Nikon AC-1WE Photo Secretary for F5 Instruction Manual

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FOREWORD

Thank you for purchasing Nikon Photo Secretary for F5 (AC-1WE). This software is easy to use, but requires familiarity with basic Windows® 95 operations and functions, including: handling of documents, folders, windows, menus, dialog boxes, the clipboard, and general mouse and keyboard techniques. If you are not familiar with these operations, please refer to your "Microsoft Windows User's Guide."

Nikon Photo Secretary for F5 is programmed to allow you to:

- Control F5 camera(s) connected to your personal computer (PC)
- Design Customized Settings
- Transfer shooting data directly from the F5 camera to your PC
- Edit shooting data transferred from F5 to PC, and link it to image data loaded from a scanner or photo CD
- Take advantage of an extensive online help system
- * Windows® 95 is U. S. registered trademark of Microsoft Corporation.

Configuration

- Two Floppy Disks with Installer
- Instruction Manual
- License Agreement
- Registration Card
- Nikon Personal Computer Connecting Cord MC-33 (for Windows® 95)

System Requirements for Installing Nikon Photo Secretary

Minimum PC System Requirements

To use Photo Secretary, your computer system must be equipped with the following peripheral equipment and software:

Microsoft Windows® 95, and the minimum hardware requirements for operating Windows® 95

- 80386 processor (or higher)
- 8 Megabytes of memory (16MB or more recommended for optimum performance)
- A Windows® supported display adapter (Hercules, EGA, VGA, SVGA, etc.)
- A mouse or other Windows® supported pointing device

Floppy disk drive (for installation) Available external RS-232C serial port (COM1 - COM2) Approximately 4MB free disk space for program files Windows® supported printer SCSI interface CD-ROM drive Scanner (with TWAIN support) Photo CD

To control camera operations and transfer shooting data directly from the camera

Nikon F5 Cameras (1-3 units)* Nikon Personal Computer Connecting Cord MC-33 (for Windows® 95)

* Controlling two or three F5 cameras with Nikon Photo Secretary requires exclusive modified connection cables.

WELCOME TO NIKON PHOTO SECRETARY

Before Installing Photo Secretary on Your Personal Computer

We strongly advise that you make a backup copy of the enclosed distribution diskette and store the original master diskette in a safe place. Use the backup copy to continue with the installation.

Check the distribution diskette for any late breaking news or additions to this instruction manual. If it contains updated information or corrections, the information will appear in a file named README.TXT. The README.TXT file is an ASCII text file that can be read with a DOS editor from Windows® using Write (select File Type *.TXT in Write) or Notepad, or copied to your printer using the command COPY README.TXT PRN. Information in this file, if it exists, will supersede or correct information contained in this instruction manual.

Installing Nikon Photo Secretary To Set Up Photo Secretary for Windows® 95

- 1. Insert Setup Disk 1 in the floppy disk drive.
- From the Start menu, choose Settings, then Control Panel. Double-click on "Add/Remove Program". Click on "Install", then click on "Next >". Finally, click on "Finish".
- 3. Follow the instructions on your screen. Click on "Next" to continue the Setup process.

Nikon Photo Secretary for F5 can be operated in either of two modes, Online and Offline.

Online Mode

In Online mode, you can control or operate a connected F5 camera through Photo Secretary.

With an F5 camera connected to your PC using the MC-33, sending any signal from the PC to the F5 automatically switches your F5 to Online mode, causing the PC mark to appear in the rear LCD panel of the camera. With the F5 in Online mode, you will be able to operate the shutter release button, film rewind function, focus mode selector, AE-L/AF-L button and AF start button only. Other camera modes and functions can be operated through the Photo Secretary software.

To cancel Online mode, quit Photo Secretary or turn off the camera power.

Offline Mode

You can also use Photo Secretary in Offline mode without connecting the camera to your PC. In Offline mode, you can select Custom Setting options, create programs for programmed shootings, edit shooting data, image data and files, and use the Help function. You cannot, however, control or operate a connected F5 camera in Offline mode.

Switching the camera from Online mode to Offline mode automatically resets all settings except Custom Setting and multiple exposure.

Starting Nikon Photo Secretary

Contents of Photo Secretary

Nikon Photo Secretary for F5 contains the following modules:

- Camera Operation
- Camera ID Setup
- Readme File
- Film ManagerPhoto Finder
- Uninstall Shield

All software is installed in a single location on your PC, but each individual module can be started and used individually.

Nikon Photo Secretary for F5 Help

To start Photo Secretary, select "Program" - "Photo Secretary for F5" from the start menu, then click on the icon of the module you want to open. When opening a Photo Secretary module, you will be presented with the main window for that module. (When opening the Camera Operation or Film Manager module, you will see the Opening window first.) To quit Nikon Photo Secretary, click on "File" - "Exit" in the main window (see Figure 1 and 2).

Camera Operation 🛛 🗖 🗖 🗙
jile <u>T</u> ool ⊻iew Help
🖬 🚵 CSM RST 🖾 🚈 🕂
PORT1
255
amera-ID(255)Online
or Help, press F1 NUM

(Figure 1. Camera Operation)



(Figure 2. Film Manager)

Selecting a Serial Port

Select the RS-232C serial port to which you will connect the MC-33. The serial port can be set when installing Photo Secretary on your PC.

- 1. Open Photo Secretary's "Camera Operation" or "Film Manager" module.
- 2. Click on "Tool", then click on "Configuration ...".
- 3. Select the port to which you intend to connect the MC-33.

Photo Secretary supports COM1 and COM2 ports. Select a free COM port supported by your computer. If you are using an internal modem on COM1, then your serial port will be COM2 (and vice versa). Figure 3 and 4 show the "Configuration" dialog boxes for "Camera Operation" and "Film Manager".

Communication Ports	СОМ1	
communication Foits		
Minimum Number for ID search	1	
Maximum Number for ID search	10	
Release Format	Command Release 💌	
Shooting Data Folder	o Secretary for F5\PROGRAM	Browse
Custom Setting Folder	o Secretary for F5\PROGRAM	Browse
Programed Shooting Folder	o Secretary for F5\PROGRAM	Browse
	E with T	Cancal

(Figure 3. Camera Operation)

Config	uration	×
Commu	unication Port	СОМ1 💌
Minimu	m Number for ID search	1 dian come
Maxim	um Number for ID search	10
Shootii am File	ng Data Folder es\Nikon\Photo Secretary for	F5\PROGRAM Browse
Display	Item in Text View	
	Frame Count & Date	•
	Shutter Speed & Aperture	-
	Metering System	•
	EV Difference in Manual I	Exposure Mode 💌
	Data Imprinting	•
Horizoi	ntal Frames	6 frames 💌
First Fr	ame	1
	[EXIT Cancel

(Figure 4. Film Manager)

Photo Secretary Functions

All functions can be accessed via pull-down menus. Most functions can also be accessed via the Tool Bar.

As with most Windows® based applications, the Menu Bar and menu options will change to match the active operation. Unavailable functions will appear "dimmed" or not at all. Most menu commands, options and functions can be found with the Help function. (Figure 5)

Holding the cursor over an icon causes a "Tool Tip" to appear. Click on the <u>M</u> tool bar icon, then click on the icon for which you would like help.

🔞 Camera Operation	- X
<u>File T</u> ool <u>V</u> iew <u>H</u> elp	
PORT1	
255	
Camera-ID (255) Online	
For Help, press F1	NUM

(Figure 5)





Load Shooting

Tool Bar Icons in "Photo Finder" main window



Open



opor





Copyright

Save





Using "HELP" Functions

For information on the currently active function/mode, press the F1 key. Alternately, you can click on the "Help" menu, as described below.

Nikon Photo Secretary for F5 Help

Open "Help" for basic operations.

- **Help Topics**
 - Contents: Refer to the menu contents relevant to your desired information.
 - Index: Use the Index to locate your desired information.
 - Find: Enables you to search the Help topics for specific words and phrases.

Version

Display information, version number and copyright.

Connecting to Camera

- Personal Computer Connecting Cord MC-33 for F5

When connecting the Nikon F5 camera to your PC, use only Nikon Personal Computer Connecting Cord MC-33. A data link cannot be established with other connecting cords.

Connecting

- 1. Switch off both the camera and PC.
- 2. Connect the MC-33 to the camera's 10-pin remote terminal.

Insert the MC-33's plug into the terminal with the " Δ " symbol pointing up, then turn the lock screw as far as it goes. (See illus. A)

3. Connect the MC-33 to the PC's external RS-232C serial port.

Match the shape of the MC-33 connector with the PC terminal, then push it in and tighten the two screws on the plug.

4. Open Windows® 95, then turn on the camera power.

Disconnecting

- 1. Turn off the camera power.
- Remove the MC-33 connector from the PC. Loosen the two screws on the connector, then pull it out.
- Remove the MC-33 plug from the camera body. Unscrew the lock ring, then unplug the MC-33. (See illus. B)



Illus. A



Illus. B

CAMERA OPERATION

Nikon Photo Secretary allows you to operate F5 camera functions, change the camera's settings, perform program shootings, and more.

To open the Camera Operation module, select "Nikon Photo Secretary for F5" from "Program" in the start up menu, then click on "Camera Operation".

Configuration

Configuration settings for Camera Operation can be set in the "Configuration" dialog box.

This dialog box allows you to set the communication port, minimum and maximum numbers for an ID search, and manage the release format and data saving folders — without turning the camera on.

1. Open Photo Secretary's Camera Operation module.

Click on "Tool"-"Configuration" (The "Configuration" dialog box is shown in Figure 6.) 2. After selecting your desired settings, click on "Exit" to save the setting.

Configuration		×
Communication Ports	СОМ1	
Minimum Number for ID searc	ch 1	
Maximum Number for ID sear	ch 10	
Release Format	Command Release 💌	
Shooting Data Folder	o Secretary for F5\PROGRAM	Browse
Custom Setting Folder	o Secretary for F5\PROGRAM	Browse
Programed Shooting Folder	o Secretary for F5\PROGRAM	Browse
	Exit	Cancel

(Figure 6)

Release Format

Photo Secretary for the F5 offers two release formats, Command Release and Line Release.

Command Release

Sends a shutter release command from PC to camera. Because the camera is controlled from the PC, there is a brief time lag. In Command Release (clicking on the PC's "AF start"), autofocus operation stops with the start of the first Release operation on the PC.

Line Release

Sends an electronic release signal via the signal line from PC to camera. Line Release format does not require communication time, so the release response is faster than in Command Release format.

Note:

- With certain PC models, Line Release format cannot be used due to electronic noise. Before installing a film cartridge on the F5 camera, test whether or not you can use the Line Release format with your PC.
- When using Line Release format, some Remote Operation functions cannot be used.

* For details on specific settings, see the "Help" menu.

Custom Functions

The "Custom Functions" dialog box allows you to set camera function settings, complementing the F5's Custom Setting features.

The F5 camera offers EEPROM memo storage in two areas to memorize custom settings — one in Custom Set Memory A, one in Custom Set Memory B. Using the PC, you can select from the area (A or B) to which you will load camera settings or store the new custom settings. Custom Set Memory A is selected as default setting.

The "Custom Functions" dialog box allows you to:

Set custom functions.

Select the operating memory (select memory where data has been uploaded or data changes stored).

Select custom set memory (select memory for storing setting changes made with camera's Custom Setting feature #0).

Setting Custom Functions

- 1. Using the MC-33, connect the camera body and PC.
- 2. Turn on the camera power. (When setting custom functions only, you do not need to turn on the camera power.)
- **3.** From Camera Operation click on "Tool"-"Custom Functions" to access the "Custom Functions" dialog box shown in Figure 7.
- 4. Select the Custom Set Memory you wish to confirm or modify. Check "A" or "B" at the left of "Selecting Custom Setting" to indicate the memory from which you wish to load data. (At the default setting, Photo Secretary will select the Custom Set Memory designated in camera's Custom Setting feature #0.)
- * This operation does not allow you to change the Custom Set Memory to which the camera's RAM is connected.
- Click on "Load" to load and confirm the settings of your selected Custom Set Memory.
- 6. Select the Custom Set Memory to which you will send the new custom settings. Check "A" or "B" at the left of "Selecting Custom Setting" to select the memory where you wish to store data.
- 7. After selecting your desired custom functions/modes, click on "Set" to set the new custom functions for the camera. (Default settings are indicated with asterisk).

To change the settings in camera's Custom Setting feature #0, check "A" or "B" at the right of "Selecting Custom Setting".

The "Custom Functions" dialog box offers menu plates for "Dial/Buttons", "Release", "Film Operation", "AF", "Exposure/SB", "Shooting Data" and "Function Settings". For details on each of these functions/modes, see "Help" menu.

(i.e. Self-Timer LED On When Shutter Release)

At the default setting, self-timer LED does not light up when the shutter is released. You can change this so that it lights up during exposure.

- When you have set the custom option(s) on your camera, CUSTOM appears in camera's rear LCD panel.
- To confirm, change or memorize the camera's custom settings on the PC, you must turn the camera on.
- "Release Timing for Second Camera" enables you to set the custom function for synchronized shutter release on two cameras — when used with Nikon Connecting Cord MC-23. Set the same shutter speed/film advance mode for both cameras. When selecting "Alternative", set the shutter speed faster than 1/250 sec. (Connecting F90X and F5 cameras via the MC-23 will limit the F5 functions available.)

I/Buttons Release Film Operation AF	Exposure/SB Shooting Data Funct	tion Settings
Direction of Command Dial Rotation	* Default	
AF/AE Lock Button	* AF/AE Lock	•
Aperture Setting via Sub-Command Dial	* Enabled	
Lock Button	* Lock	•
Command Dial Rotation	* Stops at both ends of the scale	-

Custom Reset

The "Custom Reset" dialog box lets you change the initial setting of the camera's Two-Button Reset function.

Exposure Mode, Flash Sync Mode, Focus Area and Focus Area Mode settings can be stored in the camera as Custom Reset data. This data can be retrieved by keeping the camera's (SM) and (CM) buttons pressed for longer than two seconds.

- 1. Using the MC-33, connect the camera body and PC.
- 2. Turn on the camera power.
- **3.** From Camera Operation, click on "Tool"-"Custom Reset". The "Custom Reset" dialog box appears as in Figure 8. (Current setting appears in the display.)
- Select your desired Custom Reset settings, then click on "Set" or "Set & Reset" to save the settings.
- * Click on "Set" to send the new settings to the F5 camera and change the Two-Button Reset setting on the camera.
- * Click on "Set & Reset" to send new settings to the F5 camera, change old settings and perform Two-Button Reset on the camera.
- * For details on specific functions, see "Help" menu.

Custom Reset		×
Exposure Mode	Flash Sync Mode	
P S A M	Norm Slow Rear	
Focus Area	Focus Area Mode	
[]	[] [+] Set	1
[]	Set & Reset Cance	

(Figure 8)

- Functions restricted in the "Custom Functions" dialog box cannot be selected.
- Functions selected in the "Custom Reset" dialog box can be restricted, but such restricted functions cannot be reset using the Two-Button Reset function.
- The selected focus area will be reset in any case.
- Photo Secretary's Custom Reset function allows you to reset all settings made on the F5 camera. (Custom settings, which can be selected only with Photo Secretary, cannot be reset with this function.)

Remote Operation

Camera functions can be set and controlled using the Photo Secretary "Remote" dialog box. The "Remote" dialog box offers menu plates named "Basic Settings" for normal shooting, and "AE SB BKT" and "Release" for Photo Technique Selection.

- * Photo Secretary's Remote Operation function cannot be used with Nikon Multi-Control Back MF-28's "Photo Technique Selection". Cancel "Photo Technique Selection" before using the Remote Operation function.
- 1. Connect the camera body and PC using the MC-33.
- 2. Turn on the camera power. The camera icon and ID number appear in the display, indicating that the camera is in Online mode. (If the icon and ID number do not appear in the display, click on "File" "Online".)
- **3.** From Camera Operation, click on "Tool"-"Remote" to access the "Remote" dialog box shown in Figure 9.

The first display shows the settings of the previous remote operation.

4. After selecting your desired functions and mode, click on "Release" on the dialog box or the shutter release button on the camera to perform remote operation. (You cannot select functions indicated as restricted in the "Custom Functions" dialog box.)

To start the Interval Timer, click on "Start" on the dialog box.

To stop operation, click on "Cancel".

To control several F5 cameras, click on "Release Option" and select release timing for the other cameras.

With the "Remote" dialog box appearing, the camera's current settings and status are displayed on the Camera Operation main window.

When all shots have been taken, all selected functions except Multiple exposure remain on the PC until a new selection is made.

* For details on specific functions, see "Help" menu.

lotes for Basic Remote Operation



(Figure 9)

23

Notes for Basic Remote Operation

- With "Remote" function active, the PC communicates with the camera to display current camera settings, and the shutter release button is held in the "lightly pressed" position. (Camera remains in Online mode as long as remote function is active.)
- The camera does not respond when you double-click on "Release" on the PC.

About Shutter Speed:

- The "Time" shutter speed will not operate if you select "Simultaneous" for "Release Timing for Second Camera" in the "Custom Functions" dialog box together with film advance mode "S".
- The shutter speed "Time" can only be selected with the "Bulb or Time selection" is set at "Time". To expose at shutter speed "Time", click on "Release" to open the "Time Release" dialog box (Figure 10), then click on "End" to close the shutter. (Bulb or Time cannot be set when using the self-timer. Self-timer cannot be set when Bulb or Time is already selected.)

Time	e Release		×
	TIME	Press End to stop release	
		End	

(Figure 10)

About Aperture

The aperture value in use depends on the attached lens. The lens aperture setting takes priority over settings made on Photo Secretary software. The "Remote" dialog box displays lens settings and status.

About Film Advance Mode

- To stop self-timer operation, change the film advance mode.
- In Command Release format, CH and CL film advance speed slows and the interval between shots will be uneven.

About AF Mode

With the focus mode selector set at M, neither AF-C or AF-S mode can be selected.

About Flash Sync Mode

With a SB-24, SB-25 or SB-26 attached to the camera, the Flash Sync Mode selected on the Speedlight has priority over the Photo Secretary setting.

About AE-L/AF-L

Click on "AE-L/AF-L" to lock auto exposure and autofocus. To cancel AE and AF lock, click on "AE-L/AF-L" or "Release" on the PC.

About AF-ON/Release

 With film advance mode set at Continuous Shooting and Command Release format selected, autofocus function remains active until you take the first exposure by clicking on "AF-ON". (AF function is also activated after you take the first exposure.)

Notes for Photo Technique Selection

About Auto Exposure Bracketing/Flash Exposure Bracketing

- When the bracketing direction is set at "+/-" after setting an even number of shots, one shot is automatically added to the selected number of shots.
- You cannot set the number of shots at an even number when the bracketing direction is set at "+/-".
- During remote operation, the shooting order does not follow the sequence set in the "Custom Functions" dialog box. When the shooting direction "0 – +" is selected, the center value is shot first, followed by a negative compensation value shot, then a positive compensation value shot.
- Settings for these functions remain active until the box for Auto Exposure Bracketing/ Flash Exposure Bracketing is deselected.

About Multiple Exposure

- Multiple Exposure can only be selected when Multiple Exposure is set at "Still on after release". (See the Film Operation menu plate in the "Custom Functions" dialog box, page 19.)
- To cancel Multiple Exposure, deselect the Multiple Exposure box after making desired number of exposures. The film then advances a frame.
- Settings for this function remain active until you deselect the Multiple Exposure box.

About Interval Timer

- If the date and time for the start of interval shooting have not been set, Photo Secretary triggers the camera to take the first shot immediately after clicking on "Start". Once the Interval Timer has started, the start date and time cannot be set.
- In Line Release format, to use the Interval Timer function, the film advance mode must be set at "S" (single-frame shooting).
- Interval Timer cannot be set with the shutter speed at "Bulb", but when set at Long Time Exposure function, the Interval Timer function can be used for an interval time ≥ Long Time Exposure duration + 2 sec.
- If the camera back opens or the film reaches the end of the roll during operation, Interval Timer operation is canceled.

About Long Time Exposure

- Usable only in "Manual" exposure mode and "Time" shutter speed settings.
- If the MC-33 is disconnected from the camera or PC during Long Time Exposure, the camera shutter remains open as long as shutter speed is set at "Time". To close the shutter, depress shutter release button or turn off the camera power.
- Long Time Exposure is deactivated with the press of the shutter release button during operation. Depressing the shutter release button before shooting the exposure activates shutter speed "Time".
- The settings for this function remain active until you deselect the "Long Time Exposure" box.

About Focus-Priority AF

• Settings for this function remain active until you deselect the Focus-Priority AF box.

Combining Functions

Functions can be combined under the following conditions.

Interval Timer

- Combined with Long Time Exposure function If a Long Time Exposure is set and the interval time is shorter than the Long Time Exposure duration + 2 seconds, Interval Timer will not be set.
- Combined with Auto Exposure Bracketing or Flash Exposure Bracketing The number of shots set for bracketed shooting have priority over those for Interval Timer shooting.

When Multi-Control Back MF-28 is attached to the camera body, Photo Technique Selection is set by the Photo Secretary prior to the selection set by the MF-28.

When prolonged shutter speed is selected using Auto Exposure Bracketing, the shutter speed in Bracketing does not vary.

When flash sync speed is selected in Manual exposure mode at "X", the shutter speed in Bracketing does not vary.

Program Shooting

You can select one of the following program modes and functions when you wish to control the camera under special shooting conditions (i.e. for medical to scientific research).

Photo Secretary for the F5 lets you set programs containing up to 100 steps. To create a new program, first click on "Tool"-"Program" from Camera Operation to open the dialog box (see Figure 11). Then click on "OK" to make the Program window appear (as in Figure 12).



(Figure 11)

Untitled - Program			- 🗆 ×
File Edit View Lool Help			
Mark Order Camera Time Interval ID Time	Number of Multiple Metering Shots Exposure System	Exposure Flash Sync Shutter Aper Mode Mode Speed	Compensation Compensatic
	i i		
			1.1.1
1			
			لغي ا
For Help, press F1			NUM //

(Figure 12)

Editing Program

- 1. To edit program file, click on "Open" from the Program window, then open the desired program file. (To edit or create program files only, you do not need to connect the camera and PC.)
 - * Film speed and AF mode cannot be set in Program window. To change these settings, first select the film speed and AF mode in "Remote" dialog box. (See page 23.)
- Select the programmed sequence you want to edit, then click on "Tool"-"Edit Program" in the Program window or double click on the desired line. The "Edit Program" dialog box appears (as in Figure 13).

Edit Program - 1		×
Camera ID		BORDARI DE LA CALINA BORDARI DE LA CALINA BORDARI DE LA CALINA BORDARI DE LA CALINA
Time	Delay Time N	Number of Shots
Month Day Hour Min. Sec.	Hour Min. Sec.	
Metering System	Shutter Speed Ar	perture
Exposure Mode		
PSAM		
Flash Sync Mode		
Norm Slow Rear		ОК
Multiple Exposure		1
•		Cancel

(Figure 13)

The following items will be displayed in the "Edit Program" dialog box:

- Camera ID
- Time (Start time)
- Delay Time (interval between shooting operations)
- Number of Shots
- Metering System
- Shutter Speed

- Aperture
- Exposure Mode
- Exposure Compensation
- Flash Sync mode
- Flash Output Level Compensation
- Multiple Exposure

3. Select the desired settings, then click on "OK". Updated programmed sequence appears in the Program window.

To save a new program as a file, click on "Save" or "Save As" in the Program window.

* For details on specific functions, see "Help" menu.

- The number of shooting orders will be set automatically. You cannot change this number.
- "Time" can be set only for the starting programmed sequence (the first programmed sequence or the programmed sequence marked "S"). The date and time set on the PC will be used. To start program shooting immediately after clicking on "Tool" -"Run", input a just-elapsed time. (i.e., two minutes earlier than current time.)
- Delay time commences from the start of the previous programmed sequence (previous shot). Delay time cannot be set for the starting programmed sequence (first shot).
- When you set the number of shots to 1 for multiple exposure shooting in one programmed sequence, the film will advance after the shooting of the next programmed sequence is complete.
- Shutter speeds X, bulb and Time cannot be selected.
- With the SB-24, SB-25 or SB-26 attached to the camera, the flash sync mode selected on the Speedlight takes priority over the setting on Photo Secretary.
- When a different Flash Output Level Compensation value is set on the Speedlight, the Flash Output Level Compensation is adjusted to accommodate the total Speedlight and Photo Secretary setting values.

Setting Shooting Order Options

erforming Program Shooting

Shooting Order Options enables you to perform shootings using only your desired programmed sequences, or repeat shooting operations of desired programmed sequences.

Select your desired shooting order options in the "Control" dialog box.

1. Select your desired shooting programmed sequence. Click on "Tool"-"Control" in the Program window to open the "Control" dialog box in Figure 14.

lark	Clear -]
		ОК
imes	1	a service provide
		Cancel

(Figure 14)

The following shooting order options can be set in the "Control" dialog box:

- Mark: S Start shooting operation from the programmed sequence with "S".
 - R Repeat shooting operations to the programmed sequence with "R".
 - **B** Repeat shooting operations from the programmed sequence with "B".
 - E Stop shooting operation with the programmed sequence with "E".
- Times: Set the number of times the selected programmed sequences are to be repeated.
- 2. After selecting the desired order, click on "OK".

Performing Program Shooting

Photo Secretary offers two program shooting modes:

Program shooting using "Run" function (Activates all programmed sequences.) Program shooting using "Step" function (Activates only the selected programmed sequence.)

Perform program shooting using "Run"

Click on "Tool" - "Run" in the Program window. Start control, and shoot according to order.

To shoot, depress the shutter release button, or click on "AF Start/Release" in the "Tool" menu. (Shootings will be performed at the dates and times set in the program.) After starting operation, an indication appears in the window during exposures.

Shooting follows the programmed date and time or the delay time. If the date and time for shooting or delay time are not programmed, shooting occurs by clicking on "Tool" - "Release" or pressing the shutter release button. ("Release" command and shutter release button have priority over programmed shooting date and time.)

- If the camera does not start shooting within 7.5 sec. after the release command is sent from the PC, Photo Secretary cancels the programmed sequence and starts shooting in accordance with the next programmed sequence.
- If the time for the next programmed sequence comes during the shooting operation, Photo Secretary cancels the coming programmed sequence and continues the current operation.

Execute program shooting using "Step".

Execute only the selected programmed sequence.

Select a desired programmed sequence and click on "Tool" - "Step" in the Program window.

To shoot, depress the shutter release button, or click on "AF Start/Release" in the "Tool" menu. (Shootings will be performed at the dates and times set in the program.) After starting operation, an indication appears in the window during exposures.

Shooting occurs following the programmed date and time or the delay time. If the shooting date and time or delay time are not programmed, shooting is triggered by clicking on "Tool" - "Release" or pressing the shutter release button. ("Release" command and the shutter release button have priority over programmed shooting date and time.)

Note:

• If the camera does not start shooting operation within 7.5 sec. after the release command is sent from the PC, all program operations are canceled.

To interrupt program shooting

- To interrupt program shooting, click on "Tool" "Stop" in the Program window.
- To resume an interrupted operation from the interrupted programmed sequence, click on "Tool" "Continue" in the Program window.
- If you perform an operation other than "Continue" in the Program window after interrupting program shooting, Photo Secretary terminates program shooting.

- 3D Color Matrix Metering system can be used only with lenses having a built-in CPU. If you select Matrix Metering with a non-CPU lens, Photo Secretary automatically switches to Center-Weighted Metering.
- With a non-CPU lens, Programmed Auto and Shutter-Priority Auto exposure modes cannot be used. In such cases, Photo Secretary selects Aperture-Priority Auto exposure mode.
- If the camera is unable to control the aperture (because a non-CPU lens is attached to the camera or the lens' aperture is not set to its minimum position), Photo Secretary will use the aperture set on the lens.
- If your selected aperture is beyond the controlled range, the F5 automatically adjusts to the nearest proper value.
- In the "Edit Program" dialog box, although you can select functions and modes restricted in the "Custom Functions" dialog box, the actual program shooting will be executed according to restrictions set in the "Custom Functions" dialog box.
- Interrupting (via the pc) a programmed Multiple Exposure shooting set with Photo Secretary will not affect the camera's Multiple Exposure setting.

Loading Shooting Data from Camera

Photo Secretary for the F5 allows you to select shooting data to be stored in the camera, load shooting data from camera to PC, and display and edit shooting data. In Camera Operation, you can select data items to be stored and load shooting data from the camera. To edit this data, see page 44.

Selecting Data to Be Stored

The F5 offers two types of shooting data — frame data and film data. Frame data is information about each frame. Film data is about each film roll. Select data to be stored by Photo Secretary using the "Custom Functions" dialog box. The selection appears after a new film roll is loaded and before it advances to frame #1.

- 1. Connect camera body to PC using the MC-33 cable.
- 2. Turn on the camera power.
- **3.** In Camera Operation, click on "Tool"-"Custom Functions". You will see the "Custom Functions" dialog box shown in Figure 15.
- Select the shooting data you wish to store (from types A to D) in the "Shooting Data" plate (type A is the default setting).
- * For details about storing data, see "Help" menu.

- Only data selected in the "Custom Functions" dialog box will be stored in the camera.
- Shooting data cannot be stored unless a film roll is loaded.
- You cannot store data for "Year/Month/Day/Hour/Minute/Second" or data containing characters, unless the MF-28 is attached to the camera.
- For Multiple Exposure shooting, all selected data will be stored at the first exposure, and after that only data of type A will be stored.
- Shooting data will be always stored when film is loaded; your F5 camera will store data even during test shooting.
- Shooting data stored in the camera is deleted only when it is downloaded to the PC or replaced with new data. When the camera's memory is full, you can select the action to take using the "Shooting Data" menu plate in the "Custom Functions" dialog box.
- The "Custom Functions" dialog box enables you to activate full-memory alert (blinking PC symbol).
- Selecting "Replaced with New Data" replaces old data with new data, which then activates the blinking full-memory alert. Frequent downloading of shooting data is recommended.
- If you change the ISO film speed after advancing the film to frame #1, the new data will not be stored.

al/Buttons Release Film Operation AF	Exposure/SB	Shooting Data	Function Settings
Shooting data to be stored	* A	-	
Deleting Shooting Data	* From old data	•	
Shooting Data Indication	* Not Displayed	·	
Data Imprinting on Frame #0	* Disabled	-	

(Figure 15)

Contents of data to be stored and data storing capacity

Type of data to be stored	Contents	Data storing capacity
1	Shutter speed, aperture, lens' focal length. maximum aperture	approx. 78 rolls
2	Year/month/day/hour/minute/second	approx. 36 rolls
3	Imprint data between frames	approx. 12 rolls
4	Metering mode, exposure mode, sync mode, deviation from the correct exposure value and exposure compensation value in manual mode	approx. 10 rolls (39 rolls, without MF-28)

* When using 36-exposure film. Data storage capacity varies according to number of shootings and/or multiple exposure shooting.

Select A in the "Custom Functions" dialog box to store data for (1, B=(1+2); C=(1+2+3); and D=(1+2+3+4).

Data for (2) and (3) can be stored only when the Multi Control Back MF-28 is attached. Storage capacity for the F5 can be increased. To add data storage memory, ask your Nikon dealer.

Loading Shooting Data from Camera to Photo Secretary

Downloaded shooting data will be stored in the selected folder as a file, with a file name consisting of camera ID number, film number and "f5".

Selecting "Enable" for "Data Imprinting on Frame #0" in the "Custom Functions" dialog box enables you to automatically imprint the same film number used for the stored shooting data on frame #0.

Shooting Data			
Shooting Data Folder			
C:\Program Files\Niko	n\Photo Seci	etary for F5\PR	Browse
	d ALL	Cancel	

(Figure 16)

- 1. Connect camera body to PC using the MC-33 cable.
- 2. Turn on the camera power.
- 3. In Camera Operation, click on "Tool" "Shooting Data ...". You will see the "Load Shooting Data" dialog box shown in Figure 16. (You can also download shooting data from Film Manager module.)
- 4. Click on "Load All" on the dialog box.

5. Each item of shooting data will be transferred to your PC as a file. After downloading, the "Delete Shooting Data" dialog box in Figure 17 will request confirmation that you intend to delete shooting data stored in the camera. To do so, click on "Delete."



(Figure 17)

- You cannot display or edit shooting data in the Camera Operation module. To display and edit shooting data, open the Film Manager module by selecting "Program" - "Nikon Photo Secretary for F5" from the start menu, then clicking on "Film Manager." (See page 40.)
- Pressing the shutter release button on the camera while downloading shooting data to the PC, terminates the download and deletes any data downloaded to the PC. To access deleted data, click on "Tool" "Shooting Data..." once again.

Viewing Status Data

Displaying camera status in the Photo Secretary window.

Displaying Metering Status

- 1. Connect camera body to PC using the MC-33 cable.
- 2. Turn on the camera power.
- 3. In Camera Operation, click on "Tool"-"Metering Status" and confirm the Color/Brightness Pattern display, as shown in Figure 18. Metering status is indicated using more than 256 colors, in 12 x 20 cells, utilizing information from the camera. After changing the subject, click on "More" to update the display.
- 4. To change the displayed metering status contrast, use the slider below the display.

- This function can be used only with the Multi-Meter Finder DP-30.
- The displayed color data and number of cells are processed to match the PC's CRT.

Color / Brightnes	s Pattern		×
	리머머머		
	JEEL		
		More	XIT

(Figure 18)

Checking the Camera's Location

Lets blink the alert LED of the selected camera, to check communicating status, or camera's location.

- 1. Connect camera body to PC using the MC-33 cable.
- 2. Turn on the camera power.
- In Camera Operation, click on "Tool"-"Location Check". You will see the dialog box shown in Figure 19.

The ID number of the selected camera will appear. Clicking on "Check" causes the alert LED on the selected camera to blink for one second.

* For details about a specific function, see "Help" menu.

Location Check	×
Alert LED on the Selected Camera Lights up f	or 1sec.
ID of the selected camera 255	
Check Ca	ncel

(Figure 19)

FILM MANAGER -

The Film Manager module allows you to load shooting data from camera to PC and display and edit shooting data.

To open the Film Manager module, select "Program" - "Nikon Photo Secretary for F5" from the start menu, then click on "Film Manager."

* In Film Manager, you cannot select the data to be stored by Photo Secretary. Select your desired data using the "Custom Functions" dialog box. (For details about data selection, see page 34.)

Configuration

The "Configuration" dialog box enables you to choose Photo Secretary's configuration settings without turning on the camera.

1. Open Photo Secretary's Film Manager module.

Click on "Tool"-"Configuration" to access the "Configuration" dialog box shown in Figure 20.

- 2. After choosing your settings, click on "Exit" to save the configuration.
- * For details about specific items, see the "Help" menu.

ontig	uration	
Comm	unication Port	COM1 -
Minimu	m Number for ID search	1
Maxim	um Number for ID search	10
Shooti	ng Data Folder	
am Fil	es\Nikon\Photo Secretary f	or F5\PROGRAM Brow
Displa	y Item in Text View	
	Frame Count & Date	-
Shutter Speed & Ape		
	Shutter Speed & Apertu	e 💽
	Shutter Speed & Apertur Metering System	e •
	Shutter Speed & Apertui Metering System EV Difference in Manua	e 💉
	Shutter Speed & Apertur Metering System EV Difference in Manua Data Imprinting	e I Exposure Mode
Horizo	Shutter Speed & Apertu Metering System EV Difference in Manua Data Imprinting	e
Horizo First Fi	Shutter Speed & Apertu Metering System EV Difference in Manua Data Imprinting	e Exposure Mode 6 frames 1

(Figure 20)

Loading Shooting Data from the Camera

Loading Shooting Data from the Camera to Photo Secretary.

- 1. Connect camera body to PC using the MC-33 cable.
- 2. Turn on the camera power.
- **3.** In Film Manager, click on "Tool" "Load Shooting Data" to access the "Load Shooting Data" dialog box in Figure 21.

PORT1	Shooting Data Folder
255	C:\Program Files\Nikon\Photo Secretary for F5\P Browse.
	All shooting data(except data of the film in use) is downloaded, then deleted from camera's memory.
	1 Camera's Found

(Figure 21)

4. Click on "Load" on the dialog box.

If you see "0 Camera's found" on the dialog box in Figure 21, you have not established a link with your camera. Check your cable link connections and communications port settings (see "Configuration", page 40).

5. Each item of shooting data will be transferred and stored to your PC as a file, with a file name consisting of "F5," the camera ID number and film number. To display shooting data, click on "File" - "Open" (see page 43).

After downloading shooting data from the camera to the PC, the dialog box in Figure 22 will appear, allowing you to confirm your intention to delete shooting data stored in the camera. To do so, click on "Delete."

ata of the film in use) is
mera's memory ?
Cancal

(Figure 22)

* For details on specific items, see "Help" menu.

Viewing Shooting Data Files

In Film Manager, click on "File" - "Open" to access the "Open" dialog box shown in Figure 23. Select your desired file and click on "Open," or double-click on the icon, to display the data. (Only files in Film Manager file format can be read by Photo Secretary.)

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	0040339.15 0040340.15		
0040335.	5 10040341.15		
0040336.1	5 🗊 0040342.f5		
D 0040337.1	5		
File <u>n</u> ame:	0040333.ŕ5		<u>O</u> pen
	Nikon E5 Photo Shooting Dat	a (*.F5)	Cancel

(Figure 23)

Photo Secretary allows you to select the display format of shooting data: Thumbnail & Text, Text, or List. To change the format, click on "View" followed by "Thumbnail & Text," "Text," or "List." Each format displays the film title, with comments about film and frames appearing next to the downloaded data. You can edit or add data to any given item. (See page 44.)

* For details on the different display format, see "Help" menu

Editing Data Files

Photo Secretary enables you to edit data files and link data to image data.

Editing Film Data

 Display data files you intend to edit by clicking on "File" - "Open" in Film Manager. Then click on "Tool" - "Edit Film" and you will see the "Edit Film Data" dialog box in Figure 24.

Choose your desired display format for shooting data (see page 43).

First Frame	Horizontal Frame
1	6
OK	
	First Frame

(Figure 24)

- Input or correct the film title, comments, or film speed in the dialog box. You can also change the display position of the first frame and the number of frames in the horizontal line.
- 3. After making your changes, click on "OK" on the dialog box.
- * For details on specific functions, see "Help" menu.

Editing Frame Data

 Display data files by clicking on "File" - "Open" in Film Manager. Select the frame you wish to edit and click on "Tool" - "Edit Frame", or double-click on the frame you wish to edit. You will see the "Edit Frame Data" dialog box in Figure 25.

rame		Shutter Speed		Aperture		
	1	250	•	F5.6	•	OK
		Focal Length		Maximum Aperture	•	Cancel
Meteri RS	ing Syster	n Aatrix		Exposure . Flash Compensation	EV Diff Manual	erence in Exposure Mode
Expos	ure Mode			Flash Sync Mode		
Ρ	Program	n Exposure	•	Normal		•
Day	Month -	Day - Year	Time	Hour - Min - Se	9 C .	
Data I	mprinting					<u></u>
1						
Comm	ient					

(Figure 25)

- **2.** Edit the frame data, then click on "OK" on the dialog box. (Deleting any item causes frame data to revert to the original data.)
- * For details on specific functions, see "Help" menu.

Linking Images to Shooting Data

- Display desired data files by clicking on "File" "Open" in Film Manager, then select "Thumbnail & Text" from "View" to display the data in Thumbnail & Text format.
- 2. Select the frame to which you want to link an image.
- Click on "Tool" "Photo Finder" to display the PhotoFinder window shown in Figure 26.

© Untitled - PhotoFinder	
File Edit View Tool Help	
For Help, press F1	NUM

(Figure 26)

4. By clicking on "File" - "Open" in the PhotoFinder window, you can download image data from a scanner, which you want to link with your desired shooting data, or select a BMP file or image data that is on photo CD.

PhotoFinder		>
Save ch	anges to the c	document
		1 1
<u>Les</u>	No	Lancel

(Figure 27)

5. Click on "File" - "Exit" in PhotoFinder. The dialog box in Figure 27 will appear. Click on "Yes" to link the image data to the selected frame of shooting data.

Images linked to frame data can be moved to other frames in the same shooting data by dragging.

To view the source of a linked image, click on "Tool" - "Photo Finder."

* For details on specific functions, see "Help" menu.

Finding Shooting Data

Search through shooting data by inputting keywords, without having to open files.

- 1. Click on "File" "Find" in Film Manager to display the "Find Data" dialog box in Figure 28.
- 2. Input characters you are searching for in the boxes for Film Number, Film Keyword, Day, Time or Frame Keyword.
- Click on "Find" on the dialog box to start searching for items located in the folder indicated in the Folder box.
- **4.** To open a found file, double-click on the name of the found file (shown as a result of the search).
- * For details on specific functions, see "Help" menu.

- Search operations are normally performed with a character string. To search files by word, check the "type in the word" box on the dialog box.
- Searches are case sensitive, distinguishing between capital and lower case letters unless you check "ignore case" on the dialog box.

C:¥Program Files¥Nikon¥Photo Se	cretary for F5¥PROGRAM	Browse.
Film Search Film Number		Find
		Stop
Film Keyword		Jump
		Exit
Frame Search Day = Frame Keyword	Time =	
Find Result :	T type in the word T	ignore cas

Converting Data Files

To convert files or frames to text format for use in other programs or applications, use the "Tool" - "Convert Data" function. When saving data as delimited text, the first line of text will always be film data, and the data will be separated with commas.

- Display data files by clicking on "File" "Open" in Film Manager. Select the frames you wish to convert to text format. In Film Manager, click on "Tool" - "Convert Data" to open the "Convert Data" dialog box in Figure 29.
- 2. Input a file name, and then click on "Save" on the dialog box.

onvert Data			? ×
Save jn:	Program	• • •	\$=\$= III
≝) 0040332.t	xt		
File <u>n</u> ame:	0040333.txt		Save

(Figure 29)

* For details on specific functions, see "Help" menu.

Printing from Photo Secretary

Photo Secretary allows you to printout one shooting data file in List View mode. Photo Secretary uses the standard Windows® printing system. As a Windows® user, you should be familiar with the use of "Print" dialog boxes you will see in Photo Secretary. Photo Secretary supports very basic printing.

Shooting data files will be printed according to the display format:

• Thumbnail & Text—prints out thumbnail images as displayed in Figure 30.



(Figure 30)

• Text-prints out shooting data as displayed in Figure 31.

CameralD = 255 Film No. = 101 Downloaded at 11/24/1996

nent					
00000000	0000.00000000	0000000000	00000000000	0000\$0000	0000000000
[1] 125, F5.6 70, F4.5 Program Exposure Color Matrix	[2] 125, F5.6 70, F4.5 Program Exposure Color Hatrix	[2] 125, F5.6 70, F4.5 Program Exposure Color Hatrix	[4] 160, PS.3 70, P4.5 Program Exponure Color Hatrix	[5] 160, FS.2 70, F4.5 Program Exposure Color Matrix	[6] 160, FS.3 70, F4.5 Program Exposure Color Materix
0 0 0 0 0 0 0 0	000000000	000000000	000000000	000000000	00000000
0 0 0 10 0 0 0 (7) 164, 78.2 70, 74.5 Program Exponent Color Materix	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0) 0 0 0 90 0 0 0 [9] 125, F5.6 35, F2.2 Program Exposure Color Hatrix	D 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 000 0	(L1) (L1) 128, F5.6 35, F2.3 Program Deposure Color Matrix
0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	000000000	000000000	000000000	0000000

(Figure 31)

• List-prints out shooting data as a list (see Figure 32).

CameralD = 255 Film No. = 101 Downloaded at 11/24/1996

Film Title

Film Title

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	38	F6.3	11	F4.5		Color Hatras	freque Dpamer	Formal								
		F6.3	11	F4.5		Calor Hatras	fergan Dysmen	Bornal		•						
		FS. 3	11	F4.5		Calor Hatrax	fergan Dysmen	Banal	Section 1	1						
		F6.3	11	F4.5		Calor Hatras	Fesgan Dynamia	Renal		· .						
	18	FE. 3	u	F1.5		Calor Hatras	Fregar Dysme	Renal								
	125	F5.6	35	F3.3		Calor Hatras	Fergas Dyname	Normal	이 방법은 영	1.00						
	125	15.6	35	13.3		Calor Hatras	Freque Dynama	Barnal	1.000							

To view the page as it will be printed, click on "Tool" - "Print Preview" in Film Manager.

When captions are included, orient the paper horizontally (A) in the "Print Setup" dialog box.

PAGE: 1

Film Speed 100

PAGE: 1

Film Speed 100

PHOTO FINDER —

Photo Finder allows you to shift or rotate images and link them to shooting data. To open the Photo Finder module, select "Program" - "Nikon Photo Secretary for F5" from the start menu, then click on "Photo Finder."

🙄 Untitled - PhotoFinder		- C ×
<u>File Edit View Tool H</u> elp		
annual annual annual annual annual		
[
]		http://
For Help, press F1		NUM

(Figure 33)

The Photo Finder module:

- Opens and displays BMP files.
- Downloads images from a scanner to the PC.
- Downloads images from a photo CD to the PC.
- Rotates displayed images 90 degrees to the right or left.
- Stores original image data in the PC in BMP format.
- Prints out displayed images.

* For details on specific functions, see "Help" menu.

KEYBOARD SHORTCUTS

Nikon Photo Secretary for F5 offers the following keyboard shortcuts

1. General Windows® 95 keys

ALT+TAB: Shift window to the right or downward.

ALT+SHIFT+TAB: Shift window to the left or upward.

ALT+SPACE: Display system menu bar for current window.

ALT+ designated character key:

Selects the corresponding menu from the system menu bar of the current window. (Press the underlined character key in the system menu bar.)

2. For Photo Secretary for F5 keys

- ⇐ Shift the menu selection to the left.
- \Rightarrow Shift the menu selection to the right.
- ↑ Shift the menu selection upward.
- ↓ Shift the menu selection downward.
- Perform the selected command.

ESCAPE: Cancel the selected menu.

3. For dialog boxes

TAB: Move downward through options.

SHIFT+TAB: Move upward through options.

SPACE: Confirm the selected control button.

RETURN: Perform the operation using the default setting.

- Shift the check box for the selected option to the left and move the selected slider to the left. When a tab on the dialog box is selected, open the page to left of the selected tab.
- ⇒ Shift the check box for the selected option to the right and move the selected slider to the right. When a tab on the dialog box is selected, open the page to right of the selected tab.
- ↑ Shift the currently active check box/numerical value upward.
- ↓ Shift the currently active check box/numerical value downward.





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FUJI BLDG., 2-3, MARUNOUCHI 3-CHOME, CHIYODA-KU, TOKYO 100, JAPAN PHONE: 81-3-3214-5311 TELEX: NIKON J22601 FAX: 81-3-3201-5856

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