

User's Manual

EIZO EcoView NET™

Power Management Software

Important

Please read this User's Manual carefully to familiarize yourself with safe and effective usage.

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- The latest User's Manual is available for download from our site:
<http://www.eizo.com>
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About this Manual

This manual describes the features, installation and use of the EIZO EcoView NET LCD monitor power management software.

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1. Introduction

EIZO EcoView NET is a software that enables you to centrally operate and manage the power and screen brightness of monitors connected to client computers on the network (“client monitors”) from a single server computer.

1-1. Features

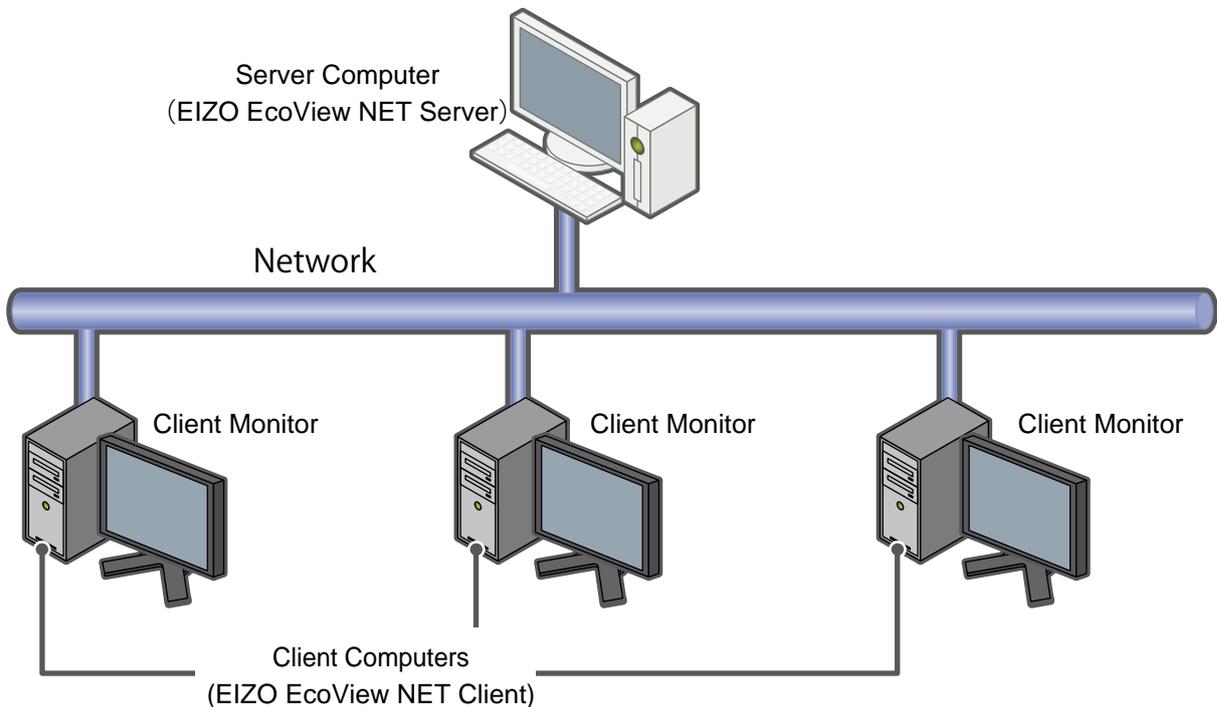
- Monitor Remote Management*¹
 - Centrally operates and manages the power, Auto EcoView features and brightness of up to 2,000 monitors.
 - Available to register the monitor installing location and its ID number respectively.
 - Output monitor information to a file as a list in CSV format.
- Power ON/OFF schedule
 - Turns the monitor power on and off at specified time and day.
- Power ON setting*²
 - Turn the monitor power back on when the mouse is operated.
- Supports DDC/CI control
 - Supports DDC/CI control for two-way communication between the computer and monitor via the signal cable. There is no need to connect any cables but the signal cable and power cable.

*1 The power consumption of the client monitor at the power on/off and in the sleep mode is different from the descriptions in the user’s manual of the monitor for realizing the availability of the remote management function.

*2 This is a setting in EIZO EcoView NET Client (client software). (See “4-3. Power On Setting” (page 25))

1-2. System Configuration

EIZO EcoView NET consists of two software: [EIZO EcoView NET Server] and [EIZO EcoView NET Client]. The system configuration is as follows.



Server Computer	The [EIZO EcoView NET Server] software is installed. Manages and operates the client monitors.
Client Computer	The [EIZO EcoView NET Client] software is installed. Controls their monitors via commands from the server computer (up to 1,000 client computers can be connected).
Client Monitor	Managed monitor (up to 2,000 monitors can be managed).

1-3. System Requirements

Below are the system requirements for using EIZO EcoView NET.

Server Computer

- Operating System (OS):
 - Microsoft Windows Vista (32 bit)
 - Microsoft Windows Server 2003 (32 bit)
 - Microsoft Windows Server 2008 (32 bit)

Note

- To use the software on Microsoft Windows Server 2003, you must first install the Microsoft .NET Framework 2.0.
 - It is recommended to set the fixed IP address.
-

Client Computer

- Operating System (OS):
 - Microsoft Windows XP (32 bit)
 - Microsoft Windows Vista (32 bit)
- Supported Monitors (Client Monitors):
 - DDC/CI extended command-compatible EIZO FlexScan LCD monitors

Note

- ScreenManager Pro (for LCD (DDC/CI), for LCD, for Medical) cannot be used with EIZO EcoView NET at the same time.
 - ScreenManager Pro (for LCD (DDC/CI), for LCD, for Medical) is uninstalled when installing EIZO EcoView NET Client.
-

2. Setting Up EIZO EcoView NET

The EIZO EcoView NET setup sequence is described below.

2-1. Setting Up the Server Computer (page 8)

- Installing EIZO EcoView NET Server
- Configuring Network



2-2. Setting Up the Client Computer (page 11)

- Installing EIZO EcoView NET Client
- Configuring Network



2-3. Refreshing Monitor Information (Server Computer) (page 13)

Note

- The user account to be used for installing EIZO EcoView NET Server and EIZO EcoView NET Client must have the “Administrators” privilege.
 - For user account privilege settings, contact your system administrator.
-

2-1. Setting Up the Server Computer

Installing EIZO EcoView NET Server

1 Open the Launcher.exe by double-clicking

The start menu opens.

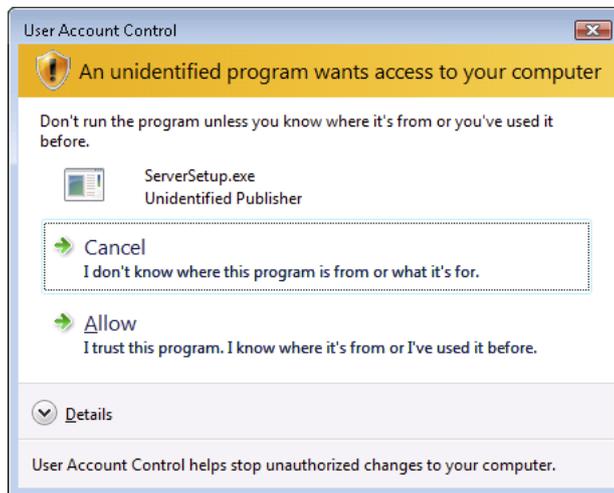
2 Click [EIZO EcoView NET Server]

3 Click [Install]

The setup wizard starts. Follow the on-screen instructions to install the software.

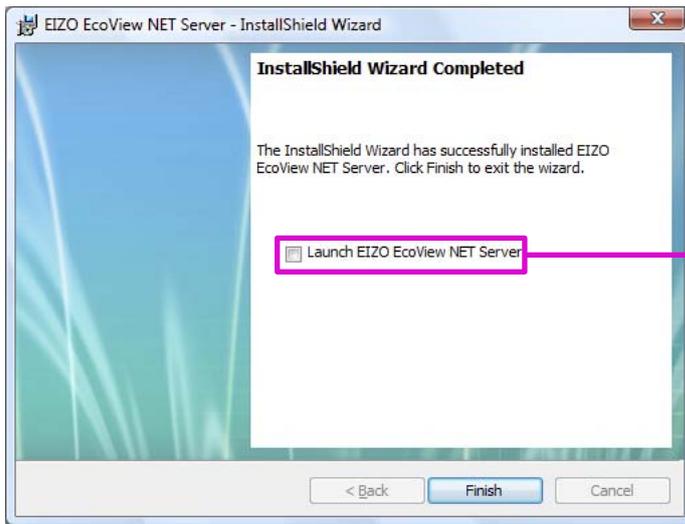
Tips

- If your OS is Windows Vista, the “User Account Control” dialog box may appear.*
Click [Allow] to open the menu.



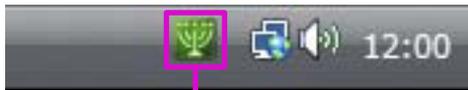
*: The “User Account Control” dialog box does not appear depending on the setting.

After the installation completes, the following screen appears. Click the “Launch EIZO EcoView NET Server” checkbox when performing the network setting continuously.



Click the checkbox when performing the network setting continuously

When EIZO EcoView NET Server starts, the icon appears in the notification area.



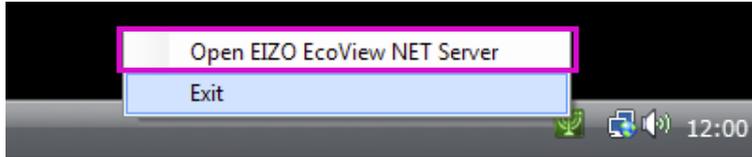
EIZO EcoView NET Server icon

Configuring Network

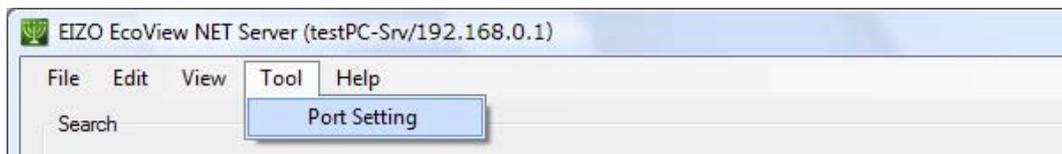
1 Open the EIZO EcoView NET Server main window

If the EIZO EcoView NET Server is not started yet, select [Start] - [(All) Programs] - [EIZO] - [EIZO EcoView NET Server] - [EIZO EcoView NET Server] to start it.

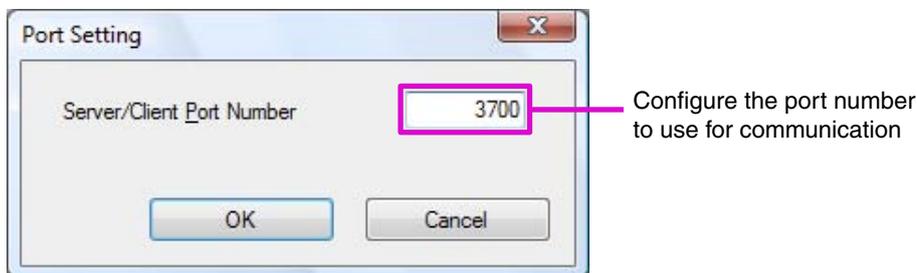
Then double click the EIZO EcoView NET Server icon in the notification area, or select “Open EIZO EcoView NET Server” by right-clicking the icon.



2 After the EIZO EcoView NET Server main window appears, from the menu bar, select [Tool]-[Port Setting]



3 After the “Port Setting” dialog box appears, configure the Server/Client port number



Tips

- When setting up a client computer (see “2-2. Setting Up the Client Computer” (page 11)), you must specify the port number you specified here.
We recommend writing down this number as necessary.

4 Click [OK]

The port settings are enabled.

Continuously, set up the client computers.

2-2. Setting Up the Client Computer

Set up EIZO EcoView NET Client on all computers to which monitors to be managed are connected.

Installing EIZO EcoView NET Client

1 Open the Launcher.exe by double-clicking

The start menu opens.

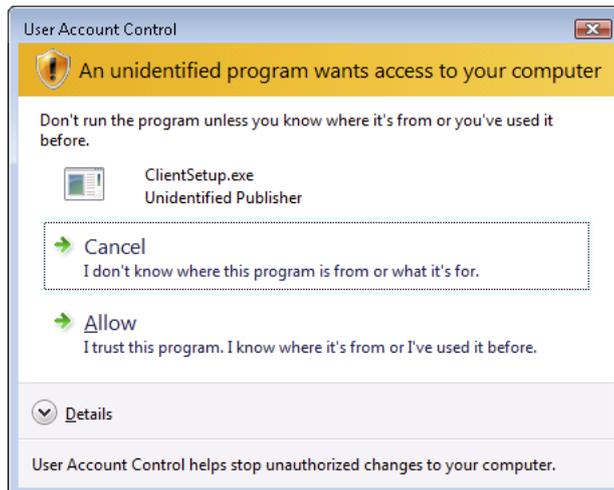
2 Click [EIZO EcoView NET Client]

3 Click [Install]

The setup wizard starts. Follow the on-screen instructions to install the software.

Tips

- The “User Account Control” dialog box may appear.*
Click [Allow] to open the menu.



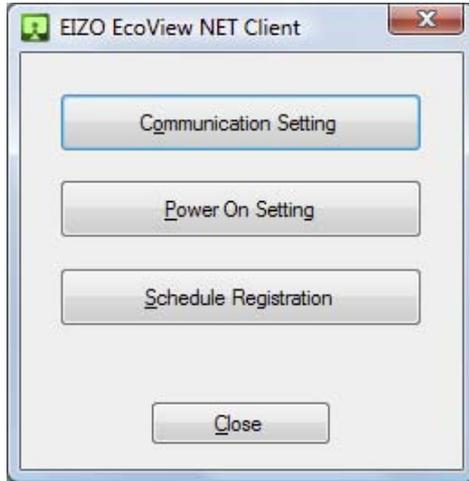
*: The “User Account Control” dialog box does not appear depending on the setting.

Configuring Network

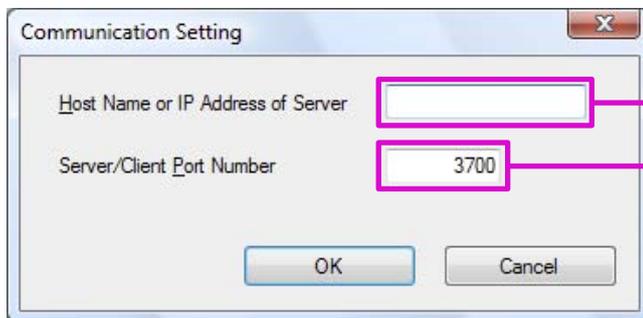
1 Start EIZO EcoView NET Client

Select [Start] - [(All) Programs] - [EIZO] - [EIZO EcoView NET Client] - [EIZO EcoView NET Client].

2 After the EIZO EcoView NET Client setup window appears, click [Communication Setting]



3 After the “Communication Setting” dialog box appears, configure the host name or IP address of the server computer and Server/Client port number



Enter the host name or IP address of the server computer that you configured in “2-1 Setting Up the Server Computer” (page 8)

Enter the Server/Client port number
Enter the same port number as the one you entered on the server computer in “Configuring Network” (page 10)

4 Click [OK]

The communication settings are enabled. After you have finished setting up all the client computers, go on to “2-3. Refreshing Monitor Information” (page 13).

2-3. Refreshing Monitor Information

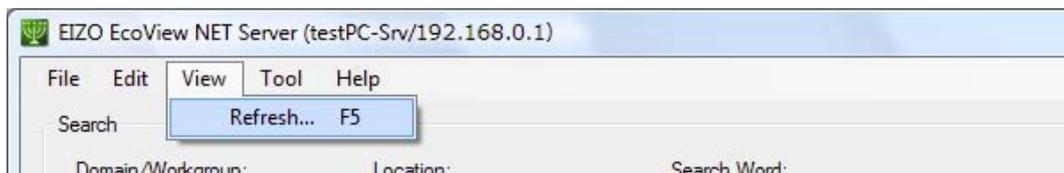
Refresh the client monitor information displayed on the server computer (in EIZO EcoView NET Server).

1 Open the EIZO EcoView NET Server main window

Proceed the step 2 if the main window is displayed.

If not, double click EIZO EcoView NET Server icon in the notification area, or select “Open EIZO EcoView NET Server” by right-clicking the icon.

2 After the EIZO EcoView NET Server main window appears, from the menu bar, select [View]-[Refresh]



Tips

- This action may take a few minutes, depending on the number of connected client computers.

This completes the setup of EIZO EcoView NET.

2-4. Uninstallation

Uninstall EIZO EcoView NET Server from the server computer and EIZO EcoView NET Client from the various client computers.

Uninstalling EIZO EcoView NET Server

- 1 On the server computer, open the [Control Panel], and then from [Programs], click [Uninstall Program]
- 2 From the list, select “EIZO EcoView NET Server”, then click [Uninstall]

Uninstalling EIZO EcoView NET Client

- 1 On the client computer, open the [Control Panel], and then from [Programs], click [Uninstall Program]
- 2 From the list, select “EIZO EcoView NET Client”, then click [Uninstall]

3. EIZO EcoView NET Server

EIZO EcoView NET Server is a system-resident software to operate and control all client monitors with non-piped mode operation from the server computer.

3-1. Startup and Exit

Startup

The software starts automatically after the system startup. When opening the main window, double click EIZO EcoView NET Server icon in the notification area, or select “Open EIZO EcoView NET Server” by right-clicking the icon.

Exit

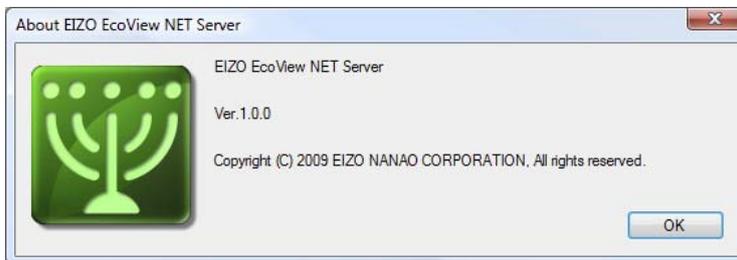
Select “EXIT” by right-clicking the EIZO EcoView NET Server icon in the notification area.

Note

- Usually, it is not required to exit the EIZO EcoView NET Server.
 - When exiting the EIZO EcoView NET Server, the server computer cannot communicate with the EIZO EcoView NET Client.
-

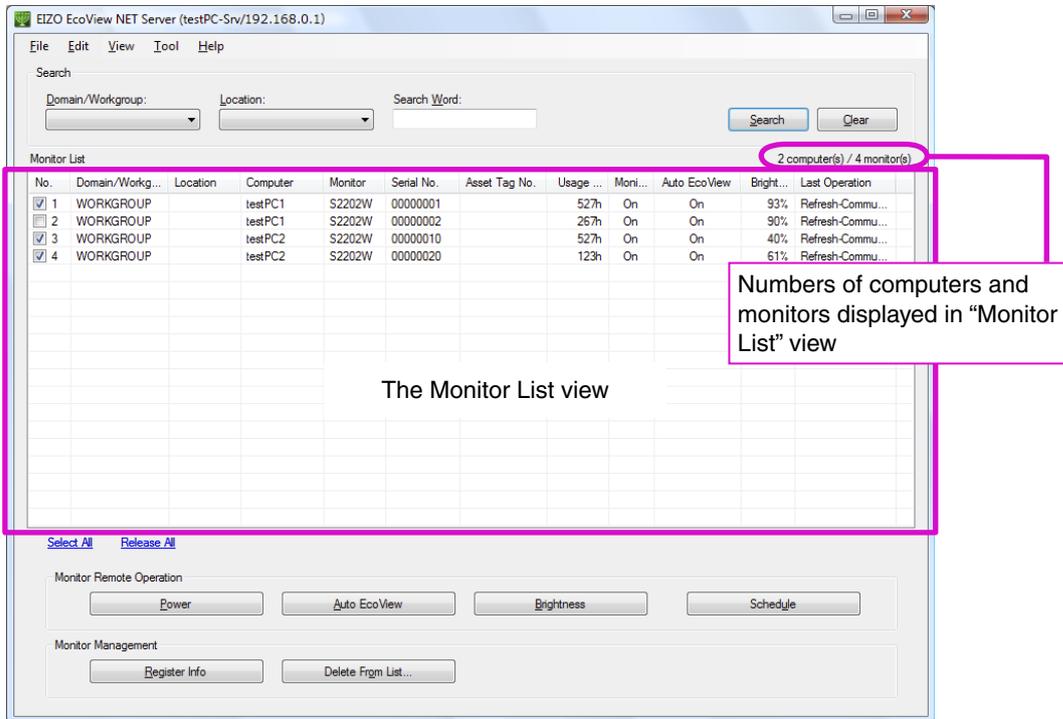
Confirm Version Information

From the menu bar, select [Help] - [About EIZO EcoView NET Server].



3-2. Checking Monitor Information

When you start the software, the EIZO EcoView NET Server main window appears, and a list of client monitor information appears in the “Monitor List” view.



Tips

- The display may take a few minutes, depending on the number of connected client computers.

■ Monitor Information

Domain/Workgroup	The domain/workgroup to which the client computer belongs
Location	The location where the client monitor is installed (This can be set to a user-determined value. See “3-5. Registering Monitor Management Information” (page 23))
Computer	The PC name of the client computer
Monitor	The model name of the client monitor
Serial No.	The serial number of the client monitor
Asset Tag No.	The asset tag number of the client monitor (This can be set to a user-determined value. See “3-5. Registering Monitor Management Information” (page 23))
Usage Time	The length of time that the client monitor has been in use
Monitor Power	The power status of the client monitor
Auto EcoView	The setting value of the client monitor’s Auto EcoView function
Brightness	The setting value of the client monitor’s brightness
Last Operation	The last operation to be executed by the server computer on the client monitor and the results of that operation

Tips

- Click on a column heading in the list to sort the monitor information on that column.

Refreshing Information

To refresh the information in the “Monitor List” view, from the menu bar, select [View] - [Refresh].

Tips

- This action may take a few minutes, depending on the number of client computers that are connected.

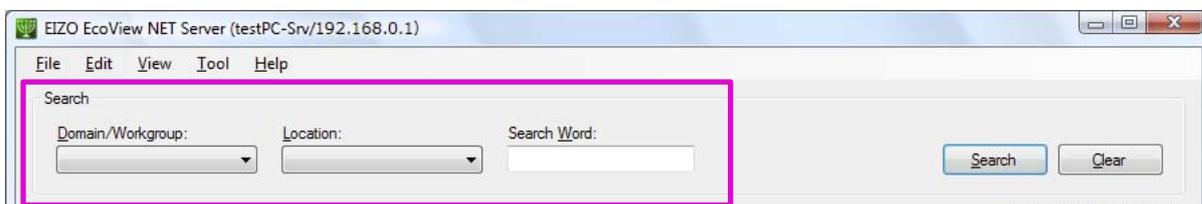
Searching Monitors

Search all monitors in the “Monitor List” meeting your specified condition.

■ Executing Search Operation

Enter one or more search conditions in the “Search” box, then click [Search].

Monitors meeting all your search condition appear in the “Monitor List” view.



Tips

- When you enter arbitrary search terms, a search is performed on all terms except “No.”, “Usage Time”, “Monitor Power”, “Auto EcoView” and “Brightness”.

■ Clearing Search Condition

Click [Clear] to clear the search condition.



The search condition are deleted, and all monitor information appears in the list view again.

Deleting a Monitor from the List

Delete a monitor not to be managed from the list.

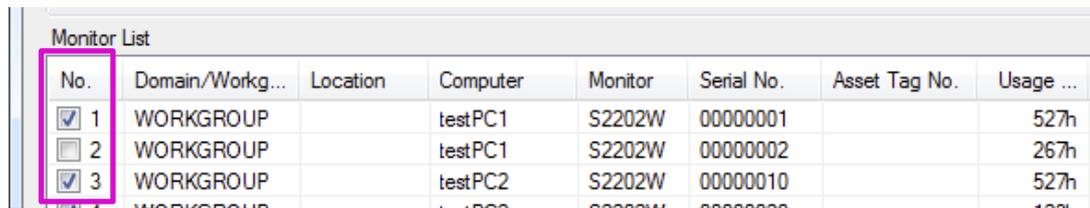
1 Uninstall EIZO EcoView NET Client from the client computer to which the monitor you wish to delete is connected

See “2-4. Uninstallation” (page 13) for details about uninstallation.

2 From the server computer, start EIZO EcoView NET Server

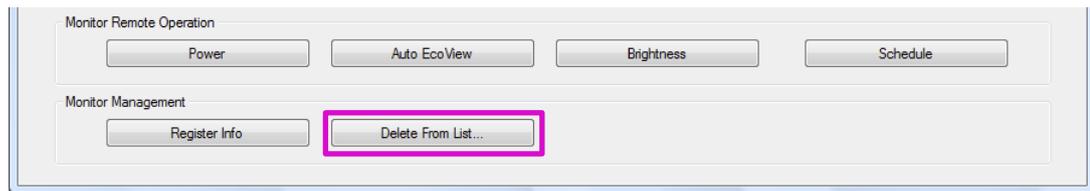
3 Select the client monitor you wish to remove from the “Monitor List” view

Select the checkbox in the “No.” column of the list view.



No.	Domain/Workg...	Location	Computer	Monitor	Serial No.	Asset Tag No.	Usage ...
<input checked="" type="checkbox"/> 1	WORKGROUP		testPC1	S2202W	00000001		527h
<input type="checkbox"/> 2	WORKGROUP		testPC1	S2202W	00000002		267h
<input checked="" type="checkbox"/> 3	WORKGROUP		testPC2	S2202W	00000010		527h

4 Click [Delete From List]



Tips

- If you have mistakenly deleted a monitor to be managed, refresh the “Monitor List” view (see “2-3. Refreshing Monitor Information” (page 13)). The deleted monitor will reappear.

Exporting Monitor Information

Export the information displayed in “Monitor List” view as a CSV file.

Tips

- All monitor information displayed in the list view will be exported.

1 From the menu bar, select [File] - [Export Monitor List]

2 After the “Save As” dialog box appears, specify the location and filename, then click [Save]

3-3. Operating Monitors

Turn the client monitors on and off, configure the Auto EcoView feature, and adjust the brightness.

1 Select the target client monitor from the “Monitor List” view

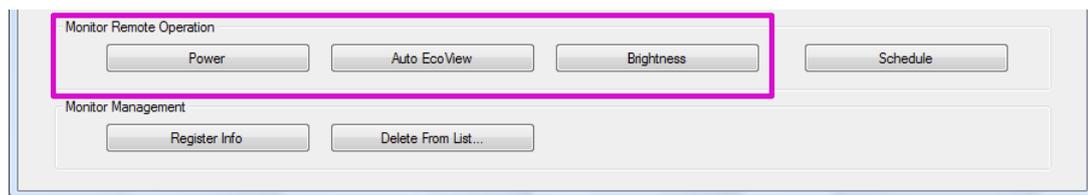
Select the checkbox in the “No.” column of the list view.

Monitor List							
No.	Domain/Workg...	Location	Computer	Monitor	Serial No.	Asset Tag No.	Usage ...
<input checked="" type="checkbox"/> 1	WORKGROUP		testPC1	S2202W	00000001		527h
<input type="checkbox"/> 2	WORKGROUP		testPC1	S2202W	00000002		267h
<input checked="" type="checkbox"/> 3	WORKGROUP		testPC2	S2202W	00000010		527h
<input type="checkbox"/> 4	WORKGROUP		testPC2	S2202W	00000008		107h

Tips

- Click “Select All” to select all the checkboxes at once.
- Click “Release All” to clear all the checkboxes at once.

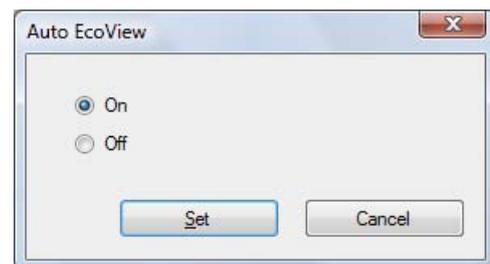
2 Click the button of the feature to operate



3 Select the operation to execute or the setting to configure, and click [Execute] or [Set]



Monitor Power Settings dialog box



Auto EcoView Settings dialog box



Brightness Settings dialog box

The results of the operation you selected in step 1 are reflected in the monitor.

3-4. Registering a Power Schedule

Create a schedule to turn the power of client monitors on or off.

Note

- The schedule is registered not only with the selected monitor, but also with the other client monitors connected to the same PC.
- If you register a schedule with multiple monitors selected, any existing schedules will be overwritten.
- When you register a schedule, any schedules set individually for the client computer are overwritten.

1 Select the target client monitor from the “Monitor List” view

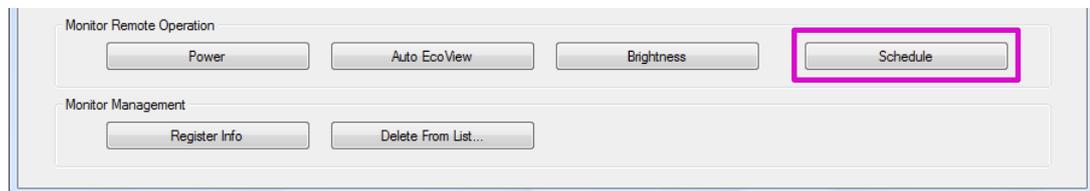
Select the checkbox in the “No.” column of the list view.

Monitor List							
No.	Domain/Workg...	Location	Computer	Monitor	Serial No.	Asset Tag No.	Usage ...
<input checked="" type="checkbox"/> 1	WORKGROUP		testPC1	S2202W	00000001		527h
<input type="checkbox"/> 2	WORKGROUP		testPC1	S2202W	00000002		267h
<input checked="" type="checkbox"/> 3	WORKGROUP		testPC2	S2202W	00000010		527h

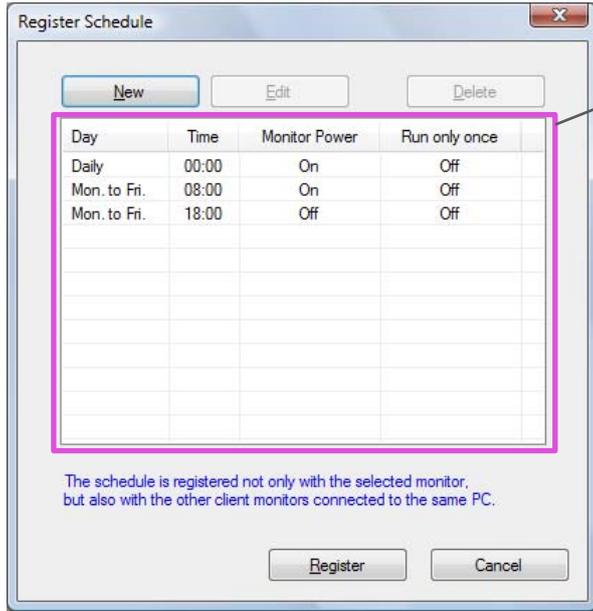
Tips

- Click “Select All” to select all the checkboxes at once.
- Click “Release All” to clear all the checkboxes at once.

2 Click [Schedule]



3 After the “Register Schedule” dialog box appears, create, edit, or delete a schedule



Schedule List

Day	The day of the week to turn the power on or off
Time	The time to turn the power on or off
Monitor Power	The action to perform on the power
Run only once	Set this to “On” if you only wish to run the scheduled action once.

New	Create a new schedule (see “ Creating a Schedule ” (page 21)).
Edit	Edit the selected schedule (see “ Editing a Schedule ” (page 22)).
Delete	Delete the selected schedule (see “ Deleting a Schedule ” (page 22)).

4 Click [Register]

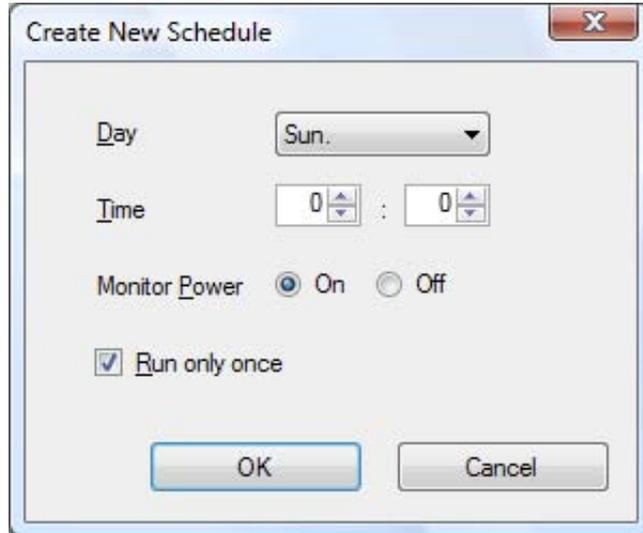
The schedule is registered for all monitors you selected in step 1.

Creating a Schedule

1 Click [New]

2 After the “Create New Schedule” dialog box appears, set the day, time and action to perform (turn power on/off)

Clicking the “Run only once” to create the schedule performed once.



3 Click [OK]

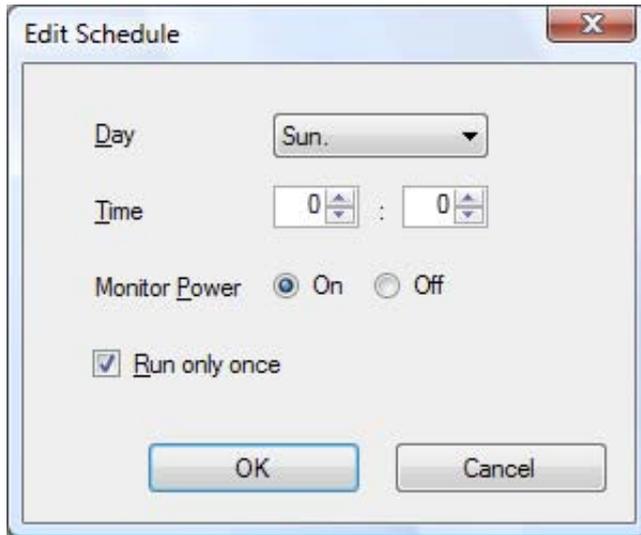
Editing a Schedule

1 Click the row of the schedule to edit

The selected row is highlighted.

2 Click [Edit]

3 After the “Edit Schedule” dialog box appears, edit the schedule’s settings



4 Click [OK]

The edited schedule appears in the Schedule List.

Deleting a Schedule

1 Click the row of the schedule to delete

The selected row is highlighted.

2 Click [Delete]

3-5. Registering Monitor Management Information

Register the location and asset tag number of a client monitor.

Note

- If multiple monitors are selected, all existing management information will be overwritten.

1 Select the target client monitor from the “Monitor List” view

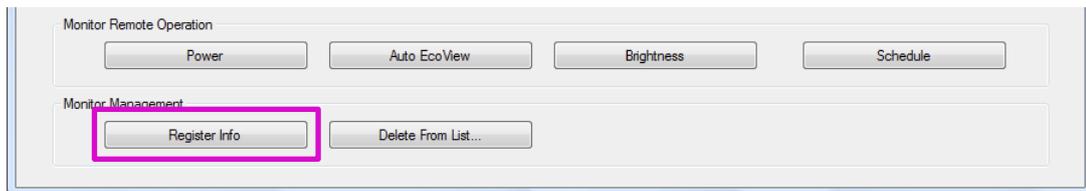
Select the checkbox in the “No.” column of the list view.

Monitor List							
No.	Domain/Workg...	Location	Computer	Monitor	Serial No.	Asset Tag No.	Usage ...
<input checked="" type="checkbox"/> 1	WORKGROUP		testPC1	S2202W	00000001		527h
<input type="checkbox"/> 2	WORKGROUP		testPC1	S2202W	00000002		267h
<input checked="" type="checkbox"/> 3	WORKGROUP		testPC2	S2202W	00000010		527h
<input type="checkbox"/> 4	WORKGROUP		testPC2	S2202W	00000003		127h

Tips

- Click “Select All” to select all the checkboxes at once.
- Click “Release All” to clear all the checkboxes at once.

2 Click [Register Info]



The register info dialog box appears.

3 After the “Register Management Information of Monitor” dialog box appears, input the location and asset tag number

Location	Enter information about the client monitor (e.g. as the location) (within 32 characters).
Asset Tag No.	Enter the asset tag number of the client monitor (within 32 characters). * Only enabled when one monitor is selected.

4 Click [OK]

The asset management information is saved, and the information appears in the “Monitor List” view.

4. EIZO EcoView NET Client

EIZO EcoView NET Client is a software for communicating with a server computer in order to control the client monitor. You can use it to configure monitor power and register schedules for the individual client computer.

4-1. Startup and Exit

Startup

From the client computer, select [Start] - [(All) Programs] - [EIZO] - [EIZO EcoView NET Client] - [EIZO EcoView NET Client].

Exit

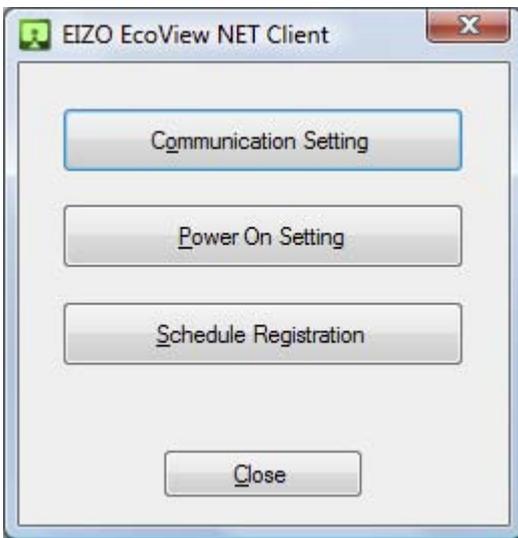
Click [Close].

Confirm Version Information

Right click on the title bar, and select [About EIZO EcoView NET Client].

4-2. Setup Dialog Box

When the software starts, the EIZO EcoView NET Client setup dialog box appears.



Communication Setting	Configure the network (See “2-2. Setting Up the Client Computer” (page 11)).
Power On Setting	Configure the monitor power to come back on when the mouse is operated (See “4-3. Power On Setting” (page 25)).
Schedule Registration	Create a power schedule for this client only (See “4-4. Registering a Power Schedule” (page 26)).

4-3. Power On Setting

Note

- The option to restore monitor power when the mouse is operated is only available when the monitor was shut off from the server computer or via the power schedule feature.
 - The power-on setting will have no effect when logged off.
-

1 Click [Power On Setting]

2 After the “Power On Setting” dialog box appears, click the [Turn on the monitor when moving the mouse.] checkbox



3 Click [OK]

The power-on setting is enabled.

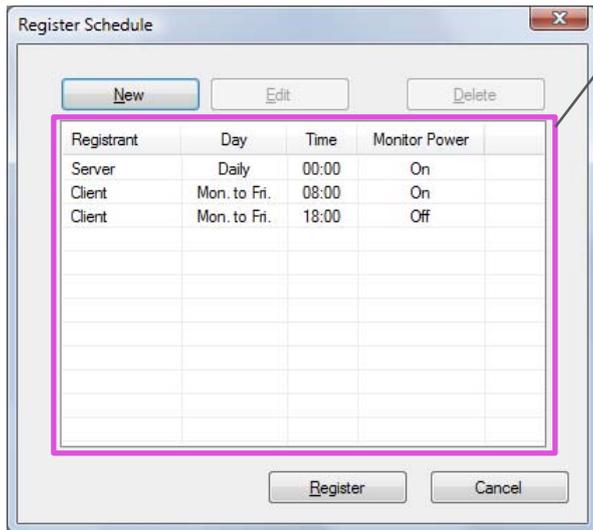
4-4. Registering a Power Schedule

Note

- When a schedule is registered from the server computer (EIZO EcoView NET Server), all the schedules registered from the client computer will be deleted.

1 Click [Schedule Registration]

2 After the “Register Schedule” dialog box appears, create, edit, or delete a schedule



Schedule List

Registrant	The person registering the schedule <ul style="list-style-type: none"> • Server ...Schedule registered from the server computer • Client ...Schedule registered from the client computer
Day	The day of the week to turn the power on or off
Time	The time to turn the power on or off
Monitor Power	The action to perform on the power

New	Create a new schedule (see “ Creating a Schedule ” (page 27)).
Edit*	Edit the selected schedule (see “ Editing a Schedule ” (page 28)).
Delete*	Delete the selected schedule (see “ Deleting a Schedule ” (page 28)).

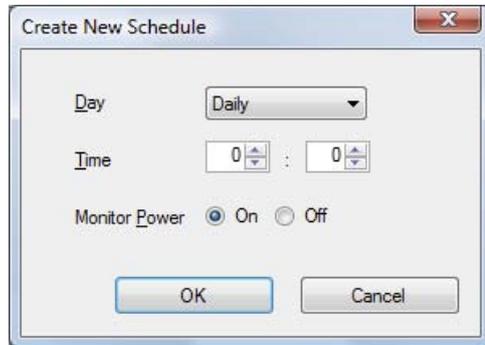
* The edit and delete functions are only available if the registrant is the client.

3 Click [Register]

The schedule is saved.

Creating a Schedule

- 1 Click [New]
- 2 After the “Create New Schedule” dialog box appears, set the day, time and action to perform (turn power on/off)



- 3 Click [OK]

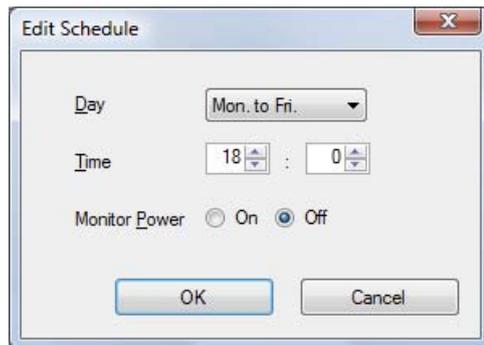
Editing a Schedule

1 Click the row of the schedule to edit

The selected row is highlighted.

2 Click [Edit]

3 After the “Edit Schedule” dialog box appears, edit the schedule’s settings



4 Click [OK]

Deleting a Schedule

1 Click the row of the schedule to delete

The selected row is highlighted.

2 Click [Delete]

5. Troubleshooting

EIZO EcoView NET Server

Problem	Remedy/Check point
<ul style="list-style-type: none"> The software cannot be installed 	<ul style="list-style-type: none"> Confirm that your computer satisfies the operating requirements (see page 6).
<ul style="list-style-type: none"> The client monitor is not displayed in the "Monitor List" view The client monitor cannot be operated 	<ul style="list-style-type: none"> Check that all cables, such as network cables, are properly connected. Check that the network settings for the server and client computers are correct. Perform the necessary checks as per the setup procedure for each software. Check that EIZO EcoView NET Client is installed on the client computer. Check that the client monitor is turned on. Check that the client monitor is compatible with DDC/CI extended commands. Check that the graphics board of the client computer is compatible with DDC/CI. When using a non-Windows standard firewall, confirm the setting.
<ul style="list-style-type: none"> The client monitor cannot be turned on 	<ul style="list-style-type: none"> Try rebooting the computer with the client monitor switched on.

EIZO Ecoview NET Client

Problem	Remedy/Check point
<ul style="list-style-type: none"> The software cannot be installed 	<ul style="list-style-type: none"> Confirm that your computer satisfies the operating requirements (see page 6).
<ul style="list-style-type: none"> The power-on setting does not operate / the power schedule does not operate 	<ul style="list-style-type: none"> Check that the client monitor is compatible with DDC/CI extended commands. Check that the graphics board of the client computer is compatible with DDC/CI. Try rebooting the computer with the client monitor switched on. When using a non-Windows standard firewall, confirm the setting.
<ul style="list-style-type: none"> Communication setting does not operate 	<ul style="list-style-type: none"> Confirm to the system administrator that EIZO EcoView NET Server is operating. When using a non-Windows standard firewall, confirm the setting.



EIZO NANO CORPORATION

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