switch voltage max. Switch current	125VA 60W 125VAC 30VDC 2A	
Contact Resistance	≦100m Ω	
Resistive Load	1A/125VAC 2A/30VDC	
Contact Material	AgNi10	

External I/O Box Pin Signals

Pin #	Definition
1	INPUT SIGNAL 1+
2	INPUT SIGNAL 2+
3	INPUT SIGNAL 3+
4	INPUT SIGNAL 4+
5	OUTPUT 3 – Normally Closed
6	INPUT SIGNAL 1-(GND)
7	INPUT SIGNAL 2-(GND)
8	INPUT SIGNAL 3-(GND)
9	INPUT SIGNAL 4-(GND)
10	OUTPUT 3 – Common
11	OUTPUT 1 – Normally Open
12	OUTPUT 1 – Common
13	OUTPUT 2 – Normally Open
14	OUTPUT 2 – Common
15	OUTPUT 3 – Normally Open

Sensor Inputs

External sensors such as infrared sensors, smoke detectors, proximity sensors, door sensors, etc., can be attached to the AVerMedia EYES Pro/MP2016/MP3000/MP5000's input-signal connectors on the External I/O Box. These devices trigger the system to respond with a predefined action (e.g. record video)

Relay Outputs

The AVerMedia EYES Pro/MP2016/MP3000/MP5000's output connectors (relay output) can be attached to external output control devices such as alarms. The system can be configured to activate or deactivate these devices. Each AVerMedia video card supports three relay outputs. Two of them are normally open relays with one being a toggle switch.

Chapter 2 Driver Installation

AVerMedia EYES Pro/MP2016/MP3000/MP5000 are Plug-and-Play digital surveillance systems that support Windows 98SE/Me/2000/XP. To start using this system, first install the drivers and application software from the Software CD that comes with AVerMedia EYES Pro/ MP2016/MP3000 /MP5000 system.



Check Your Windows Version

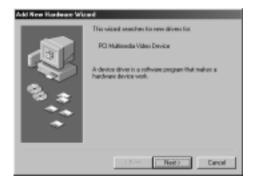
Before you install the driver, check to see whether you are using Windows 98SE, Windows Me, Windows 2000 or Windows XP. To do this, click **Start** \rightarrow **Settings** \rightarrow **Control Panel** on the Window's toolbar, and then double-click System. You will see the Windows version under the General tab.

Depending on the version you use, you will encounter different dialog boxes when installing the driver. Those listed in the following sections are for installing drivers in Windows 98SE/Me, Windows 2000 and Windows XP.

2.1 Installing the Driver in Windows 98SE/Me

After you have properly installed the AVerMedia video card in your computer, power on your computer and start Windows 98SE/Me.

 The first time you install the AVerMedia video card driver, you will see the Add New Hardware Wizard. Insert the Software CD and click the Next button.



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 Select Search for the best driver for your device. (Recommended) and then click the Next button.



 Choose Specify a location and click the Browse button to find the drivers in the [driver] folder of the EYES Pro /MP2016/MP3000 /MP5000 Software CD. Click the Next button.



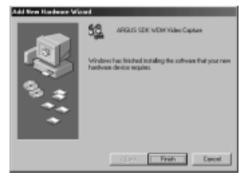
 The Add Hardware Wizard will find ARGUS.inf from the folder you specified. Click the Next button to continue.



5. (For Windows 98SE only) Insert the Windows 98SE CD-ROM to start installing the driver.



 Click the Finish button to complete the installation of video driver.



 Next you need to install the audio driver. Click the Next button to proceed.

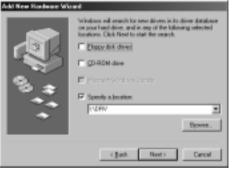


AVerMedia User's Manual EYES Pro/MP2016/MP3000/MP5000

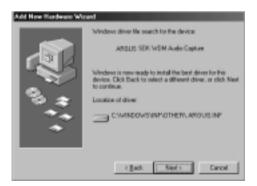
 Select Search for the best driver for your device. (Recommended) and click the Next button.



Select Specify a location and click the Next button.



10. The system will find the video driver you just installed because the audio driver is the same as the video driver. Click the **Next** button to continue.



 Click the **Finish** button to complete the audio driver installation and reboot your PC.

Add New Hardware Wo	
	Aneus sek werk kudo Exerno
	Windows has final-hed installing the achives that your new hardware device requires.
	Cancel

For EYES Pro, you need to take the procedures (1~14) once for each video card. For MP3000, you are asked to repeat the procedures 4 times; for MP2016/MP5000 8 times at most. If you have installed 4 video cards, you will find the system's device manager looking like the following figure.

_	n See ←→ = E 2 35
18.4	a Endorth
8-1	Mice and other painting devices
84	Monkora
18.8	Notwork adaptors
8.,	J Parts (COM & LPT)
84	Sound, video and game controllers
	ARGUS SDK WDM Aude Cepture
	- <e: argus="" audo="" capture<="" sdk="" td="" wdm=""></e:>
	- Q: ARGUS SDK WDM Audio Capture
	- 4 ANGLE SDK WDM Indeo Capture
	-< ARGUS SDK WDM Ildeo Capture
	- Q: ARGUS SDK WDM Ildeo Capture
	- 4 ARGUS SDK WDM Rideo Capture
	< : Audio Cadeos
	- Q: Avance AC97 Audo
	Legacy Audo Drivers
	- <: Legacy Woleo Capiture Devices
	- C Media Control Devices
	- C Standard Game Port
1.	
	System devices
8.4	👻 Universal Serial Dus controllers

2.2 Installing the Driver in Windows 2000

After you have properly installed the video card in your computer, power on your computer and start Windows 2000.

 The first time you install the video card, you will see the Found New Hardware Wizard. Insert the EYES Pro/ MP2016/MP3000/ MP5000 Software CD and click the Next button.



- Select Search for a suitable driver for my device (recommended) and click the Next button.
- Andread Marcel Divisor
 Second divisors is a closure program of an outlies, a blackbown the closure with an analysis of an outlies, a blackbown the closure with an analysis of an outlies are blackbown the closure with the closure divisors are used outlies and an analysis of the closure divisors are used outlies and the second outlies of the closure divisors are used outlies are blackbown the for an analysis of the closure divisors are used outlies and the form.

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 <
- Select Specify a location and click the Next button.



049

4. You'll be prompted to enter or browse the location of the video card driver. Set the right path and click the **OK** button.

heart the manufacture's installation disk into the drive principal, and then click DE.	DK	
		Cancel

 The system will find argus.inf from the folder you specified. Click the Next button to continue.

and here it and the	uer Woard
	earch Results has finished reaching for drive files for your hardware device.
The wipsed	iound a driver to the following device:
- Q. "	Jimmila Voley-Carityler
Window: In	and a driver for this device. To install the driver Windows band, dick Next.
2.	, wyan Pri
	citade Medio Cansal
_	<rafe canad<="" new="" td=""></rafe>

6. Click the **Yes** button to proceed with the installation.

d Signature Not Fa	and N
	The Microsoft digital signature alliess that software has been lasted with Windows and that the software has not been alweed since it was tested.
	The software you are about to install does not cartain a Microsoft digital signature. Therefore, there is no puscentee that this software works correctly with Vurnames.
	ARGUS SDK WDM Wideo Capture
	If you want to enauth for Microsoft digitaly signed software, skit the Windows Update Web site at Mity //windows.gddate.microsoft.com to see if one is available.
	Depositive the installation?
	Yes No Maro Info

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 The system will soon show that it has finished the video driver installation. Click the Finish button.



 Next you need to install the audio driver. Click the Next button to proceed.



Select Search for a suitable driver for my device (recommended) and click the Next button.



AVerMedia User's Manual EYES Pro/MP2016/MP3000/MP5000

10. Check **Specify a** location and click the Next button.



11. You'll be prompted to enter or browse the location of the AVerMedia video card driver. Set the right path and click the **OK** button.

2	Inset the manufacture's installat selected, and then click OF.	ion disk into the	odive [DK
				Cancel
	Copy manufacturer's Res from:			

12. The system will find the video driver you just installed because the audio driver is the same as the video driver. Click the **Next** button to start installing.



13. Click the **Yes** button to proceed with the installation.



14. Click the **Finish** button to complete the installation and reboot your PC.



For EYES Pro, you need to take the procedures (1~14) once for each video card. For MP3000, you are asked to repeat the procedures 4 times; for MP2016/MP5000 8 times at most. If you have installed 4 video cards, you will find the system's device manager looking like the following figure.



2.3 Installing the Driver in Windows XP

After you have properly installed the video card in your computer, power on your computer and start Windows XP.

- 1. The first time you install the video card, you will see the Found New Hardware Wizard. Insert the EYES Pro/ MP2016/MP3000/ MP5000 Software CD and select Install the software automatically (recommended). Click the Next button.
- The system will then find the driver argus.inf in the Software CD and start installing. When this dialog box shows up, click the Continue Anyway button to proceed.



The software you are installing for this hardware: ARGUS SDK WOM Video Capture

> has not passed Windows Logo testing to verify its compatibility with Windows XP. [[et me why this testing is monitors])

Continuing your installation of this software may impair or detabalise the search operation of your system offwar immediately or in the luture. Microsoft strongly recommends that your stap this installation new and contract the hardware vendes ine software that has passed Windows Logo testing.

Continue Argevep STOP Installation

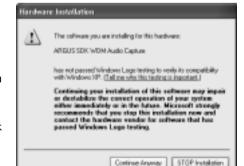
- AVerMedia User's Manual EYES Pro/MP2016/MP3000/MP5000
- After the installation finished, click the Finish button.



 You need to continue installing the audio driver. Select Install the software automatically (recommended) and click the Next button.



5. Because the audio capture uses the same driver as the video capture, the system will find the video driver you just installed and start installing. When this dialog box appears, click the **Continue Anyway** button.



 After the installation finished, click the Finish button.

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	Completing the Found New Hardware Wizard The vised has Visted in thigh the colours for MISLE 1923 WOM duals Capture Doc Frédrocodes the vised
	chek Fink Land

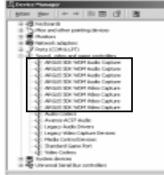
For EYES Pro, you need to take the procedures (1~14) once for each video card. For MP3000, you are asked to repeat the procedures 4 times; for MP2016/MP5000 8 times at most. If you have installed 4 video cards, you will find the system's device manager looking like the following figure.

rtion	See ← → □ E B B
- 21	Keyboards
-5	Mice and other painting devices
- 6	Monitore
i iii)	Network adapters
-9	Parts (COM & LPT)
-4:	Sound, video and game controllers
	ARGUS SDK: WDM Audio Cepture
-	CE ARGUS SDK WDM Audo Capture
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	ARGUS SDK WDM Audio Cepture
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	Legacy Audo Drivers
	E Legacy Wideo Capiture Devices
	Media Control Devices
	Standard Game Port
-	Wdea Coders
	System devices
	Universal Serial Bus controllers

2.4 Remove Your Video Card Driver

While removing your video card driver, you need to follow the steps described below.

1. Find the system's Device Manager, ungroup Sound, video and game controllers, and remove all the drivers by the names of "ARGUS WDM Audio Capture" and "ARGUS WDM Video Capture"



- 2. Delete the following files in the specified paths.
 - Windows 98/Me: C:\WINDOWS\INF\OTHER\ DVR\ARGUS.inf
 - C:\WINDOWS\SYSTEM32\DRIVERS\argus.sys
 - Windows 2000:
 - *C:\WINNT\INF\oemX.inf
 - *C:\WINNT\INF\oemX.pnf
 - C:\WINNT\SYSTEM32\DRIVERS\argus.sys
 - Windows XP:
 - *C:\WINDOWS\INF\oemX.inf
 - *C:\WINDOWS\INF\oemX.pnf
 - C:\WINDOWS\SYSTEM32\DRIVERS\argus.sys

* For the files "oemX.inf" and "oemX.pnf," "X" stands for numbers. Open each of the oemX.inf and locate the [Manufacturer] section. If the value is DVR, then this is the file you need to delete. For oemX.pnf, delete the one that has the same number (X) as the oemX.inf you deleted. For example, if oemO.inf has DVR in the [Manufacturer] section, then you need to delete both oemO.inf and oemO.pnf.

3. Please reboot your computer to complete the remove.

Chapter 3 Software Installation

3.1 Installing AVerMedia EYES Pro/MP2016/MP3000/ MP5000 Software

After you successfully install the video card driver, you then are ready to install the EYES Pro/MP2016/MP3000/MP5000 application software. You can easily complete the installation of AVerMedia EYES Pro/MP2016/ MP3000/MP5000 by following the simple instructions below.



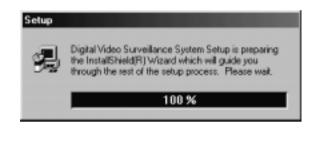
During the installation, you will be asked to key in a user name and a password. You must remember them because you will be prompted for entering the same user name and password later when entering the **AVerMedia** EYES Pro/MP2016/MP3000/MP5000 surveillance system.

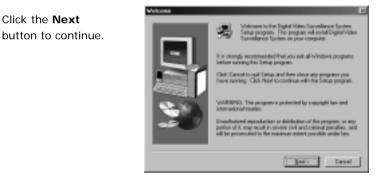
It's recommended that you exit all other Windows programs before you install AVerMedia EYES Pro/MP2016/MP3000/ MP5000 surveillance system.

- 1. Insert the AVerMedia EYES Pro/MP2016/MP3000/MP5000 CD into the CD-ROM drive and wait for it to auto-run.
- 2. Click the text "AVerMedia EYES Pro", "AVerMedia MP2016", "AVerMedia MP3000", or "AVerMedia MP5000" and choose the language version you would like to install.



3. The system will then start preparing to install the AVerMedia EYES Pro/MP2016/MP3000/MP5000 application software.





5. Read the License Agreement and click the Yes button if you accept it; otherwise click the No button to exit the setup program.

4. Click the Next



 Enter your Name, Company Name, and the Serial No. (printed on the CD cover) and click the Next button. The name you enter here will be used as the System Manager when operating the software.



7. Choose the components you need and then designate the destination folder for the software to be installed. Click the **Next** button to continue.



 Specify the folder name to store the AVerMedia EYES Pro/ MP2016/ MP3000/ MP5000 program or choose an existing folder from the list. Click the Next button.



AVerMedia User's Manual EYES Pro/MP2016/MP3000/MP5000

 Select the video format of the camera used in your country. If you don't know the correct format, contact your local camera supplier. Click the Next button.



 Set a password for the System Manager. You need to use this password when entering the EYES Pro /MP2016/MP3000/ MP5000 system. Click the Next button to continue. The system then starts to install the software.



11. Select the number of video channels you will use on this system and click the **Next** button.



12. After the installation finishes, you can choose to create a shortcut of EYES Pro/MP2016/ MP3000/MP5000 program and click the **Next** button.



Before you exit the setup program, you can choose to view the README file.
 After you click the Finish button, a text file will show up.



14. Choose whether you like to restart your computer now or later and click the **Finish** button to complete the installation.



3.2 Product Update

To obtain the latest software, go to <u>www.avers.com.tw</u> to download the updated software of AVerMedia EYES Pro/MP2016/MP3000/MP5000 system. After you successfully download the file, follow the procedures below to update your software.

- First you need to remove the older-version software from your computer. Go to Control Panel and double-click on Add/Remove Programs. Select "Uninstall Digital Video Surveillance System" and click the Add/Remove button. You will need to reboot the system afterwards.
- Update your new AVerMedia software. Refer to section 3.1 Software Installation. It is unnecessary to update a new driver manually because the system will execute the procedure automatically during installation.

If your MP3000 series video card driver is beyond version 3.5, notice that the innovation on hardware in V 3.5 has restrained you to update the entire services, which is described as follows:

Product	Present H/W	Update Solution H/W	Update Solution S/W
MP 3004	1 card	1 card	4 chs
MP 3008	2 cards	1 card	4 chs
	2 sets of	1 card	4 chs
MP 3016	1 card w/ 1 extended card	1 card w/ 1 extended card	8 chs



After finishing updating, select the desired channel numbers and disable the unselected channels for keeping the efficiency of the system while reinstalling video card driver.

3.3 Special Consideration

Defrag Your Hard Disk

Files on your hard disk will unavoidably become fragmented. Fragmentation occurs when the operating system must split files into parts and fit each part into different free segment of the hard disk to make full use of the hard disk space. If files on your hard disk become excessively fragmented, your system would have to work very hard to maintain all the necessary information about the files locations. This results in slow and bogged-down performance and it gets more and more serious as the time goes on. Therefore, it is recommended that you regularly run a defragment utility program on your hard disk such as Windows Disk Defragmenter especially before you start saving recorded videos to the hard disk.

Chapter 4 System Configuration and Operation

Before you start running the EYES Pro/MP2016/MP3000/ MP5000 system, please set your monitor resolution to 1024 x 768 and the color to 16-bit true color or above.

4.1 System Configuration

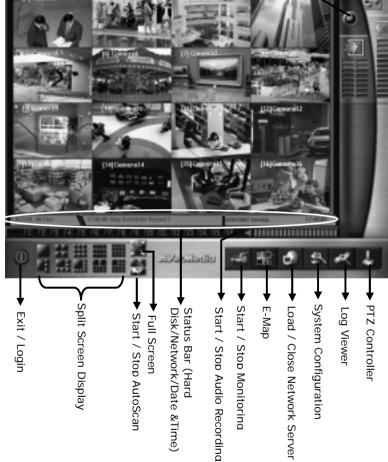
When you first start up the AVerMedia EYES Pro/MP2016/MP3000/ MP5000, the system will request you to enter user ID and password to login surveillance system. **Key in the user name and password you entered during the EYES Pro/MP2016/MP3000/MP5000 installation.**

Authorization Please enter y	our user ID and password.
User ID Password	1
	OK Cancel

Upon the success of authentication, you will see the following main screen of EYES Pro/MP2016/MP3000/MP5000 Digital Video Surveillance System.

EYES Pro/MP2016/MP3000/MP5000 Main Screen

Alarm & Relay Status Network Status



Click the **System Configuration** button to enter the configuration dialog. You need to first set up your surveillance system before you start using it.

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	Http://www.avec.com.tv

After entering the System Configuration page, you can set up the system, cameras, audio, monitoring, sensors, relays, alarms, networking, scheduler, backup, e-map, and user information.

🚏 System

Clicking on **System** brings you to the following dialog box for system information. Here you need to provide some basic information for the monitoring and recording operation.

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1. Assign Recording Disks

First you need to assign the recording disks. Click to browse for the folder to save the recorded videos and click the **Add** button. You can click the **Delete** button to remove any of the recording disks, as long as there is at least 1 disk left to save the recording data.

Minimum Space

Next you need to provide the minimum space for hard disk recycling. During hard disk recycling, the newly recorded files will overwrite the old ones. This way the system will not run out of hard disk space to save the recorded videos. The system will start hard disk recycling when the hard disk free space is less than a user-defined number. The user-defined number has to be greater than 450MB, the system defaults to 450MB.

2. Miscellaneous

E Beep Eno signal	
🗵 Acto <u>B</u> eboot at	01.00
🗟 Ask for password	d when login
Date Format	mn/ddiyy 💌
AnttoScan	Period 3 🚊 Sec

Beep if no signal:

Check this box to have the system start beeping whenever a video loss from a camera occurs.

Auto Reboot:

For better system performance and stability, it is recommended for you to check the Auto Reboot box and the system will reboot everyday at a user-defined hour that least interferes with your surveillance operation.

Ask for password when login:

Check this box to enable the password protection when users login the surveillance system.

Date Format:

Here you can choose to show the date information in the order of mm/dd/yy, yy/mm/dd, or dd/mm/yy.

AutoScan:

This function allows you to view each camera image in numerical sequence under 1-Cam Display mode. Check AutoScan to enable this function and define the scan interval from 1 to 60 seconds (defaults 3 seconds). When in this function is enabled, you need to

return to the main menu and click to start the AutoScan function. During AutoScan, you can click 1.2.3.16. Focus Camera to jump to any camera. To stop the AutoScan

function, click again.

3. Video

For Video Standard, you need to choose from NTSC and PAL according to the system you are using.

4. Display & Recording Rate

With this button you can set display and recording rate by camera. You will see the following dialog box when you click this button. There are 5 levels of display and recording rate. Drag the bar to adjust the display/ recording rate for each camera.

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Set Display and Recording Rate by Camera

In case **All** is checked, you will see that while you're adjusting the rate for one camera, the rate of other cameras will be adjusted at the same time. Cameras that are adjusted together use the same video chip on the video capture card.

5. 640 x 480 Resolution

The utility provides your particular demand on the better 640 x 480 resolution for the specific cameras. For EYES Pro/MP2016/MP3000, you can check the cameras to perform the better resolution by clicking this button. Note that those cameras are arranged to be sets according to the same video chipset on the video capture card. For MP5000, you can set all cameras randomly to perform 640 x 480 resolution. The arranged camera sets are listed as follows:

Select Caneras of 540x480 Resolution

Camera Sets					
1,2,3	,4				
1,2,3	,4	5,6,7	,8	1	
1,2,3	,4	5,6,7	,8		
9,10,	11,12	13,14	,15,16		
1,2,3	,4,5,6,	7,8,9,	10,11,		
12,13	8,14,15	5,16			
1,	2,	3,	4		
1,5	2,6	3,7	4,8		
1,5,9	,13	2,6,1	0,14		
3,7,11,15		4,8,12,16			
1	2	3	4		
1, 2,	3, 4,	5, 6,	7, 8		
1,9	2,10	3,11	4,12		
5 13	6 14	7 15	8 16		
	1,2,3 1,2,3 9,10, 1,2,3 12,13 1, 1,5 1,5,9 3,7,1 1 1, 2, 1,9	1,2,3,4 1,2,3,4 9,10,11,12 1,2,3,4,5,6, 12,13,14,15 1, 2, 1,5 2,6 1,5,9,13 3,7,11,15 1 2 1, 2, 3, 4, 1,9 2,10	1,2,3,4 5,6,7 1,2,3,4 5,6,7 9,10,11,12 13,14 1,2,3,4,5,6,7,8,9,7 12,13,14,15,16 1, 2, 1,5 2,6 3,7,11,15 4,8,1 1,2,3,4,5,6,7,8,9,7 12,13,14,15,16 1, 2, 1,5 2,6 1,5 2,6 3,7,11,15 4,8,1 1 2 1,2,3,4,5,6,7 3,7	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	

Select Letter			Bon	×
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E 0	17.14	E 15	E 11	
		×	Canad	

That too many cameras were selected to be 640 x 480 resolution will result in overloading for system. For the further information please refer to our website: <u>www.avers.com.tw</u>

6. UPS (Uninterruptible Power Supply)

It enhances the security for system to warn administrators and users if AC power fails and proceeds with system shutdown before the end of battery backup power is reached. The UPS device should be connected to your computer (refer to your UPS user's guide) before the presetting of this task.

- A. Check **Enable** to activate UPS meanwhile the **Vendor** as well as **Model** of your UPS will show up in the individual boxes if your UPS is completely connected to.
- B. Determine a limited value for capacity to shutdown your computer. The value is ranged between 10 and 90%. It is unavailable to be set lower than 10% or higher than 90%.



UPS application must meet Window NT or above. Windows 2000 or Windows XP are recommended.

8. Update

Whenever the above settings are modified, click to update.

10. Restore

Click to abort all the changes you made so far and restore your last settings.

11. Default

Click ______to change all values to their default settings.

🗔 Cameras

Double-click **Cameras** and choose the camera you want to configure.

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1. Camera ID

In the **No.** field, you can see the camera number you pick out from the left list.

2. Card No. / Port No.:

This section indicates the card number and the BNC connector number that this camera is connected to. It is configured by the system automatically and you cannot change otherwise.

3. Enable

Check **Enable** to enable this camera for monitoring. If a camera is not enabled, the image from this camera will show as Figure 1 (gray scale) on the screen. This camera's sign in the menu will change to .



Figure 1.

Figure 2.

Color image

VerMedic



If a camera input is not physically connected to a camera, you need to de-select Enable, or the system will not reach its best performance.

4. Camera

Display:

Check **Display** to display the image from this camera on the screen. If you check **Enable** without checking **Display**, the image from this camera will show as Figure 2 (color) on the screen. Although the image is not shown on the screen, this camera is still performing **Record When Motion Detected**, **Record When Start Monitoring**, or **Don't Record**, depending on which one you chose in the **Monitoring** section of the System Configuration.

Name:

In the Name field, you can set the name for the camera.

Comment:

This field allows you to add any remarks you have for this camera. Any comment left can serve as a reminder for system manager.

Image Properties:

You may set the following properties for the image of this camera. \bigcirc brightness ${\rm O}$ contrast ${\rm A}$ color ${\rm O}$ saturation

Settings for the image properties are configured for the designated card, which may also connect to other cameras. That means, the settings you make for this camera will apply to other cameras that connect to the same card.

The adjustment of image properties will result in inefficiency as the video format is set to be PAL for the unsupported hardware temporarily

5. PTZ Camera

PTZ Camera Setup

- A. Select a **Com Port** where PTZ camera connector connected and the **PTZ Model** you use (refer to your PTZ camera spec.) by the pull-down lists. And click **Set** to place your setting.
- B. To control PTZ camera with server's camera by entering **PTZ Camera ID** at the range of 2~225.

Preset Position Setup

- A. Choose a position number by the pull-down list to set the monitoring position with the right side direction interface. Meanwhile the display you adjust will be shown on the upside.
- B. Determine a **Position Name** for the position.
- C. During AutoPan, **Dwell** determines the time for the camera to stay (1~60 seconds) at one position before rotating to the next position.
- D. You can set the **Speed** (5~255 deg/s) with which the camera rotates from its current position to the next preset position.
- E. Click Set to involve into the setting
- 6. Update

Click this button to update the setting

7. Restore

Click this button to abort all the changes you made so far and restore your last settings.

8. Default

Click this button to change all values to their default settings.

🥒 Audio

Click A Audio to enter the audio page as below.

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	CADAGE MERCINA CALLOS

1. Enable

Check here to enable the automatic sound detection. The system will start recording upon detected volume greater than the sensitivity you set. Note that this function only works while the system is recording videos.

2. Detection Sensitivity

You can click to test the volume of your current environment as a reference when adjusting the sensitivity. The system defaults the sensitivity to 30%.

3. Properties

You can set the length of time for the system to continue recording the audio once activated. The system defaults to 5 seconds. The length of time you set determines the size of the .WAV file. (1 second long roughly takes up 8K of space.) The .WAV file format is PCM 8KHz, 16bit, mono. **To playback the audio files, you need**

to go to Log Viewer.

4. Update

Click this button to update the setting.

5. Restore

Click ______ to abort all the changes you made so far and restore your last settings.

6. Default

Click ________to change all values to their default settings.

Monitoring

In this section you can configure how the cameras perform monitoring/recording and the related properties. Double-click on **Monitoring** and choose the camera you want to configure.

2 System Configuration		
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1. Motion Detection

Sensitivity:

In this area, you can adjust the motion detection sensitivity from 0 to 100 (system default: 90). The higher the value is, the better the sensitivity the system can detect.

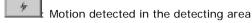
Record with Time Stamp:

You can also add time information on the recorded video by checking **Record with time stamp** and choose the color of the time display.

Beep upon detected motion:

By checking **Beep upon detected motion**, you can enable the alarm to start beeping once motion detected. You can do an

instant test it by clicking and the following two signs represent different situations.



No motion detected in the detecting area

2. Recording

You can choose the suitable recording mode among these three:

Record when start monitoring:

The system starts recording once the monitoring starts.

Record when motion detected:

The system starts recording only when motion is detected, and continues recording for 1~120 (user-defined) seconds after the motion stops. The user-defined length of time (default to 1 second) is set in the Stop recording after sec. section.)

Don't record:

The system doesn't record no matter what happens.

3. Quality

This section allows you to choose the compressed program and adjust the image quality from 0 to 100 (default 50). The higher the value is, the lower the compression ratio gets, and the larger disk space is required. You can also decide the recorded file size by changing the compression ratio. If you select Fast Recording with MJEPG format (lower compression ratio), the system record faster, and therefore, the file size is bigger. On the contrary, if you select High Compression Ratio with MPEG4, the recorded file size will be smaller for they are highly compressed.

4. Motion Detection Mask

Mask

Mask a specific area to leave the rest area for the motion detection.

- A. First check Mask in the Enable field to edit the mask area.
- B. Check Show Mask to make masked area visible.
- C. To add or cut any masked areas, simply click Add or Cut, and then draw the area you want to add to or cut from the masked area. To clear all masked areas, click Clear. And click Invert to invert the masked areas into unmasked ones and vise versa.
- D. Choose a mask color out of from red, green, and blue.

Shield

To enable **Shield** provides you to protect some private areas from the entire surveillance control into a black shield, ex: a fitting room in a department store.

A. First check **Shield** in the **Enable** field to edit the shield area.

B. Refer to Mask step C.

5. Edit

Click on either the radio button for mask or shield to specify the working area by Add/ Cut/ Invert/ Clear in Motion Detection Mask field.

6. Update

Click this button to update the setting.

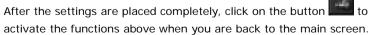
7. Restore

Click this button to abort all the changes you made so far and restore your last settings.

8. Default

Click this button to change all values to their default settings.

9. Start/ Stop Monitoring



🕀 Sensors

Double-click on **Example 2** Sensors to list the sensors already been configured. **Right-click the mouse on Example 2** Sensors to add a new sensor. Click any desired sensor to enter the setup screen of that sensor.

System Configuration	
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E Unit Information	

1. Sensor ID

In the **No.** field, you can see the sensor number. In the **Name** field, you can set the name for the sensor.

2. Content

Since each card can connect to one external I/O Box, and each I/O box supports 4 sensor inputs, you can easily determine the **Card No.** and **Input No.** as to where this sensor is connected. In the **Comment** field you can add any remarks you have for this sensor. Any comment left can serve as a reminder for the system manager.

3. Test

You can test the sensor immediately after you install it. Click

and if the test area turns red, it indicates the sensor is Closed/ON. If it turns green, it indicates the sensor is Open/Off.

4. Enable

Check Enable box to activate the previous setting.

5. Update

Click this button to update the setting.

6. Restore

Click **Restore** to abort all the changes you made so far and restore your last settings.

卧 Relays

Double-click on Relays to list the relays already been configured. **Right-click the mouse on Relays to add a new relay**. Click any desired relay to enter the setup screen of that relay.

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1. Relay ID

In the **No.** field, you can see the relay number. In the **Name** field, you can set the name for the relay.

2. Content

Since each card can connect to one External I/O Box, and each box supports 3 relay outputs, you can easily determine the **Card No.** and **Output No.** as to where this relay is connected.

In the **Comment** field you can add any remarks you have for this relay. Any comment you left can serve as a reminder for the system manager.

3. Test

You can test the relay immediately after you install it. Click

, and if the test area turns red, it indicates the relay is ON/HIGH and generates an output signal. If it turns green, it indicates the relay is OFF/LOW.

4. Enable

Check **Enable** box to activate the previous setting.

5. Update

Click this button to update the setting.

6. Restore

Click ______ to abort all the changes you made so far and restore your last settings.

After the sensors and relays are configured, you can go to **P Alarm** to create alarms that will alert you when specified events take place.

🕪 Alarms

Double-click on Alarm to list the alarm already been configured. You may right-click the mouse on Alarm to add a new alarm up to 64 alarms. Click any desired alarm to enter the setup screen of that alarm.

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1. Alarm ID

In the **No.** field, you can see the alarm number. Also, you can set up the alarm name in the **Name** field.

2. Conditions

To set the event condition for cameras, check <u>Motion</u> field of the desired cameras to make their detected motion as an event to trigger the alarm. And check <u>Video Loss</u> field of the desired cameras to make their weak signal or video loss as events to trigger the alarm.

53

For sensors, select <u>High</u> (Closed/ON) or <u>Low</u> (Open/OFF) to be the event condition. Note that for the alarm to be triggered, both event conditions for the camera and the sensor have to be met.

3. Action

Recording & Relay Output:

To set actions, check the **Recording** column of the desired camera to start recording, and check the **Enabled** column of the desired relay to generate outputs when both the event conditions for cameras and sensors are met.

Relay and Full Screen on Motion retrieve

After an input is triggered, the output of relay and full screen on motion will revert to normal status after the time you set.

Sound, Call out and Email will be activated

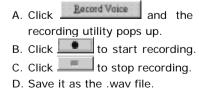
The output ways you designate after an alarm is generated offer you to decide the deferment once an alarm is triggered.

Full Screen on Motion:

During surveillance, you can have the system to instantly pop up the image (1-camera display mode) that has motion detected for a user-defined length of time.

Sound Alarm:

Check **Sound** to play a .WAV file when an alarm is triggered. You can assign the path of a specific .WAV file for the system play, or you can record a new .WAV file by clicking **Becord Value** To do so, follow the steps below:





Call Out:

If you have a voice modem installed, you can make the system to call out to landline/mobile phone or pager (maximum 5 sets in total) once an alarm is triggered. Follow the following instructions.

- A. Check Call Out to enable this function.
- B. Select a correct model for your voice modem from the dropdown menu of **Voice Modem Installed**.
- C. Click to bring up the dialog box below to set up the telephone information. Here you should follow the steps described below to set the landline/mobile phone or the pager number.

 B0622891611 	911	Poper Number Nemape Physe Phone Number <u>Mave.</u>	«	Recard Voic
---------------------------------	-----	---	---	-------------

- a. Select Pager or Phone.
- Key in the numbers for the landline/mobile phone or the pager, whichever you selected in step a. If you're setting up a pager info., you can compose a text message you wish to send to a pager by using numbers, *, and # in the Message field. If you're setting up a phone info., you can browse for a .WAV file by clicking wave... or create a new .WAV file by

clicking <u>Becord Voice</u> After you complete the pager or phone information, click <u>Add</u> to add this number to the table.

- c. Select **Dial next line if busy** or **Dial All**. In the former case, the system will dial the next number when the current one is busy. But if the call enters the voice mail of the mobile phone or gets picked up by an answering machine, the system will act as if the call-out is completed and won't dial the next line. Therefore, it is recommended for you to select the latter one, in which case the system will dial all numbers and send the warning message.
- d. The <u>Update</u> / <u>Delete</u> buttons allow you to update/delete a pager or a landline/mobile phone number. To update, you need to first select the target number, key in the updated information, and then click <u>Update</u>. To delete, simply select the target number and click <u>Delete</u>.

Email:

You can email alarm messages once an alarm is triggered. Follow the instructions below.

- A. Check **Email** to enable this function.
- B. Set the interval period and time to send the emergency e-mail.
- C. Click <u>Email Setting...</u> to bring up the dialog box below to set up the email information.

E-mail Setting		×
SMTP Server	ely.com	
From	ely@ely.com	
To	ivan@ivan.com	
Cc		
Subject	alarm message	Clear
Alarm Message	alarm emergency!!	
		OK
	×	Cancel

Provide information for each field.

- SMTP Server: The domain name of your mail server or IP address. (eg. avers.com.tw)
- From: The sender's email address.
- To: The receiver's email address. Use ";" (semicolon) to separate each email address.
- Cc: The email address to which you want to send a copy.
- Subject: The subject of this alarm message.
- Alarm Message: The content of this email message.

D.	You can click	Clear	to clea	ar all the i	nputs.	Click
	OK	to save	the er	nail settin	gs or	click
	Cancel	to exit the d			•	

4. Restore

Click ______ to abort all the changes you made so far and

restore your last settings.

ا 🗄 Networking

Click **L** Networking to enter the networking setup page.

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P	Sydah	r Great Care				
	Camenas	General F All				
	Audio	Transmitting Contents				
-	Mailoing	Server 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
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		Update Restore Default				
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1. General

Server IP:

In this filed, enter the IP address of the server for remote clients to access. Or you can choose from the drop-down menu where lists all the available IP for your computer.

Event Log:

This file, "history.log" keeps a record of all IP addresses of the

client's computer during a remote transmission. You can click ______ to change it's location.

Transmitting Cameras

Here you can select cameras allowed for remote monitoring.

2. Enable WebCam Server

Check here to enable WebCam Server for remote monitoring.

Port:

Set the port no. (default 80) for remote transmission.

Ask for password when remote clients login:

Check here if you need remote clients to provide passwords when they login the WebCam server.

Web Root:

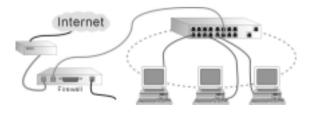
In this field, you need to browse for the path where the WebCam home page is stored. When the remote client login the WebCam server, it will link to the WebCam home page from this path.

The WebCam server doesn't work under servers with IIS (Internet Information Service) installed.

3. Enable Remote View server (Multicast server) via TCP/IP

If you want to transmit images for remote surveillance via TCP/IP, first check the checkbox to enable this function. Determine a port in **Port** box to connect client to a server with TCP port (default 9090). In addition, a firewall NAT function should be configured to enable the mutual transmission.

The following is the detailed illustration to configure the connection:



4. Dynamic DNS

In case a dynamic server is severed, please register a domain name with the IP address: <u>ddns.avers.com.tw</u> on line. Refer to **Appendix B** for the further information.

Domain Name & Password

Enter the domain name and password given in the process of registering a domain name or obtain them by asking network administrator.

5. Update

Whenever the above settings are modified, click ______ to update.

6. Restore

Click ______ to abort all the changes you made so far and restore your last settings.

7. Default

Click ________ to change all values to their default settings.

Scheduler

Click Scheduler to enter the setup page for scheduler. You can schedule for monitoring, recording, or enabling network server by date or by weekday. Depending on your needs, after you set all the schedules, you can only enable the ones you currently need and disable the rest, which might be used later.

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YD System	E Dada
Canerasi	Schedule Recording
🖉 Audo	17 ByOde 2003/0400 x 222
E Monitoring	
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NOT No	-TeA.
 tow triumates 	C Hertor G Read E 1 E 0 E 0 E 0
	C Engle Monal Server C Alema E 13 E 14 E 15 E 16
	Convert Add price Lucky record
	Tine Scale Cenera Commonk

1. Enable

Check this to enable a schedule. Note that you still need to click **update** after you enable a schedule. Enabled schedules to monitor/record/enable network server are shown in 2/2, whereas disabled schedules are shown in 2/2.

2. Schedule Recording

Schedde Recerding	2002/04/30[2]
19 By Date 42902 💌	2002/04/29[1]
C By Weekday	THU FRI SAT

You can choose to set the schedule by date or by weekday by selecting **By Date** or **By Weekday**.

By Date:

If you set the schedule by date, you can key in the date directly or choose from the drop-down menu and click \rightarrow to add it to the

column. You can set multiple dates (max 60 days) for a single task. To take off a date from the column, click on the date you wish to delete and press [Delete] or [Backspace] on the keyboard.

By Weekday:

If you set the schedule by weekday, directly choose any day in a week. Multiple days for a single task are also acceptable.

You can only set future dates to for a schedule. Dates in the past are not acceptable.

3. Time

Cheed	8.00 AM	*
Start	and being	
End	5:00 PM	*

You can key in the start and ending time for the task in the following order: hour, minute, and AM/PM. Or use the up/down button to adjust the time. **The start time must be earlier than the ending time.** That means you can't span the time to the next day. To schedule a task that covers more than 1 day, you need to separate it into 2 or more schedules for the same task.

4. Task

Técsik	
Monitor	C Record
C Enable Network Server	C Alem

Here you can select the task you're scheduling for.

Monitor



If you select **Monitor**, the system will activate this button **Monitor** on the main menu when the scheduled time is due. The system will act according to the recording mode set in the **Monitoring** section. Meanwhile, the system will also monitor the event conditions you set in the **Marm** section for the cameras and sensors and trigger the alarm accordingly.

Record

If you select **Record** as the task, the system will have the chosen cameras to start recording at the scheduled time. The task you set here enjoys higher priority than the recording mode you set for each camera. That means, even if you have set the camera to **Record when motion detected** or **Don't record** in the **Monitoring** section, the camera will still start recording at the scheduled time.

Enable Network Server

When this is selected to be the task, the system will load network



based on your settings in the 🖅 Networking

section and start the remote monitoring for transmitting cameras.

Alarm

If Alarm box is checked, the Alarm will execute according to the **Alarm** section you plan as long as the **Time** is due. To exercise the prior privilege of **Scheduler**, the **Alarm** will perform by the scheduled time even though it is not enabled in **Alarm** section of System Configuration.

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If the time of the schedule you set for a task overlaps with the time of an existing schedule for the same task, the system will give you a warning message below. In short, the time of 2 schedules for the same task cannot overlap.

//erMedia
Part or all of the time selected is already scheduled for this bask. Please reset!
OK

5. Cameras

When you select **Record** or **Alarm** to be the task, you need to select the recording cameras here.

6. Comment

Put your remarks here as a reminder of any schedule.

7. Add

Click <u>Add</u> to add a new schedule to the table after all the necessary information is filled in this page.

8. Delete

You can select any task you want to remove from the table and click

9. Update

To update a schedule, select it from the table, revise the information, and then click Update to verify.

10. Restore

Click <u>Mestore</u> to abort all the changes made so far for a schedule and restore its last settings.

11. Table

This table lists all the schedules you have set. You can arrange the order of the schedules by clicking different buttons.

Click to view all the scheduled tasks.

AM 06:13:00"PM 06:20:00	Time Scale	Camera	Comment
AM 06:13:00"PM 06:20:00 AM 06:13:00"PM 06:20:00 AM 06:13:00"AM 06:20:00 AM 06:13:00"AM 06:20:00 AM 06:13:00"PM 06:20:00	🔁 AM 05:00:00"AM 05:10:00		
AM 05:13:00"PM 05:20:00 AM 05:13:00"AM 05:20:00 AM 05:13:00"PM 05:20:00	% AM 06:13:00"PM 06:20:00	1.2.	
AM 06:13:00"AM 06:20:00 1,2,5,	The second secon		
AM 06:13:00"PM 06:20:00	🔁 AM 06:13:00"PM 06:20:00		
	AM 06:13:00"AM 06:20:00	1,2,5,	
5 AM 07:00:00TPM 06:10:00	PAM 06:13:00"PM 06:20:00		
	To AM 07:00:00 PM 06:10:00		

Click to view all schedules for the task Monitor.

Time Scale	91238967188018088871	8 2 2 2 2 2 2
Sandey	1010/0110	2754-
Monday		
Tuesday	10.00-24.00	- 125m-
Wednesdky		
Thursday		
Priday	1011-2010	27%-
Sekardey		
20 KLANSKOW TOUL		

Click	1	R 3	1.3	R 4	8.1		2.2		調査	to
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view each camera's schedules for the task Record.

Time Scale	8 1 2 3 4 5 6 7 6 5 0 U U D 8 5 N 0 8 5 8 2 2 22 23 24
Sunday	TERROTOR
Monday	
Taesday	1201-2130
Wednesday	
Thursday	
Prideg	TE38-21-28
Saturdey	
200 LOUARSTTN/	TIMOTIM

Click to view all schedules for the task Enable Network Server.

Time Scale	8 1 2 3 4 5 6 7 5 5 0 11 U D 8 5 8 0 8 0 8 8 20 2 23 23 24
Sunday	
Monday	
Tanoday	4530-5530
Wednesday	
Thursday	
Friday	¥E30-1538
Saturdey	
2081/08/19/Thui	TENET

Backup

Double-click on Backup to view two backup methods:

Manual Backup and Schedule Backup. Click either to enter the setup page for each backup method.

Manual Backup

Click I to enter the setup page for manual backup. 🖉 Nystein Canliguration To System per stan Device 🖼 Carena 🖉 Auto F. Heat C Carv COALE ¥ ... Location **BB** Hankoing C Debte Al, Davit make capes (7. Hard Disk or TDP di terara P Ideo diam. 14 ibe Hans Date: 2003/03/04 (是 Networks) 😟 Scheduler Tana PT 14.00 🗿 techni ta -E s Date 2003/03/0A shared in Reaches Π. FT 11 Ph 14:00 Tang KE MANTER I 1. Der Monator Statution Selected 74 Statutor Total File See Seekup Now

1. Operation

There are three ways to backup your files:

Operation		
@ blee	Location	
C Cay		
C Déte	L'Initrakeogies	

Move:

Simply	move	files	from
Jinpiy	move	IIIC3	nom

their original folders to the destination folders you assigned in the **Location** field.

Copy:

Copy files to the destination you assigned in the **Location** field.

Delete all. Don't make copies .:

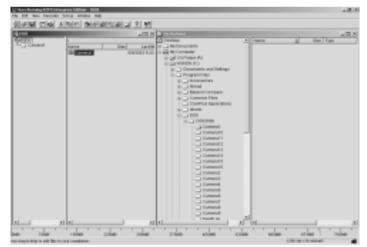
Simply delete all the files and leave no copies.

2. Device

Select your backup device (CD-R or Hard Disk/ZIP) here. If you choose CD-R, you need to specify the size of the CD-R, which will limit the size of each recording folders. After finishing the backup, run a

Device		
C 10-1		13
C Bard Did	= 21P	

CD-R burning program, such as Nero Burning, to burn the folders on CDs.



3. From/To

Here you need to set the start and ending date/time.

4. Cameras

Select the cameras whose files you want to backup. Check **Audio** to backup the recorded sound files.

5. Statistic

Click ______ to calculate the number of the selected files and their total size.

6. Backup



Schedule Backup

Click Click

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Setter	F Delv
D Course	Shekki Selve
B take	P (6/06) 200(0)* * 31
Contractory (
All Service	1" In Workshop
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de Auro	Londin
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Photo Badrup	Setter Proo 🔆 E.M.
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Link and Dis	M PT + F>F>F>F>F>
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 Unitation 	1 Julie Lade
	Emeret an Deter Lpoker Preser
	Sat the sole Carera Lonvert

1. Enable

Check this to enable a schedule for a backup. You still need to click Update after you check to enable a schedule.

2. Schedule Backup

Siteble Booku Siteble Booku Siteble Booku Siteble Booku	
C By Nedday 2007 (2008) 1000 (1000) 1000 (2001) 1000	

You can set the schedule backup by date or by weekday by selecting **By Date** or **By Weekday**.

By Date:

If you set the schedule backup by date, you can key in the date directly or choose from the drop-down menu and click \longrightarrow to

add it to the column. You can set multiple dates (max 60 days) for a backup schedule. To take off a date from the column, click on the date you wish to delete and press [Delete] or [Backspace] on the keyboard.

By Weekday:

If you set the schedule backup by weekday, directly choose any day in a week. Multiple days for a backup schedule are also acceptable.

3. Location

You need to specify a destination here to move the backup files if you check **Move To.** If you check **Delete all. Don't make copies.**, the system will delete all the files and leave no copies.

4. Start Time

Set the start time of the backup schedule.

5. Files between the time

Start & End:

The system will look for files of the selected cameras between the **Start** and **End** time you set here. Adjust the time by hour/minute and AM/PM with the up/down button. **Note that the start time cannot be later than the ending time.** That

11. Restore

means you can't span the time to the next day. To backup files that cover more than 1 day, you need to separate the files into 2 or more backup schedules.

Days before scheduled dates:

You can also backup files X days (user-defined) before the scheduled dates you put in the **Schedule Backup** section. Example:

If you schedule for 2003/05/03 and 2003/05/06, and you enter "2" in the number of days before scheduled dates field, then the system will backup on 2003/05/01 and 2003/05/04. So if you want the system to perform backup on the exact dates you scheduled, simply input "0" as the number of days before scheduled dates.

6. Camera

Select the cameras whose files you want to backup. Check **Audio** to backup the sound files from the selected cameras.

7. Comment

Put your remarks here to serve as a reminder of a schedule.

8. Add

After all the necessary information is filled in this page, click Add to add a new schedule for a certain task to the table. All the schedules you have set will show up in the following table.

9. Delete

Select the schedule you want to remove from the table and click <u>Delete</u> to delete.

10. Update

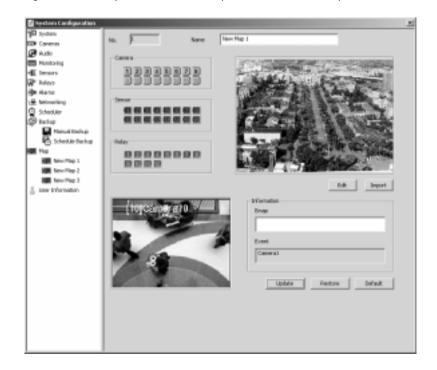
Select the schedule you want to update, revise the information, and then click Update to verify the update. Click Restore to abort all the changes made so far for a

schedule and restore its last settings.

E-Map

Here provides a completely configured map where all cameras, sensors, and relays are set.

Double-click on **E-Map** to list the e-maps already been configured. **Right-click the mouse on E-Map to add a new e-map.** Click any desired e-maps to enter the setup screen of that e-map.



1. First define the name of e-map.

2. Configure e-map

Import

If an image of map (bmp./jpg. formats are supported) has existed, click **Import** button to input the image which will be shown on the right side screen.

Edit

If you don't have an image of map in hand or need to modify the image, click **Edit** button to bring out the bmp. or jpg. programs to create an one or revise it.

3. Arrange Cameras, Sensors, and Relays

To add a new event, drag the button of Camera, Sensor, or Relay in the left side field and drop in the desired position of the map. The buttons not be set up will be disabled. To delete, drag and drop it in any positions out of the map. Whichever camera you click on, the monitoring status of which will be displayed in the left bottom field.

4. Information

Put in some information for each event to be reference during operation. Each edit box is limited in 32 bytes.

- 5. Click Update button to save your current setup.
- 6. Click **Restore** button to recover the previous setup.
- 7. Click **Default** button to change the setup to default settings.

Users Information

Click $\stackrel{1}{\textcircled{=}}$ to enter the setup page for user information.

System Canliguration		<u>x</u>
D Syden	line in the second seco	
Conenes		unnet
A.do	1 1 N	amodo
Mailoing		
E Sersors		
P Adays P Hana		
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	Fastword	
	Certim Resource	v
	F -	
	Renote Voble Camerac	
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	F) FD FD FD FD FD	P s P s
	F Ada	
	2	

1. Add New Users

To add a new user, first fill the User ID, Full Name, Comment, Password, Confirm Password, and Authorization Level (*System Manager, Administrator, Operator* and *User*) fields. Next select the cameras that can be remotely viewed by this user and click

2. Remote Visible Camera section

You need to select which cameras and whether the audio files are accessible remotely for the user you are going to add. You can check **All Cameras** to select all, including the audio.

3. Delete

To delete a user, select that user and click **Delete**.

4. Update

You can update a user's information by selecting that user, key in the latest information, and click **Update**.

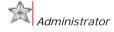
5. Restore

During the modification of a user's information, you can click **Restore** to abort all the changes made so far and restore the last settings.

6. Authorization Level

The EYES Pro/MP2016/MP3000/MP5000 surveillance system uses the following 4 authorization levels to classify users through password control.





Dperator

R Use

You need to enter your ID and password to identify your authorization level when you login/logout, stop/start monitoring, or load/stop network server. The table below illustrates the privilege of users from different levels when accessing each function.

4-Level User Control Function / Setup	System Manager	🚖 Admin.	Øper.	User
Start / Stop Monitoring	V	V	V	
<	V	V		

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Load / Stop Network Server	V	V	V	
	N	N		
System Configuration	V	V		
🚰 System	V	V		
🖬 Cameras	V	V		
Audio	V	V		
🔯 Monitoring	V	v		
ඟ Sensor	V	V		
译 Relays	V	V		
🕪 Alarms	V	V		
🖵 Networking	V	v		
Scheduler	V	V		
Sackup	V	V		
Е-Мар	V	V	V	V
User Information	V			
Log Viewer	V	V		
PTZ Controller	V	V	V	
1-Camera Display	V	V	V	V
2-Camera Display	V	V	V	V
4-Camera Display	V	V	V	V

	AVerMedia	User's Manual
EYES	Pro/MP201	6/MP3000/MP5000

4.2 System Operation

This section describes how to operate EYES Pro/MP2016/MP3000/ MP5000 surveillance system.

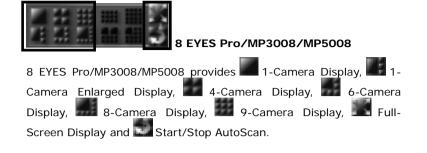


Product Models



9-Camera Display	V	V	V	V
12-Camera Display	V	V	V	V
16-Camera Display	V	V	V	V
1-Camera Enlarged Display	V	V	V	V
6-Camera Display	V	V	V	V
8-Camera Display	V	V	V	V
10-Camera Display	V	V	V	V
13-Camera Display	V	V	V	V
Full Screen Display	V	V	V	V
Start / Stop AutoScan	V	V	V	V
1. 2. 3. 16.	V	V	V	V
Focus Camera				

The *System Manager* is allowed to operate all functions and to configure all settings for the system. The *Administrator* possesses all the rights as the *System Manager* except to set the **User Information** section of System Configuration. *Operator* has no rights to enter System Configuration. The *User* can only view the monitoring screen.





16 EYES Pro/MP2016/MP3016/MP5016

16 EYES Pro/MP2016/MP3016/MP5016 provides 1-Camera Display, 1-Camera Enlarged Display, 4-Camera Display, 6-Camera Display, 8-Camera Display, 9-Camera Display, 10-Camera Display, 12-Camera Display, 13-Camera Display, 16-Camera Display, E Full-Screen Display and Start/Stop AutoScan.

Display Modes

Each display mode is illustrated in the grids below. Numbers in the grids represent the camera number.



Click this button to view image from a single camera. If you have more than one camera installed, you can click any number 2. 3. 1.

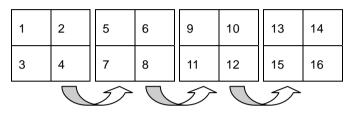
. 16. (Focus Camera) to switch to a specific

camera.



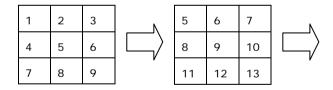
4-Camera Display

Click this button to split the screen into a 4-camera display. The screen will first display cameras 1~4. Click it again changes the display to cameras 5~8. Further clicking will change the display to cameras 9~12, 13~16, 1~4, and so on. See the following sequence.



9-Camera Display

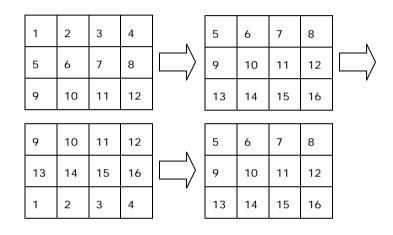
Click this button to split the screen into a 9-camera display. The screen will first display the camera 1~9. Click it again changes the display to camera 5~13. Further clicking will change the display to cameras 9~1, 13~5, 1~9, and so on. See the following sequence.



9	10	11	Ν	13	14	15
12	13	14	\Box	16	1	2
15	16	1	ŕ	3	4	5

12-Camera Display

Click this button to split the screen into a 12-camera display. The screen will first display the camera $1 \sim 12$. Click it again changes the display to camera $5 \sim 16$. Further clicking will change the display to cameras $9 \sim 4$, $13 \sim 8$, $1 \sim 12$, and so on. See the following sequence.



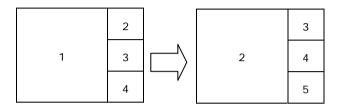
16-Camera Display

Click this button to split the screen into a 16-camera display.

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16

1-Camera Enlarged Display

Click this button to split the screen into a 1-camera enlarged display. Further clicking will change the enlarged image to the next camera.





6/8/10/13-Camera Display

Click this button to split the screen into a 6/8/10/13-camera display. Further clicking will change the enlarged image to the next camera.



Click this button to switch to full screen from all display modes.



Start / Stop AutoScan

AutoScan allows you to view each camera image in numerical sequence under 1-Cam Display mode. To enable this function, you need to go to the **System** section of System Configuration to check AutoScan and define the scan interval. After this function is enabled, return to the main menu and click this button to start/stop the AutoScan function. During AutoScan, you can click **1.2.3.16.** Focus Camera to jump to any camera.

1. 2. 3. 16. Focus Camera

The number on each button represents the camera number. These buttons show the status (enabled / disabled) of each camera. Under all display modes, when you click any of the camera number from the focus camera buttons, that particular camera will be switched to the first camera in display.



Start / Stop Monitoring

Click to start/stop monitoring. If the system is recording videos from a camera, a red triangle will appear in the upper left corner of the image frame. If you set this camera image to be recorded upon detected motion, a green triangle will show up together with the red

one when you click to start monitoring.

While monitoring, the system simultaneously monitors the cameras and sensors for the conditions you set in the **Alarms** section of System Configuration. Once both conditions for cameras and sensors are met, the corresponding alarm will be triggered.

Start / Stop Audio Recording

Click this button to start/stop recording audio. Here it shows the volume of the current environment. According to the settings in the Audio section of System Configuration, once the detected volume is greater than the sensitivity, the system will start to record the sound for a user-defined length of time. It will then save the .WAV file to the path you specified. Note that the auto sound detection only works while the system is recording images from the camera.



After the configuring in the **E-Map** section of System Configuration, click this button to view the e-maps.



- 1. Chose a map to view by clicking the map button
- Check out Cameras, Sensors, Relays on the map Focus on the desired event by clicking on the event button on the map.

3. Monitoring Cameras, Sensors, and Relays

If any event is focused, the relative information will present in the information field; otherwise, you can monitor the status of the camera in the right upper window. The different colors of the icons on the map window will turn to different flashing colors accounting for as follows:

Icon	Color	Status	Icon	Color	Status
E Camera	Yellow	Normal	Sensor	Yellow	Normal
E Camera	Blue	Video Loss	Sensor	Red	Activated
E Camera	Green	Motion Detection	Relay	Yellow	Normal
			nelay	Red	Activated

4. Click Exit to leave for main menu.



Load / Close Network Server

Click this button to load/close the network server, which allows for remote surveillance (Web Cam/RemoteManager). You will need to provide a password to identify your authorization level before the system actually loads/closes the network server. To configure the network settings, go to the 🖽 Networking section of System Configuration.



System Configuration

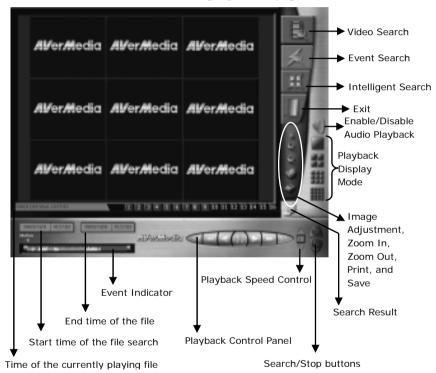
Refer to section 4.1 - System Configuration.



Log Viewer

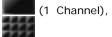
Log viewer allows you to playback log files from single channel as well as from 4/9/16 channels simultaneously. All the functions here will be introduced in operational order.

Click this button to enter the following log viewer page.



1. Select Display Mode

When you enter this page, first select the display mode by clicking



(4 Channels), (9 Channels), and

(16 Channels). You can also click these buttons to switch display mode during playback. To switch to a specific camera, click

1 2 3 16 to play videos of that camera.

2. Audio Playback

If you also want to play audio files, click to enable audio playback.

3. Select Files to Play

Next you need to choose files that you want to playback.



A. Select Time

2003/4/15 10:27:03

Click **Click** to select the date & time for the start time (on the left) and end time (on the right) respectively. The system will instantly show video data that has motion (default event) detected during the specified time frame in the event indicator below.

B. Play

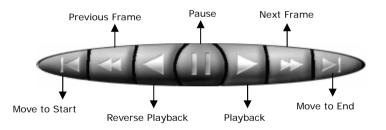
Click the **Playback** button to play files from start to end. You can also manually drag the slide bar in the directly to

the frame you want to play and click the **Playback** button. The lines in the event indicator represent time points where the specified event has taken place.



4. Playback Control

Once you start to playback videos, you can use the following function buttons during playback.



5. Playback Speed Control

You can click the up and down buttons from to adjust the playback speed. You can choose from 8, 4, 2, 1, 1/2, 1/4, and 1/8 times of the normal speed.

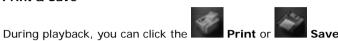
6. Image Quality

Click to adjust the image quality. You can adjust the brightness, contrast, color and saturation.

7. Zoom



8. Print & Save



buttons to print or save the current image.

Note that every image you save with the format of bmp. provides the functions of anti-counterfeit and anti-destruction. You can access Image Verify from Programs to make verification for the saved images.

Video Search

Searches the recorded files shown in tree diagram by year/ month/ date/ hour/ minute/ second consequence.

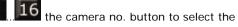
To enable this function, complete the following tasks:

A. Click **Video Search** and the **Video Table** searching list will pop up such as the following window:



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B. Click 112



- camera no. which is switchable during searching.
- C. Select the required recorded file from the **Video Table** list and click **Close** to hide the window.
- D. Once the Video Table hides, the initial and end time and status of the chosen file will be shown on the left bottom of the window where the start and end time of the files and event indicator locate.
- E. Click Playback button to display the recorded file. During playing, the indicator in event indicator will move with the display going and show the playing time in the field of the start time of the file.
- F. Click **Search Result** to pop up the previous **Video Table** searching list and take the steps above to review the recorded file.
 - Note that the searched peaks in Event indicator field in this section denote the time points of starting recording instead of the file positions. Therefore, a peak (not everyone) is likely to be displayed by clicking on a showed peak directly in Event indicator field.



Event Search

Searches the recorded files by the alarm condition and action within a specified period of time.

To make the function workable, complete the following steps:

A. Click **Event Search** and the playback control panel will turn into the condition search panel as follows:



- B. Choose the camera display mode (1, 4, 9, 16 ch) from playback display mode.
- C. Set up the initial and end time for searching in the time fields on the left bottom of the window.
- D. Choose the search condition as the specified condition to search the file from the condition search panel; Motion detections, video loss, sensor inputs, relay outputs, audio, system call out, alarm recording.
- E. Click **Search Result** to start searching and the coincident recorded files will be shown on the pop-up **Event Table** searching list.
- F. Click Stop Search to stop searching if necessary.
- G. Select the desired recorded files and click **OK** to hide **Event Table**. Meanwhile, the status of the files will be seen on event indicator and the playback control panel pops up to replace the condition search panel.

H. Click **Playback** button on the playback control panel, or, otherwise move the indicator on event indicator directly to display the files. During playing, the indicator will move with the display going and show the displaying time of the file in the field of the start time of the file.

I. Click **Search Result** to pop up the previous **Event Table** searching list and take the steps above to review the recorded file.

Note that the searched purplish red peaks in Event indicator field denote the recorded files that can be displayed on clicking them. However, the other searched peaks with other colors indicate the generations by the selected events that can't be displayed on clicking them.

Motion	Comments of the
T	L.C.S.
"At land. Added that has not free extended that a desired of	

Intelligent Search

Searches the recorded files by **Mask Area** and **Search Interval** with a specified period of time.

To enable this function, complete the steps below:

A. Click **Intelligent Search** and the playback control panel will be replaced by the search condition setting panel such as the following window:



B. Click

1 2 ... 16 the camera no. button to select the camera

no. which is switchable during searching.

- C. Set up the initial and end time for searching in the time fields.
- D. Determine a time value for Search Interval.
- E. Drag out a mask area with Mask Area and color box devices for the specified detecting area.
- F. Click Search Result to start searching and the coincidently recorded files will show the searching list on pop-up Intelligent Table.
- G. Select the desired file and click OK to hide Intelligent Table. Meanwhile, the status of the file will be seen on Event indicator and the playback panel pops up to replace the search condition setting panel.

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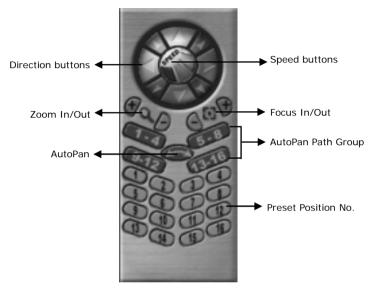
- H. Click **Playback** on the playback control panel, or, otherwise move the indicator in event indicator directly to display the file. During playing, the indicator will move with the display going and show the displaying time of the file in the field of the start time of the file.
- I. Click Search Result to pop up the previous Intelligent Table searching list and take the steps above to review the recorded file.

9. Exit Exit button to exit log viewer. Click the



PTZ Controller

When you click this button, the PTZ control interface will pop up and allows you to control your PTZ cameras. Click this button again to hide this interface.



1. PTZ Control



Direction & Speed

You may click the buttons on the outer circle to adjust the camera's direction during surveillance. The inner circle contains buttons for 4 levels of PTZ rotating speed. Click on them to change the speed.



Press the + and - buttons any time during surveillance to increase/decrease the focal length to get a clearer image.



Press the + and - buttons any time during surveillance to zoom in/out the object.



Preset Position No.

Anytime during the surveillance you can turn the camera to any desired position by directly clicking on buttons 1~16.



These buttons allow you to select the path of the AutoPan. For example, if you click and then click the AutoPan button, the AutoPan will do a scan from preset position $5 \rightarrow 6, 6 \rightarrow 7, 7 \rightarrow 8, 8 \rightarrow 5, 5 \rightarrow 6$ until you click the 🏴 aqain.



AutoPan

You need to first choose the group of the AutoPan paths, and then click this button to run the AutoPan. If you don't choose a path before you click the AutoPan button, the following warning will show up.

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The PTZ camera will run AutoPan based on your preset position settings. For example, if **1** and 2 are 3 seconds/30°per second and 6 seconds/90°per second.

Therefore, once you click the **AutoPan** button, the camera first turns at a speed of 30°/sec from its current position to position 1 and stays for 3 seconds, then from position 1 to 2 at a speed of 90°/sec and stays for 6 seconds. The camera continues to go around in such a fashion $(2\rightarrow3, 3\rightarrow4, 4\rightarrow1, 1\rightarrow2,)$

PTZ cameras of different makes can have different ways to run the AutoPan function and might differ from the above. Refer to the respective user's manual of the PTZ camera.

2. Exit PTZ Controller

Simply click to exit from PTZ controller interface.

Status Monitoring

Alarm / Relay /Sensor Status

On the right side of the main surveillance window is a panel that shows alarm, relay and sensor status. Installed sensors are shown in bright color while not installed ones remain dark. Once a sensor is activated, the color will turn yellow. For relays, installed ones are shown in bright color and activated ones turn yellow color.



When an alarm is triggered, the will turn red color. Doubleclicking on this button will bring up the following dialog box.

Alarm Status Mo	onitoring		×
No	Camera Nam 🔺	No	Sensor
• 1	Front Door	• 1	motion
• 2	Back Door	• 2	heat
• 3	Rear Windo	• 3	smoke
• 4	East Wing		
• 5	Gate 🔤		
2002/04/25 15:02 2002/04/25 15:03	:01Alarm [Alarm1] ha :01Alarm [Alarm3] ha :10Alarm [Alarm1] ha 10Alarm [Alarm3] ha	is been triggered! is been triggered!	
<u>R</u> eset	<u>S</u> ave		

The red dot next to the camera/sensor number indicates that the event condition for this particular camera/sensor has been met. The green dot indicates no event occurs. And the blue dots means the video signal is too weak or the video cable has been disconnected (video loss.) The list below lists all events in time order.

You may click the **Reset** button to clear the triggered alarms including camera recording, siren or other relay outputs. However, this action requires a password to confirm your authorization level. Click the Save button to save all alarm records. Click the Close button to close the dialog box.

3.677GB. 62.8hrs

Hard Disk Status

This area shows the remaining hard disk space and time (in hours) for video recording. When you double-click on this area, a dialog box that lists all recording-related events and disk space will pop up.

Recording Statue Monitoring EventList	Disk Space	×
	Disk S	Bytes
	6	3.496G
1 1		
3.46669.59.2Ws	-	
3.46608.00.2WS		
Save Becycle.		Çancel

You can click the **Save** button to save the events. Or click the **Recycle** button for the system to check if the hard disk needs to start recycling. Click the Cancel button to exit.

18:00:58 RemoteManager server closed. Network Status

This area presents you the current network status. You can also click in the upper-right corner of the main surveillance window to get a full list of network related events.

Network Status Monitoring
Sever: Remeteblascer
Subs:
Clevt IP:
< 2/ 429 IV.27 ID> RenuteManager server loaded.
< 2/ 4029 IPC/0716> Web/Carn server closed. < 2/ 4029 IPC/0716> Remeteldanager server closed.
Gear Save List Digse
Note that will flash in maroon color during data transmission.
04/15/02 [Monday] 18:01:38 Date (Time
04/15/02 [Mondav] 18:01:38 Date / Time
Here shows the date and time
Here shows the date and time.
A
Exit / Re-login EYES Pro/MP2016/MP3000/MP5000
-
When you want to suit or as login the system slight the system
5 5 5
logout screen below:
Here shows the date and time.
•
(A)
Exit / Re-login EYES Pro/MP2016/MP3000/MP5000
-
When you want to exit or re-login the system, click W to enter
logout screen below:

the

	BNS T	40
Canest Tree ID	deno	Q
Igt	Dup monitoring and out the po-	
Login	Legis comother user	
Quadel	On back to the main screens	
Minimize	Minimize the main crown	
Raming on Microsoft V	Readown 95 413	
This product is licensed to		
Unastherized	1.147	



Click to login the EYES Pro/MP2016/MP3000/MP5000 surveillance system as another user.

Click ______ to cancel the logout and go back to the surveillance window.

Click Minimize

to minimize the surveillance window.

Chapter 5 Using the WebCam

You can monitor images from the AVerMedia EYES Pro/MP2016/ MP3000/MP5000 server using Internet Explorer browser. The AVerMedia EYES Pro/MP2016/MP3000/MP5000 system has built in HTTP protocol and web server services.



Note that WebCam function must be running in Internet Explorer with version 5.5 or above.

5.1 Enable WebCam

Before you start monitoring from the remote browser, verify that the AVerMedia EYES Pro/MP2016/MP3000/MP5000 server has finished the following settings.

1. IE setting

Access **Internet Options** setting from **Control Panel** as the following dialog.

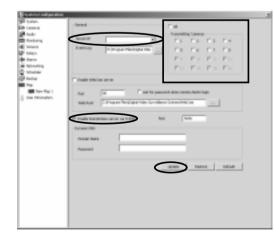


- a. Select **Security** page to configure **Internet** and **Local internet** sectors respectively.
- b. Click Custom Level button to pup up the following dialog. Check Enable or Prompt radio button both in Download signed ActiveX controls and Download unsigned ActiveX controls.

with Settings 2 2
ettings:
Active: controls and plug-ins
Dounked speed Adares: cantook
O Inste
O trable
O 20000
Downbad unsigned Activel: controls
O tiskle
O troble
Prompt
3 Initialize and script Active/Controls not marked as rafe
@ bubh
O tushe
O Prompt
A A A A A A A A A A A A A A A A A A A
Reset outforn settings
Benet to: Medica P Root
Due to Law
OK Cancel

2. Enable Web Cam (see 🖵 Networking)

- Verify IP address.
- Select cameras to perform remote transmission.
- Check Enable WebCam server.
- Click the **Update** button and exit the dialog box.



3. Load Network Server

Click at the bottom of the main menu to enable the networking function.

5.2 Use the WebCam

You can browse the home page of WebCam with Microsoft IE to access desired server by key in the IP or domain name of which.



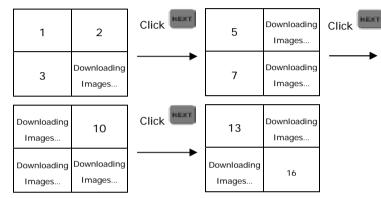
When you enter the home page, you can see the system defaults to 1-Camera display. You can click these buttons to change different numbers of split display:



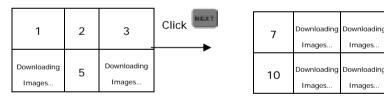
When the remote transmitting cameras are more than the split display

number, you can click **to** switch the screen to display the following cameras. For example, the server has assigned camera 1, 2, 3, 5, 7, 10, 13, and 16, in total 8 cameras for remote transmission.

If you select 4-Camera Display,



If you select 6-Camera Display,





You can also change the display sequence by assigning different cameras to different channels. Click **SET** to select a channel from the drop down menu Channel in Server Channel No. corresponding to camera no. If the selected cameras are not remote viewable, then the image on the screen will not change.

Chapter 6 RemoteManager

6.1 Accessing RemoteManager

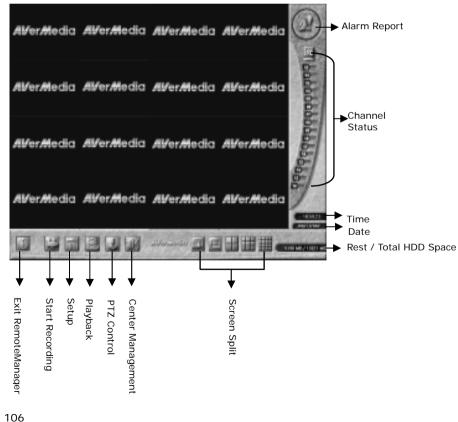
You need to install the remote surveillance program RemoteManager from the CD-ROM (See Chapter 3 - Software Installation.)



Note that the operation system of Microsoft[®] Windows 2000 and XP are recommended for RemoteManager program.

The RemoteManager program allows you to manage the server from a workstation almost as if you were working from the server console. This will allow you to be able to configure the server from a remote location.





Once you first start the program by clicking the shortcut of Remote Manager on your desktop, a Login dialog right side will prompt you to enter the user ID and password to access to the program. Note that only "root" is the acceptable user ID for the initial access. And a **User Management** window for permitting the

ID	raat	1
Password		

beginning into the system will be seen. To set the setting of the permission, refer to the **6.3.1 Center Management** for the detailed description.



Alarm Report

The image will turn into red and be flashing once an alarm is triggered. An alarm message with the detailed alarm status will be seen after you click on it. It will help you control the situation of surveillance.



Channel Status

An area where the status of all the channels will be shown as the following description and is with a tip of channel's, server's, camera's names while your cursor points the button:



Dark Gray All Disabled Flashing Pale Gray Video loss

> Normal and the image is displayed on the screen Normal but the image had been disabled to display Recording and the image is displayed on the screen Recording but the image had been disabled to display



If a camera is not enabled, the image from this camera will show as the image above (gray scale) on the screen.

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If a camera is disconnected to the server or the signal from the server is disconnected to the local camera, the image will show as above on the screen. The signal will be picked up at an interval of one minute until it is received.

Display Mode

Select a display mode to arrange the presentation of the screen.

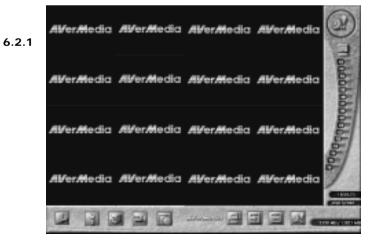


1-Cam Display

9-Cam Display

No matter what channel mode you choose, you can assemble the channels as you wish by clicking **Channel Status** to meet the amount of the mode. For example, if you choose 4-Cam display mode, you can click 4-Cam display (1,4, 8, 13), (3, 5, 7, 8), or other groups of the channels to meet the quantity of 4 channels mode.







User Management

User Management provides the easy management to safeguard the system from the unidentified users. Only the root is authorized to configure this section.

To achieve the setting, complete the following steps:

1. Click User Management. The following window will appear:

User Management		×
User ID root	Password Password Confirm Password	
Add Delete Rename	OK Cancel	

2. Use Add/Delete/Rename button to arrange User field.

- 3. Determine a password and make a confirmation.
- 4. Click Save to save the setup of password.
- 5. Click OK to save or Cancel to delete the previous arrangement.

6. Back to main menu by clicking



6.2.2 Storage Configuration

Assign Recording Disks

First you need to assign the recording to browse for the folder to save the recorded videos in a specific path and click **Add** button to create it. Pay a particular attention on the path definition, the path where the recording files locate has built-in a "\USER\ your ID\" folder., i.e., an indicated

path "C:\Surveillance\recording" by a root should be searched with the path "C:\Surveillance\recording\USER\root.

EllionoloHanaperipie	770000-0-02 1897392-0
	100000 0 000 0000 000
NXI	779880. 8 68 1897292. 8 6
Reimum Space	
Ratioscing when dokupat	a kordun

" You can click **Delete** button to remove anyone of the recording disks, as long as there is at least 1 disk left to save the recording data.

Minimum Space & Safety Quota

Next you need to provide the minimum space and safety quota for hard disk recycling. During hard disk recycling, the newly recorded files will overwrite the old ones. This way the system will not run out of hard disk space to save the recorded videos.

Minimum Space:

The system will start hard disk recycling when the hard disk free space is less than a user-defined number. The user-defined number has to be greater than 450MB, the system defaults to 450MB.

Safety Quota:

Once the hard disk starts recycling, the system won't stop until the hard disk free space becomes more than a user-defined number, say 6000MB (default value). Safety quota should be at least 5550 MB more than the minimum space you assigned.

6.2.3 Camera Setup

The setting is placed according to the privilege of every server for the cameras corresponding to the 16 channels respectively. Follow the tasks below to finish this section:

1. Click **Camera Setup**. It will show a window like the following:

Channel Roma	30.47	Dre .	California Ribatilia	10	ahe .	mod	channelmene	Serve 1	NTM	canaraname	- 01	dite:	ROW
Current i.	200	-		Ŧ	г	E	Darrel I	p-605	2		-	E.	17
Channel 2	pace.	-		•	r.	E	Chartered 31	presso.	-		J	r:	17
Channel 1	prices	-		Ŧ			Oursel 11	p-ton	2		3		E
Current 4	pairies.	-		•	E.	E.	Charger L1	p-8505	-		-		1
Chernel 5	p4cm			٠	г	E	Channel 11	p-6.0m	-				Г
Channel K	24130	-		Ŧ		E	Owned H	p+60m	E				1
channé m	PROM.	-		•	Г	Г	channel IS	presson.	-		-	С	Г
(hand)	p4cm			×		E	Owned to	p-ton	-				1

- 2. Change channel's names by directly click on Channel 1
- 3. Arrow down the list to select the **Server's** and **Camera's** names for each channel.
- 4. Check **Display** to show the images on the screen and **Recording** to enable the recording function for each channel.
- 5. Click **OK** to save or **Cancel** to delete the previous arrangement.

The listed servers and cameras in the pull-down menu are decided by the settings of the each of the servers.

6.2.4 Schedule Recording

The function allows you to plan the recording schedule by date or weekday for all the channels.

Do the steps following:

1. Click **Schedule Recording** to get the window besides:



 Check the recording by date or by weekday and choose the time by clicking the arrow of the box 2002mon . The following window will show as:

or	R.		Octo	ober, á	2002		Þ
е	_				_		_
of	Sun	Mon	Tue	Wed	Thu	Fri	Sat
е	29	30	1		3	4	5
	6	7	8	9	10	11	12
	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	29	30	31	1	2
	3	4	5	6	7	8	9
	D)Tod	ay: 1	0/2/2	002		

- 3. Click on the yy/mm position directly and use the upper left and upper right arrows and the red circle in the bottom left corner window to specify a date to be an operating time.
- Click local to confirm the time setting. A settled time will appear on the right blank box. Click **Delete** to delete the previous time setting.
- 5. Set the **Start** and **End** time by the up and down arrows in **Time** field.

- 6. Check the desired cameras to be involved into the schedule in Camera field.
- 7. Mentioned comment is allowed by using Add/ Delete/ Update/ **Restore** buttons for the further information while recording.
- 8. Click **Ok** to save or **Cancel** to delete the previous arrangement.

Once the recording has been generated as the schedule, the recording status is observed in Channel Status field.

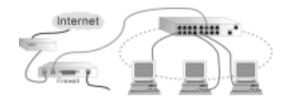


If you want to transmit images for remote surveillance via TCP/IP, first click this button to pop up the following dialogue.

Network Setup	×
Connecting via TCP port	C Auto assignment
	97 man 1025 to 68536
OK	Cancel

- 1. Select TCP port connecting to server via Auto assignment or specify at least 32 ports at a range from 1025 to 65535 for transferring image and receiving commands.
- 2. Click **OK** to save the setting or **Cancel** to guit the dialogue without saving.

The following is the detailed illustration to configure the connection:





The sensor status is viewed on the consequent window by clicking this button.





Relay Status

The relay status is viewed on the consequent window by clicking this button. Otherwise, you can set the duration of the relay output after a relay triggered. Note that the duration value "0" denotes the incessant relay output.

Relay No.	Likely,	a Datation)
Diatoriti	- V	a Daration) O
Datesta	- V	0
ReleyE2 ReleyE3	- V	0
Reinfo	- V	0

6.2.8 Alarm Control

It is available to choose the server and decide to enable or disable the corresponding alarms.

- 1. Click **Alarm Control** to see the window for alarm status.
- 2. To enable an alarm, simply click on in the <u>Status</u> column and change the status to _____.
- 3. Click the **OK** button to save the setting.



6.2.9 Back to Main Menu

Back to the main menu by clicking this button.

6.3 Operating the RemoteManager



Users can take advantage of this section to manage the connectable servers' detailed information. The setting should be placed before you commence configuring the system at the first time.

There are two ways to connect server:

1. Connection via Modem to Modem (refer to Appendix A for the connection):

First you should connect to the server manually via modem before accessing **RemoteManager**. Then, it is allowed to add a new server as a dial-up server is installed by server and a dial-up networking established by client.

2. Sconnection via TCP/IP

Once the function "**Enable Remote View server via TCP/IP**" in the setting of **Networking** section in system configuration has been checked, you are allowed to add a new server via TCP/IP.

Department of the section of the sec	
Common Common	See al
CP and a	Transfits Care a
Renterio I	1000 P
S. imars	Delle Frenchologica _ Fit Fit Fit
P Robert	FL FR FR FR
Be time: B Seturning	
2 XMAN	For For For For
S tata	E Date Weiger anne
10 To 10	
iner Marmadian	Part In Address and a description
Der Philippen	Institut [TraperPediapit Ner Lookers (uter/mining
	2 Enderlanderson and 10 pt Feb. Text
	Date 10
	Typerino
	formal farm
	Parcent
	Long Long Long
	iphte Anton Delad

Before arranging center manager section, please make sure RemoteView server enabled in networking section of System Configuration.

To offer the complete information, finish the steps below:

- 1. Click Center Manager button and the following window appears:
- Click Add to include an available server to server list. The Add Server window will show as follows or click Delete or Update to modify the setting.
- 3. The multicast servers in



LAN will be listed automatically on the left side of the dialog. You can highlight the server which you want to add and click **OK** or directly double click the server to add a new multicast server.

Server Name	2 köben	figri	IF Address	
			Part	99
			· Including	laturating.
			Falsada	Canal Canal

- 4. In order to add a new server in WAN, enter the IP Address or domain name of the desired server and the same port number as the setting in Networking section of the server (default 9090). Check Use Dial-Up Networking to configure the further setting of network if the network connection is via modem to modem. Click OK to start connecting or Cancel to guit the dialog.
- 5. The following pop-up window of Add Server will show the Server Name automatically if the IP Address is correct and has been connected. In that case the server name doesn't show up, please check the connection between server and remote client.



If the port number has been changed in server end, please delete the server and set a new one.

37 A03160 39 A03160 764 Server Hano User	IS. 1.4.38 June Initiality	Connecting Quelty Private Actual converting speed according to tabletic quelty, (AA (000% bps) - class (0126 kps) - 1200 (106 kps) - 1200 (106 kps)	치
User10 Papeerd		2 20% jevé hpol - moder (30.5k boc) - moder (20.5k boc) - Garoal	

User

Finish the user's information given by the specified server.

Conneting quality

Here allows user to pick a proper conneting speed for each server to adjust the network quaility. Drag the slide bar to select one connecting speed out of 11 levels. Namely, if the update of the image is almost failed, you sould to increase the connectining speed. Note that the higher quality needs the higher baud rate. Click **OK** to save to add the new server in center management or **Cancel** to quit the setting.



Note that the connecting speed in remote client had better meet with that in server.

6. You will be prompted to click **OK** in the following window to into the **Camera Setup** window once one of the users of server has been

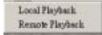
deleted. About the instruction of the **Camera Setup**, please refer to **6.2.3 Camera Setup** section.



7. Repeat the steps above to add a new server. The maximum numbers of server are limited in 16 for the 16 channels.

3.2 Playback

Once in the playback mode, users can view log files recorded in the local/remote hard disks. Click this button and select the kind of file you want for playback: **Local Playback** or **Remote Playback**.



Local Playback

1. Click **Playback** to display the screen below.



2. From the cameras' list shown in time diagram, choose the desired camera folder first and the time folder by yy/mm/dd then. Consequently, the files ranged within the selected time will be listed in time sequence in the file directory.



The files are located on the local computer so that only the enabled cameras by local user will be found in the file list.

3. Highlight the file you want to review and use the buttons below to control the video playback.

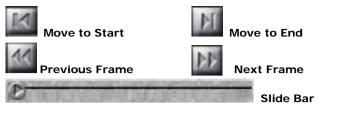


Click this button to playback the selected file.





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You can drag the slide bar directly to the frame you want to play.







Click the buttons to zoom in or out the images.



Image Quality

You can adjust the brightness, contrast, hue and saturation.



Print

Click the button to print the current image.

Save

Use the playback panel to choose a desired frame and then click Save button.



Click the button to delete the current file and make sure by clicking **Ok** button on the pop-up window.

\mathbb{A}	Do you want to delete the file : if Viewage Cancers/200309392003001839.30 doe
_	Cancel

Backup

When you review the log files, you can click this button to save the files onto your local disk.

Remote Playback

1. Select **Remote Playback** to configure the further setting

Set 2000/10/18 2 174-06-07-07 120 Length 20 Minute	Canal	×

Time

Determine a start time and the duration (up to 60 minutes) by clicking on the arrows.

Channel

Check the desired channels to display while playback.

2. Click OK to save the setup or Cancel without any saving to enter remote playback window below:



- 3. Refer to the 2~3 steps in the previous Local playback section to view the files.
- 4. Back to the main menu by clicking



PTZ Control

Once you have installed a PTZ camera, the functional utility will help you to exert the control on the surveillance.

To enable the function, follow with the steps below: 1. Click **PTZ Control** to show the following window:



16 connected with PTZ camera 2. Designate a channel for the further setting.



Preset Position Setup

Each PTZ camera can set 16 preset positions. You can move the camera to a desired preset position simply by clicking on the number of the preset position. To set a preset position, first select the number of the preset position and set the direction speed. Then configure the camera's position with the directional control buttons, focus in/focus out buttons, and zoom in/zoom out buttons. Finally set the stay time, rotation speed, and click the **Save** button.



Direction Control

Adjust the camera's direction with the following eight buttons; Up / Down / Left / Right / Upper Left / Bottom Left / Upper Right / Bottom Right.



Direction Speed

There are four speeds to decide the moving speed of the PTZ camera during adjusting **Direction Control**



Focus in

Decrease the focal length of the camera to focus on the image.



Focus out

Increase the focal length of the camera to focus on the image.



Zoom in Zoom in Zoom in to enlarge the image of the object.



Zoom out

Zoom out to reduce the image of the object.



Dwell (Sec)

During AutoPan, this button determines the time for the camera to stay $(1 \sim 60 \text{ seconds})$ at one position before rotating to the next position.



Rotation Speed (deg/s)

You can set the speed (5~255 deg/s) by the left and right arrows at which the camera rotates from its current position to the next preset position.



Save

After you finish setting a preset position, you need to click this button to save it and go on to set the next preset position.



Clear

Click this button to clear the setting for the current preset position.



Group

Each PTZ camera has 4 groups to comply with the position sequences as follows:

Group 1: 1~4 positions Group 3: 9~12 positions Group 2: 5~8 positions Group 4:13~16 positions

AutoPan

Choose a group number first, and click this button to enable this function.



Back to Main Menu

Click here to back to main menu.

Manually enable the recording setting arranged in the **Schedule Recording** section by clicking this button. Meanwhile, the recording status is visible in the **Channel Status** field and **Start Recording** button will turn into transparent red.



Click this button to exit **RemoteManager**. First a password control window will prompt you to enter the password to make sure your authorization. Then a window below will appear to confirm the quit. Click **OK** to exit or **Cancel** to back to the system



Appendix A Remote Login with an Modem-to-Modem Connection

To run RemoteManager over a direct Modem-to-Modem connection between the AVerMedia EYES Pro/MP2016/MP3000/MP5000 server and the remote client, follow the instructions in the section of the operating system you are using.

When using Modem-to-Modem connection, if the AVerMedia EYES Pro/MP2016/MP3000/MP5000 server is running on a Windows 98 system, the client cannot login from a Windows 2000 or Windows XP system. The client can only login from a Windows 98 system when the server is running on a Windows 98 system. It is suggested that the server run with Windows 2000 or Windows XP system.

A.1 Windows 98SE / Windows Me

1. Server:

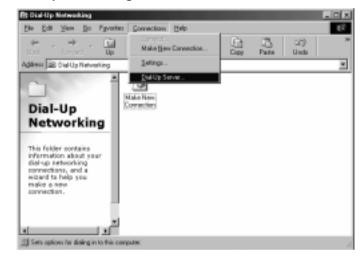
tab.

A. Install the Dial-up Server. Go to Control Panel and doubleclick Add/Remove Programs. Select the Windows Setup



D. After finished installing the Dial-up Server, you need to enable the Dial-up Server. Go to

Start→Programs→Accessories→Communications and click Dial-up Networking. You will enter the window below.



E. Click the **Connections** tab and select **Dial-up Server** to enter the setup page.

Dial-Up Server	? ×
ZyXEL onni.net D (DSS1)	
Ng caller access Allow caller access Password protection: Change Passeord	
Charge Foldman.	-
Cogment	_
<u>S</u> tatus: Ide	
Dispress User Server Lype	
DK. Cancel	Apply

B. Select Communication and click

Details... . The

- $\label{eq:communication} \mbox{ dialog box will show up. Check the box next}$
- to **Dial-up Server** and click the **OK** button.

Communications	×
To add a component, select the check box, o don't want the component. A shaded box mee the component will be installed. To see what's component, click Details.	in: that only part of
Components:	
Dial-Up ATM Support	0.0 MB
Bill Dial-Up Networking	1.2 MB
M Rt Diał-Up Server	0.1 MB
☑ ∰3 Direct Cable Connection	0.5 MB
🗹 🖏 HyperTerminal	0.8 MB
Space used by installed components:	22.4 MB
Space required:	0.0 MB
Space available on disk:	519.3 MB
Description	
Provides a connection to your computer via	a noden.
	Detalo
0K.	Cancel

C. Click the OK button in the Add/Remove Programs Properties dialog box and the system will start to install the Dial-up Server. If you're using Windows 98SE, you will be prompted to insert the Windows 98SE CD-ROM.

Insert Di	Insert Disk			
8	Please inset the disk labeled Windows 90 Second Edition CD-ROM, and then click OK.			
	OK			

F. Check Allow caller access to enable the Dial-up Server. Click Change Password...

Server Type...

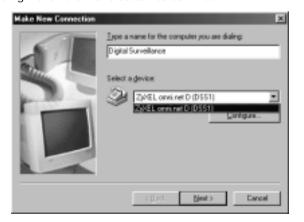
to set the login password and then click

from the drop-down menu and then click the **OK** button to finish the ISDN setup for the server end.

_	of Dial-Up Server.	_
Date	: Internet, Windows NT Server, Windows 98	
ESS With	Internet, Windows NT Server, Windows 98 dows for Workgroups and Windows NT 3.1	
- Iv	Enable software gompression	П
E	Require encrypted paraword	

2. Client:

A. Go to Start→Programs→Accessories→Communications and click Dial-up Networking. Double-click Make New Connection to bring up the Make New Connection wizard. Enter the server's name and select the ISDN device you are using. Click the Next button to continue.



B. Provide the server's telephone number, including the area code, and click the **Next** button to finish creating the new connection.



C. Go back to the **Dial-up Networking** window and double-click the connection you just created. In the **Connect to** dialog box, enter any User name and the Password set in step F of the server's ISDN setup procedure. Click Connect to start connecting to the AVerMedia EYES Pro/MP2016/MP3000/MP5000 server.

nect To	<u> </u>
	Ral Surveit .
User name:	guest
Parrowed	
_	Eave pestword
Phone gunber:	1234967
Dialing from	New Location 💌 Dial Properties
	Connect Cancel

D. After you get connected, access Start → Programs → Digital Video Surveillance System → RemoteManager to launch RemoteManager. Refer to Chapter 6 RemoteManager to login. (Default IP address: 192.168.55.1)

A.2 Windows 2000

1. Server:

A. Go to Start→Programs→Accessories→Communications Wizard. Click the Next button. and click Network and Dialup Connections. In the Network and Dial-up Connections window, double-click Make New Connection to bring up the Network Connection



B. Select Accept incoming connections and click the Next button.



C. Select the ISDN device you're using and click the Next button.

k Connection Waard Voor fer Incoming Connections You can choose the devices you conquire uses to accept incurring connections.
Select the check box next to each device you want to use for incoming connections.
Connection devices: 2 Prove 14/128 0551 Prof
C _ J Deed Facilet (LFT1)
Properties
<bad. next=""> Cancel</bad.>

D. Select **Allow virtual private connections** and click the **Next** button.



E. Select users allowed to connect to this computer from the list or click Add... to create new users. For each user,

Properties to set the user's password, which is

click to set the user's password, which is required when the user login the server. After you finish, click the **Next** button to continue.

Network Connection Woord Allowed Users "You can specify which users can connect to this computer. Image: Connect Conn
Select the check bas need to the name of each user you want to allow to connect to this camputer. Note that ather factors, such as a disabled user account, may affect a user's ability to connect.
Users allowed to connect.
記録 Administrator ■ ● Gases
w I am I ama I
Add Delete Propertien
< Back Next > Cancel

F. Make sure that Internet Protocol (TCP/IP) is selected and Properties

click to enter the Incoming TCP/IP Properties dialog box.

Networking Co Networking a kinds of comp	ongonenis enable this conguter is accept connections how other
	edi box next to the name of each networking component you want to oning connections.
Networking c	imponents:
ETT NHO	et Postocal (LCPVIP)
	Instal Uninstall Properties
Description	
	Cantol Protocol/Internet Protocol. The default wide area network pastocol communication across diverse interconnected retworks.
	(Rask Next) Cancel

G. Check the boxes next to Allow callers to access my local area network and Specify TCP/IP addresses. Set the From IP as 192.168.55.1 and the To IP as 192.168.55.2. Click the OK button and then click the Next button in the Network Connection Wizard.

CP/IP address a	asignment
C Assign TCP	/IP addresses automatically using DHCP
Specify TCF	P/IP addresses
From	192 . 168 . 55 . 1
Τα	192 . 168 . 55 . 2
Total:	2
-	computer to specify its own IP address

H. Click the **Finish** button to complete the ISDN setup for the server end.



2. Client:

A. Go to Start→Programs→Accessories→Communications and click Network and Dial-up Connections. In the Network and Dial-up Connections window, double-click Make New Connection to bring up the Network Connection Wizard. Click the Next button.



B. Select **Dial-up to private network** and click the **Next** button.



C. Provide the server's telephone number, including the area code, and click the **Next** button.

Network	Connection Waard
Y	e Hundrer to Dial ownext specify the phone number of the computer or network, you want to ownext to
90	ppe frie phone number of the computer or network you are connecting to. If you want or conguter to determine automatically herv to dial how different locations, check Use along sales.
	Area code Phone number.
	Country-Neglon cade: United States of America (1)
	🕫 Use dailing rules
	(Back New) Cancel

D. Select For all users and click the Next button.



E. Click the **Finish** button to complete the connection setup.



F. Go back to the **Network and Dial-up Connections** window and double-click the connection you just created. In the dialog box, enter any User name and the Password set in step E of the server's ISDN setup procedure. Click Dial to start connecting to the AVerMedia EYES Pro/MP2016/MP3000/MP5000 server.



G. After you get connected, access Start → Programs → Digital
 Video Surveillance System → RemoteManager to launch
 RemoteManager. Refer to Chapter 6 RemoteManager to login.

A.3 Windows XP

- 1. Server:
 - A. Go to Start→Programs→Accessories→Communications and click New Connection Wizard. Click the Next button.



B. Select **Set up an advanced connection** and click the **Next** button.



C. Select **Accept incoming connections** and click the **Next** button.

	nood Connection Options Rich type of connection do you want to set up?	Ì
G	elect the connection type you want. Accept incompton connections Allow of the computers to connect to this computer through the internet, a phone line, or a detect oblic connection. Connect directly to another computer Connect to another computer using your serial, perallel, or inhared pot.	

D. Select the ISDN device you're using and click the **Next** button.



E. Select **Allow virtual private connections** and click the **Next** button.

New Connection Wizard
Incoming Visitual Private Network (VPN) Connection Another computer can connect to your through a VPN connection
Vehial private connections to your computer through the Internet are possible only if your computer has a known name or IP address on the Internet.
If you allow VPN connections, Windows will madily the Internet Connection Resvall to allow your computer to send and receive VPM packets.
Do you want to allow virtual private connections to this computer?
Do not alion virtual private connections
C to to any smallplan contents
< Pack Next> Cancel

F. Select users allowed to connect to this computer from the list or click Add... to create new users. For each user, click Properties to set the user's password, which is required when the user login the server. After you finish, click the Next button to continue.

New Connection Wizard
User Penalisticer You can specify the users whe can connect to this computer.
Select the check box next to each user who should be allowed a connection to this computer. Note that other factors, such as a disabled user account, may affect a user's ability to connect.
Users alawed in connect:
C RAE
2 (9 fast
c
Add. Reserve Properties
Cancel Newly Cancel

G. Make sure that Internet Protocol (TCP/IP) is selected and

click Properties to enter the Incoming TCP/IP Properties dialog box.

Networking Soft Networking soft of camputers.	ware allows this computer t	o accept connections I	tan after kinds
Select the check for incering co	box next to each type of a westions.	wiwaking saltware th	t draukt be wrabled
Networking soft	MAK		
To 3 Internet	Pedecol (10P/4P)		~
	Printer Shaing for Missona	8 Meturalia	
Cos Pi	ckel Scheduler		4
	instal.	Universit	Properties
Decipipion			
	nind Protecol/Internet Prot nationication across diverse		

H. Check the boxes next to Allow callers to access my local area network and Specify TCP/IP addresses. Set the From IP as 192.168.55.1 and the To IP as 192.168.55.2. Click the OK button and then click the Next button in the Network Connection Wizard.

TCP/IP address a	riveran
	IP addresses automatically using DHCP
Specify TCP	/IP addresses
From:	192 . 168 . 55 . 1
Τα	192 . 168 . 55
Total:	2
	computer to specify its own IP address

I. Click the **Finish** button to complete the ISDN setup for the server end.



- 2. Client:
 - A. Go to **Start→Programs→Accessories→Communications** and click **New Connection Wizard**. Click the **Next** button.

New Connection Minard		
£3)	Welcome to the New Connection Wizard	
1 a g	This wizard heips you:	
	 Connect to the Internet. 	
	 Connect to a private network, such as your workplace network. 	
	 Set up a hone or small office network. 	
	To continue, clish. Next.	
	(Beck. Next) Cancel	

B. Select Connect to the Internet and click the Next button.

M	ofweek Connection Type What do you wan't to do?
	Connect to the Internet Correct to the Internet re you can browse the Web and read enail.
	Connect to the network at mp workplace Connect to a business network (using datap or VPN) re you can work from home. a field office, or another location.
	Set up a home or small office network
	Connect to an existing home or unall office network or set up a new one.
	O Set up on advanced connection
	Connect directly to another computer using your serial, parallel, as intraed part, or set up this computer so that other computers can connect to it.
	(Back Net) Cacel

C. Select **Set up my connection manually** and click the **Next** button.

New Connection Wizerd	
Gotting Roady The vibad is paparing to set up your Internet connection.	S)
How do you want to connect to the Internet?	
Choose from a list of Internet service providers (ISPs)	
Set up my connection manually	
For a dial-up connection, you will need your account name, partw phose sumber for your ISP. For a brandband account, you wan't e number.	
O Use the CD I got free on ISP	
C Back New >	Cascal

D. Select **Connect using a dial-up modem** and click the **Next** button.



E. Enter the name of this connection and click the **Next** button.

New Connection Minord	
Connection Name "What is the name of the service that provides your internet connection?	Ŋ
Type the name of your ISP in the following box. ISP Name	
Digital Surveillance	
The name you type here will be the name of the connection you are creating.	
(Back Next)	Cancel

Phone Humber to Dial What is your ISP's phone r	nutur? 🎻
Type the phone number be	ekow.
Phone number:	
6171234567	
you need the extra nam	Let e 1 st or the sense code, or both. If you are not sure intern, duil the phone number any pour telephone. If you the number dialed is connect.

G. Enter any User name and the Password set in step F of the server's ISDN setup procedure. Click the **Next** button to continue.

New Connection Wizard			
Internet Account Infor You will need an acco	nation and name and password its sign in to your Internet account.		
	name and pacavezed, then write down this information and store it in a e logother, an existing account name is pacavezed, contrast year $SP()$		
User name	Gweet		
Parrient			
Confirm personnel	•••••		
Use this account mane and paceword when aryone connects to the Internet from this computer			
Make this the delauit Internet connection			
Tues on Internet Connection Reseal for this connection			
	Cancel		

H. Click the **Finish** button to complete the connection setup.



 Go to Start→Programs→Accessories→Communications and click Network Connections. Double-click the connection you just created. In the dialog box, enter any User name and the Password set in step F of the server's ISDN setup procedure. Click Dial to start connecting to the AVerMedia EYES Pro/MP2016/MP3000/MP5000 server.

Connect Digital Surveillance	7 K
	X
Uver name: 2000	
E laws this user name and passes of its the following us O file only O is prove who users this computer	
Dat E012850	
Dal Carol Papeler 1	teb.

J. After you get connected, access Start → Programs → Digital Video Surveillance System → RemoteManager to launch RemoteManager. Refer to Chapter 6 RemoteManager to login.

Appendix B Registering Domain Name on DDNS Server

DDNS (Dynamic Domain Name Service), a data query service chiefly used on Internet for translating domain names into Internet addresses. It is allowed the remote clients intelligently search dynamic servers without any previous enquiring for servers' Internet addresses.

In order to take advantage of the intelligent service, please first register your domain name on the website: <u>ddns.avers.com.tw</u>

1. User Login

Browse the website <u>ddns.avers.com.tw</u> with Microsoft IE or Netscape Navigator to access the following dialogue.

User Login			
Seriel No.			
Product mp3000 •			
OK			

First input the serial number of your product and select the product name. Then click **OK** to login or **Reset** to clear the previous input.

2. Password

Set a password to secure your identification.

Input your password	
Parsword we	
OK Reset	

3. User Information

Please provide the following user information, **Host Name**, **Password**, **E-mail**, **Company**, and **Country** to complete the registration procedures.

-	Ν
U	(
	а
	S

Note that Host Name and Domain Name (AVerMedia.avers.com.tw) are the replacement for Internet address while a remote client tends to search a dynamic server.

User Information		
Host Name	AVerMedia	•
Domain Name	avers.com.tor	
Password		+
Confirm Pareword		x
E_nul	odysseus@ms1.url.cor	•
Company	AVerMedia	
Country	Taiwan	•
OK Reset		

Appendix C Image Verification

The system already includes ImageVerify program in the system CD.

After installation or copying ImageVerify program file. follow these

steps to install and run ImageVerify program:

1. open the "tools" folder in EYE Pro digital video surveillance system

CD.

- 2. copy ImageVerify.tar.gz to hard drive.
- 3. Un-zip the file.
- 4. the steps to execute the ImageVerify program as follows

a. setup/start program

Installation / Run After install digital video surveillance system in Windows 98SE / Me / 2000 Pro / XP Pro, click start->program files-> EYE Pro digital video surveillance system ->Image Verification to execute the program.

After the installation, you can open installed folder, copy this file 'ImageVerification.exe' and run on other computer.

b. Load the image file to start verifying file

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This program can only verify un-compressed bmp image file

C. verify image file. Click 'verify' button to begin the process

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D. result

(1) If file is not modified, same picture will show in the right side result picture box



(2) If the file is modified, it will display a warning dialog box. In result box, it will highlight the area which is been changed.





LIMITED WARRANTY

AVerMedia TECHNOLOGIES, Inc. warrants that this product to be free of defects resulting from faulty manufacturing or components under the following terms:

WARRANTY LENGTH

Labor is warranted for 15 months from the date of purchase. Replacement products will be warranted for the remainder of the 15-month warranty period or 30 days, whichever is longer.

WHO IS PROTECTED

This warranty is enforceable only by the first consumer purchaser.

WHAT IS AND IS NOT COVERED

Except as specified below, this warranty covers all defects resulting from faulty manufacturing of this product. The following are not covered by the warranty.

- 1. Any product on which the serial number has been defaced, modified, or removed.
- 2. Damage, deterioration, or malfunction resulting from:
 - A. Accident, abuse, misuse, neglect, fire, water, lightning, or other acts of nature, commercial or industrial use, unauthorized product modification, or failure to follow instructions included with the product.
 - B. Misapplication of service by someone other than the manufacturer's representative.
 - C. Any shipment damages. (Claims must be made with carriers.)
 - D. Any other cause that does not relate to a product defect.
- 3. Cartons, cases, batteries, cabinets, tapes, or accessories used with the product.
- 4. **AVerMedia TECHNOLOGIES, Inc.** does not warrant that this product will meet your requirements; it is your responsibility to determine the suitability of this product for your purpose.

WHAT WE WILL AND WILL NOT PAY FOR

We will pay labor and material expenses for covered items. However, we will not pay for the following:

- 1. Removal or installation charges.
- 2. Shipping charges.
- 3. Any incidental charges.

EXCLUSION OF DAMAGES

THE MANUFACTURER'S SOLE OBLIGATION AND LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT OF A DEFECTIVE PRODUCT AT OUR OPTION. THE MANUFACTURER SHALL NOT, IN ANY EVENT, BE LIABLE TO THE PURCHASER OR ANY THIRD PARTY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGE (INCLUDING, BUT NOT LIMITED TO, DAMAGES RESULTING FROM INTERRUPTION OF SERVICE AND LOSS OF BUSINESS) OR LIABILITY LIMITATIONS OF IMPLIED WARRANTIES.

There are no other oral or written warranties, expressed or implied, including but not limited to those of merchantability or fitness for a particular purpose. Any implied warranties are limited in duration to 15 months from the date of purchase.

STATE LAW AND YOUR WARRANTY

This warranty gives you specific legal rights, and you may also have other rights granted under state law. These rights vary from state to state.

CONTACT INFORMATION

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