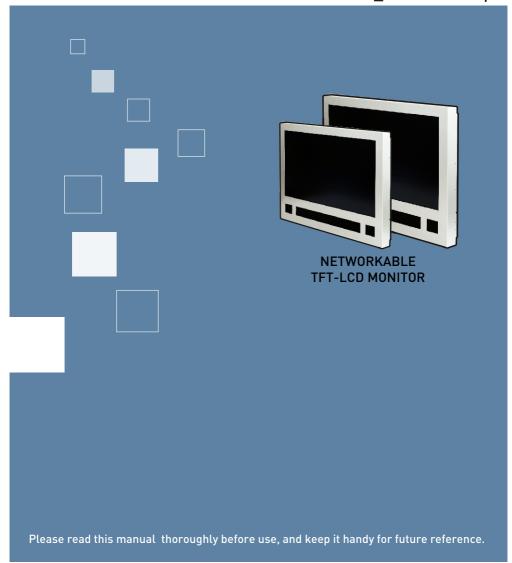
Instruction and Operation M A N U A L

20.1 32.0 Inch PVMpro



The information in this publication is believed to be accurate in all respects. However, WE cannot assume responsibility for any consequences resulting from the use thereof. The information contained herein is subjecT to change WITHOUT NOTICE. Revisions or new editions to this publication may be issued to incorporate such changes.

FCC COMPLIANCE STATEMENT

FCC INFORMATION: THIS EQUIPMENT 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 WHEN THE EQUIPMENT IS OPERATED IN A COMMERCIAL ENVIRONMENT. THIS EQUIPMENT GENERATES, USES, AND CAN RADIATE RADIO FREQUENCY ENERGY AND IF NOT INSTALLED AND USED IN ACCORDANCE WITH THE INSTRUCTION MANUAL, MAY CAUSE HARMFUL INTERFERENCE TO RADIO COMMUNICATIONS. OPERATION OF THIS EQUIPMENT IN A RESIDENTIAL AREA IS LIKELY TO CAUSE HARMFUL INTERFERENCE IN WHICH CASE THE USER WILL BE REQUIRED TO CORRECT THE INTERFERENCE AT HIS OWN EXPENSE.

CAUTION: CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE MANUFACTURED COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

THIS CLASS A DIGITAL APPARATUS COMPLIES WITH CANADIAN ICES-003.

CET APPAREIL NUMÉRIQUE DE LA CLASSE A EST CONFORME À LA NORME NMB-003 DU CANADA.

CE COMPLIANCE STATEMENT

WARNING

THIS IS A CLASS A PRODUCT. IN A DOMESTIC ENVIRONMENT THIS PRODUCT MAY CAUSE RADIO INTERFERENCE IN WHICH CASE THE USER MAY BE REQUIRED TO TAKE ADEQUATE MEASURES.

WARNINGS AND CAUTIONS:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE. DO NOT INSERT ANY METALLIC OBJECTS THROUGH THE VENTILATION GRILLS OR OTHER OPENINGS ON THE EQUIPMENT.

CAUTION:



EXPLANATION OF GRAPHICAL SYMBOLS



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

PRECAUTIONS

Safety -----

Should any liquid or solid object fall into the cabinet, unplug the unit and have it checked by the qualified personnel before operating it any further.

Unplug the unit from the wall oulet if it is not going to be used for several days or more. To disconnect the cord, pull it out by the plug. Never pull the cord itself.

Allow adequate air circulation to prevent internal heat build-up. Do not place the unit on surfaces (rugs, blankets, etc.) or near materials(curtains, draperies) that may block the ventilation holes.

Height and vertical linearity controls located at the rear panel are for special adjustments by qualified personnel only.

----- Installation -----

Do not install the unit in an extremely hot or humid place or in a place subject to excessive dust, mechanical vibration.

The unit is not designed to be waterproof. Exposure to rain or water may damage the unit.

Cleaning -----

Clean the unit with a slightly damp soft cloth.
Use a mild household detergent. Never use strong solvents such as thinner or benzine as they might damage the finish of the unit.

Retain the original carton and packing materials for safe transport of this unit in the future.

IMPORTANT SAFEGUARDS

- 1. Read these instructions.
- 2. Keep these instructions.
- 3. Heed all warnings.
- 4. Follow all instructions.
- 5. Do not use this apparatus near water.
- 6. Clean only with dry cloth.
- 7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that product heat.
- 9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where thy exit from the apparatus.
- 11. Only use attachments/accessories specified by the manufacturer.
- 12. Unplug this apparatus during lightning storms or when unused for long periods of time.
- 13. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, Does not operate normally, or has been dropped.
- 14. CAUTION THESE SERVICING INSTRUCTIONS ARE FOR USE BY QUALIFIED SERVICE PERSONNEL ONLY. TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT PERFORM ANY SERVICING OTHER THAN THAT CONTAINED IN THE OPERATING INSTRUCTIONS UNLESS YOU ARE QUALIFIED TO DO SO.
- 15. Use Certified/Listed Class 2 power supply transformer only(only 20.1" PVM).

CAUTION
RISK OF EXPLOSION IF BATTERY IS REPLACED
BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING
TO THE INSTRUCTIONS.

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CHAPTER 1 - DESCRIPTION

■ Features

Your Public View Monitor was designed with the latest technology. This unit includes the following special features.

- Easy-to-use remote control
- Text generation & advertisement transmission via network
- Built-in HDD for storage of media contents
- USB 2.0 connectors (Host & Device)
- Playback of MPEG1,2, 4 and Widows Media Video up to HD quality
- Media file play and Message display on the schedule basis
- Light sensor for sleep mode
- Motion detection capability
- Multiple viewing function with PIP/PBP display
- Powerful audio sound : 5W x 2
- Integrated camera

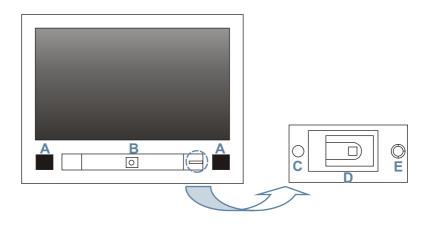
Accessories

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0011 70/44	Quick Guide	Remote Control & Batteries	USB Cable	Power Cord
32" PVM				
	CD			

	8 U 1 D E	SEE SALOREDE	7	
0011 70/44	Quick Guide	Remote Control & Batteries	USB Cable	Adaptor
20" PVM				
	Power Cord	CD		

CHAPTER 2 - INSTALLATION

■ Front Panel



A.Internal speakers

B.Camera window

The integrated camera is inside.

C.Power indicator

Green: Standby

Red blinking: HDD is working.

No light: Monitor is on and HDD is not working.

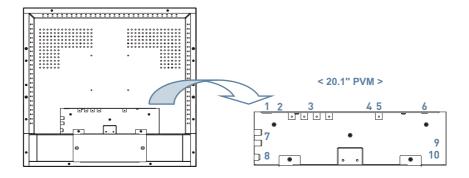
D.Remote control sensor

Aim the remote control towards this spot on the monitor.

E.Photo sensor

Detect ambient light.

■ Rear Panel



1. DC Input Connector

Connect the adapter jack to the DC power connector on the back of the monitor.

2. DC Output Connector

12V DC output connector.

This connector can be used to supply power to an external camera. (12V / 500mA)

3. Video Input Connectors

Two cameras can be connected to the monitor using the BNC connections labeled CA1 and CA2. Either left or right BNC can be input or output.*

The connectors have auto-termination internal switches.*

4. S-Video Input Connector

Connect S-VHS cable from the video output jack of the camera, VCR or DVD.

5. Integrated Camera Video Output Connector

The video output connector of the integrated camera.

6. Ethernet Connector

Used to connect the monitor to the LAN.

7. Audio Input Connectors

Connect RCA audio cables to the audio output jacks of the VCR or DVD.

8. Audio Output Connector

Connect audio signals to other audio systems.

The output is the same signal of internal speakers.

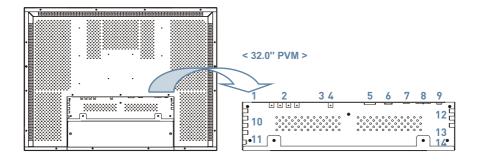
9. USB Host Connector

Connect a USB memory to this connector.

10. USB Device Connector

Connect the monitor to the PC using the supplied USB cable.

Your PC detects the monitor and installs it as the mass storage device. And then you can access AV files in the integrated HDD.



1. DC Output Connector

12V DC output connector.

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Connect S-VHS cable from the video output jack of the camera, VCR or DVD.

4. Integrated Camera Video Output Connector

The video output connector of the integrated camera.

5. DVI Connector

Connect DVI video signal to this connector using the supplied video cable.

6. D-SUB Connector

Connect the 15-pin D-SUB of the video signal cable from the VGA connection of a PC to the back of the PVMpro.

7. Ethernet Connector

Used to connect the monitor to the LAN.

8. AC Input Socket

Connect the AC power cord to the AC Input socket on the back of the monitor.

9. AC Power Switch

Used to supply power to the monitor.

10. Audio Input Connectors

Connect RCA audio cables to the audio output jacks of the VCR or DVD.

- Audio 1 : CAMERAs
- Audio 2 : All other videos except cameras

11. Audio Output Connector

Connect audio signals to other audio systems. The output is the same signal of internal speakers.

12. Component Video Input Connector

Connect the component video source using the (x3 connectors) RCA cable from a DVD or other equipment that support the component video output.

13. USB Host Connector

Connect a USB memory device to this connector.

14. USB Device Connector

Connect the monitor to the PC using the supplied USB cable.

Your PC detects the monitor and installs it as the mass storage device. And then you can access AV files in the integrated HDD.

CHAPTER 3 - OPERATION

■Remote Control

PWR	Turn the monitor on and off.		
0 ~ 9 CA1 & CA2	Numeric keys Select CA1 or CA2 as the main video source.		
Mute	Cuts off the sound.		
EXIT	Exit from the OSD or go to the previous OSD window.		
AUTO	Allows the monitor to self-adjust to the incoming video signal. The values of clock, phase and position are adjusted automatically. (Used in PC mode)		
MENU	Access the OSD menu. This button also used when selecting the video source. (In this case this button is used as the enter button.)		
SOURCE	Select the MAIN or PIP video source.		
▲, ▼	Move up or down on the menu list. Adjust the chosen item (IP, Time and Date etc).		
◄ , ▶	Go to the sub menu of the selected option. Adjust the chosen item. Increase or decrease the volume of internal speakers.		
▶ [⊕]	Play media files or pause the media file playing. The media file over 2GB is not supported. Display the contents list of the selected folder. Go to the sub-directory.		
0	Stop playback of the media file.		
 	Move up in the DISC menu list. During playback of a media file, this button is used to play the previous media file.		
>> [®]	Move down in the DISC menu list. During playback of a media file, this button is used to play the next media file.		
DISC®	Display DISC menu or exit from the DISC menu.		
DISPLAY	Display brief current monitor status.		
PIP	Turn the PIP window on or off.		
SCHEDULE	Press this button to start the media and message schedule.		
ID	Use this button to control the monitor that has the same ID number.		



- 1 This button is used to access media files in storage devices.
- Freeze and ZOOM buttons are not available.

Using the ID button of the remote control.

A specific monitor can be controlled using the ID button on the remote control when several monitors are installed side by side.

Refer to following instructions.

- 1. Set Remote Control ID of the monitor using the supplied remote control.
- 2. Pressing the ID button will display the current IDs of the monitor and the remote control.
- 3. Press the numeric number that is same as the specific monitor.
- Use the remote control to customize your monitor that is matched to the ID of the remote control.

Remote Control ID

■ Selecting Video Source



Selecting Main Video Source

- Press the SOURCE button.
- Press the MENU button after selecting the video source to be displayed using ▲ or ▼.
- To cancel and maintain the current video source, press the EXIT button of the remote control.

Selecting PIP Video Source

- Press the PIP button to activate the PIP window.
- Press the SOURCE button twice.
- Press the MENU button after selecting the video source to be displayed on the PIP window using \blacktriangle or \blacktriangledown .
- To cancel and maintain the current video source, press the EXIT button of the remote control.
- CA1, CA2 and S-VIDEO can't be displayed simultaneously on the screen. For example, if CA1 is selected as the main video source, it is impossible to choose CA1 or S-VIDEO as the PIP video source.

Operation of Display in Relation to Motion Detection

There are various display modes in relation to Motion Detection and PIP mode options. Refer to the following table for overview of operation of display when motion occurs at one of the cameras.

C : Camera S : S-VIDEO M : MEDIA
D : DVI V : VGA H : COMPONENT
X : NO PICTURE

	OSD	Description		Current	Display	Motion	Display
PIP	PICTURE	Description		MAIN	PIP	MAIN	PIP
OFF	Any		The image on the screen switches from the current	С	Х	C (M)	Х
OFF	Selection		main video to the camera video that has a motion.	S	Х	C (M)	Х
	Gelection			M/D/V/H	Х	C (M)	Х
PIP1	FULL		The image on the screen switches from the curren	С	Х	C (M)	Х
			main video to camera video that has a motion.	S	Х	C (M)	Χ
			main video to camera video that had a metern	M/D/V/H	Х	C (M)	Χ
	PIP		The camera video that has a motion only appears	С	Х	C (C)	X (M)
			on the PIP window for DWELL TIME that was set	S	Х	C (S)	X (M)
			in CAMERA/MOTION/DWELL TIME.	М	Х	M (M)	C (X)
				D/V/H	X	D/V/H	C (M)
PIP2	FULL		The PIP window is always activated.	С	М	C (M)	M (C)
PIPZ	FULL		The camera video that has a motion is always	С	H/D/V	C (M)	H/D/V (C)
			displayed on the main window.	S	M	C (M)	M (C)
			The PIP window image is varies depend on the	S	H/D/V	C (M)	H/D/V (C)
			previous PIP video source.	М	С	C (M)	M (C)
				М	S	C (M)	M (C)
				М	H/D/V	C (M)	H/D/V (C)
				H/D/V	С	C (M)	H/D/V (C)
				H/D/V	S	C (M)	H/D/V (C)
				H/D/V	M	C (M)	M (C)
				H/D/V	H/D/V	C (M)	H/D/V (C)
			The image on the PIP window becomes the	С	М	C (C)	M (M)
	PIP		camera video that has a motion except that the main	С	H/D/V	C (C)	H/D/V (M)
			video was set to CAMERA or S-VIDEO.	S	М	C (C)	M (M)
				S	H/D/V	C (C)	H/D/V (M)
				М	С	M (M)	C (C)
				М	S	M (M)	C (C)
				М	H/D/V	M (M)	C (C)
				H/D/V	С	H/D/V (C)	C (M)
				H/D/V	S	H/D/V (C)	C (M)
				H/D/V	M	H/D/V (C)	C (M)
				H/D/V	H/D/V	H/D/V (C)	C (M)
PBP	Anv		The left window is the main video and the right	С	М	C (C)	M (M)
PBP	Selection		window is the PIP video.	С	H/D/V	C (C)	H/D/V (M)
	Selection		When motion occurs at one of the cameras,	S	M	C (C)	M (M)
			the PIP window switches to the camera window	S	H/D/V	C (S)	H/D/V (M)
			that has a motion.	М	С	M (M)	C (C)
				М	S	M (M)	C (C)
				М	H/D/V	M (M)	C (C)
				H/D/V	С	H/D/V (C)	C (M)
				H/D/V	S	H/D/V (C)	C (M)
				H/D/V	M	H/D/V (C)	C (M)
				H/D/V	H/D/V	H/D/V (C)	C (M)

() MOTION REVERSE: ON

■ File Navigation

You can access and play media files using the remote control.

And some playback options are available in the OSD menu.

If the Media Schedule is operating, stop the Media Schedule by pressing the SCHEDULE button on the remote control before accessing the media files of the HDD or USB memory device.



< DISC MENU >

- Press the DISC button to display storage devices or contents of it.
- To move up or down in the DISC menu, use 【◀◀ or ▶▶】.
- To play the selected video or audio file, press ▶ ...
- To stop playing media file temporarily, press ▶II.
- ▶▶I is used to play next media file in the list during playback.
- **I**◀◀ is used to play previous media file in the menu list during playback.
- Press to stop playback and go to the DISC menu.

Using OSD Menu

Pressing the MENU button places the unit into the programming mode.

Setup mode allows you to customize the unit operation to suit a specific application.

In the setup mode, the arrow buttons are used to move DOWN, UP, LEFT and RIGHT in the OSD Setup menu. The OSD display time can be adjusted in the OSD setup menu.

All chosen values and items are memorized when exiting the OSD menu.

- Press the MEMU button.
- Move up or down the menu list using ▲ or ▼.
- Display the sub-menu of the selected item using .
- Adjust the chosen item using ▲ or ▼.
- Display previous menu or exit from the OSD using the EXIT button.

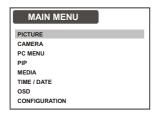
■ Plug and Play (VGA & DVI)

This monitor meets VESA Plug and Play standards, which eliminates complicated and time-consuming setup. It allows you to install your monitor in a Plug and Play compatible system without the usual setup hassles and confusion. Your PC system can easily identify and configure itself for use with your display.

CHAPTER 4 - SETUP MODE

MAIN MENU

All functions in the OSD menu are controlled via the supplied remote control.

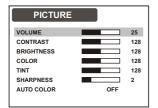


Pressing the MENU button will place the unit into the programming mode.

This monitor has 8 main OSD items.

PICTURE

The PICTURE menu allows you to modify the picture quality by adjusting the contrast, brightness and other options.



Press the MENU button and move indication bar to PICTURE. Press \blacktriangleright to display sub-menu of PICTURE. Select one of option using \blacktriangle or \blacktriangledown . Adjust the option selected using \blacktriangleleft or \blacktriangleright .

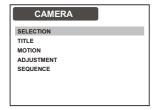
*) TINT is only available in NTSC system.

AUTO COLOR

This option is used to adjust the video level automatically in the VGA and COMPONENT mode.

CAMERA

This option is used to adjust options of each camera.



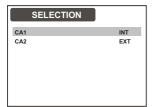
Press the MENU button and select CAMERA using \blacktriangle or \blacktriangledown . Press \blacktriangleright to display sub-menu of CAMERA.

SELECTION

This option is used to select the camera for display.

Select INT to display and process the integrated camera.

Select EXT to display and process an external camera.



Press the MENU button and select CAMERA using ▲ or ▼ . Press ▶ to display sub-menu of CAMERA. Select SELECTION and press ▶ to display its sub-menu. Select INT or EXT using ◀ or ▶ .

TITLE

TITLE setup option allows you to modify the name of each camera.

Display option is used to select whether or not the screen displays the camera title.



Press the MENU button and select the CAMERA using \blacktriangle or \blacktriangledown .

Press ▶ to display sub-menu of CAMERA.

Select TITLE and press ▶ to display its sub-menu.

Locate indication bar at CA1 EXT and press ▶ to change the first character.

Change first character of the CA1 EXT using ▲ or ▼.

Press ◀ or ▶ to change character position.

Press the EXIT button to finish changing of the camera title.

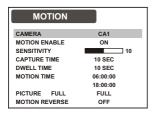
To activate display of the camera title, select ON of the DISPLAY option.

MOTION

This monitor has a motion detection function to support automatic switching from MEDIA to the internal camera or an external camera.

Motion detection is only available with CA1 and CA2.

The Motion Sensitivity and other options for motion detection can be adjusted in this setup menu.



Press the MENU button and select CAMERA using lacktriangle or lacktriangle .

Press ▶ to display sub-menu of CAMERA.

Select MOTION and press ▶ to display its sub-menu.

Select the option to be changed using \blacktriangle or \blacktriangledown .

Change the chosen option using ◀ or ▶.

CAMERA

This menu is used to select the camera for adjustment of motion detection options.

MOTION ENABLE

This option is used to activate or deactivate the motion detection function.

- "ON": Motion detection of selected camera is enabled.
- "OFF" · Motion detection of selected camera is disabled

SENSITIVITY

Use the SENSITIVITY option to adjust the sensitivity of motion detection.

To increase (decrease) the motion detection sensitivity of the internal camera, increase (decrease) the sensitivity value.

CAPTURE TIME

CAPTURE TIME is the interval that the motion detection is processed.

When it is set to 10 SEC, the motion detection is process at every 10 seconds.

This means that the minimum switching interval from the MEDIA to the camera that has motion is 10 seconds when PIP MODE has been set to off.

DWFII TIMF

If there is a motion in the field of view of a camera, the main screen switches to the camera image that has motion for a length of time set in the DWELL TIME setup menu and then returns to the previous display mode.

DWELL TIME is the time that the motion detected camera is displayed on the screen.

MOTION TIME

This option is used to set when the motion detection function is active.

The time represented by the upper line is the start of motion detection and the lower line represents the end of motion detection time period.

The motion detection function only works during MOTION TIME.

If the user wants to use motion detection all the time, adjust the time of lower line sooner than the time of upper line.

PICTURE

This option is used to select the display method of the motion camera.

When it was set to FULL, the motion camera is displayed in full in the main window and when it was set to PIP, the motion camera is displayed in the PIP window.

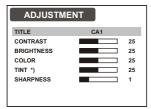
MOTION REVERSE

When motion occurs at one of the cameras, user can select CAMERA or MEDIA as the motion event display on MAIN or PIP window.

- "ON": MEDIA is the video of motion event display.
- "OFF": CAMERA is the video of motion event display.

ADJUSTMENT

This option is used to adjust picture quality of each camera.



Press the MENU button and select CAMERA using ▲ or ▼ .
Press ▶ to display sub-menu of CAMERA.
Select ADJUSTMENT and press ▶ to display its sub-menu.

Locate horizontal bar at TITLE and then select the camera to be adjusted using ◀ or ▶.

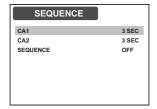
Select the option using \blacktriangle or \blacktriangledown .

Change value of the chosen option using ◀ or ▶.

*) TINT is only available in NTSC system.

SEQUENCE

This option is used to set the dwell time of the selected camera when the monitor is operated in the SEQUENCE mode.



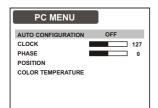
Press the MENU button and select CAMERA using \blacktriangle or \blacktriangledown . Press \blacktriangleright to display sub-menu of CAMERA. Select SEQUENCE and press \blacktriangleright to display its sub-menu. Select the option to be changed using \blacktriangle or \blacktriangledown . Change value of the chosen option using \blacktriangleleft or \blacktriangleright .

SEQUENCE

Pressing SEQUENCE of the remote control or selecting SEQUENCE to ON in the OSD menu sequences cameras.

PC MENU

The PC MENU allows you to modify the picture quality and the picture position in the VGA mode.



Press the MENU button and select PC MENU using \blacktriangle or \blacktriangledown . Press \blacktriangleright to display sub-menu of PC MENU. Locate horizontal bar at AUTO CONFIGURATION, CLOCK or PHASE using \blacktriangle or \blacktriangledown . Adjust the option selected using \blacktriangleleft or \blacktriangleright .

AUTO CONFIGURATION

Allow the monitor to self-adjust to the incoming video signal.

The values of clock, phase and position are adjusted automatically.

CLOCK

Use Clock to minimize any vertical bars or strips visible on the screen background.

PHASE

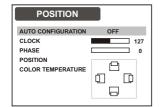
Use Phase to adjust the focus of the display.

This item allows you to remove any horizontal noise and clear or sharpen the image of characters.

POSITION

Use POSITION to adjust the horizontal and vertical position of the image on the monitor screen.

screen.



Press the MENU button and select PC MENU using ▲ or ▼.

Press ▶ to display sub-menu of PC MENU.

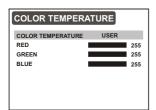
Locate horizontal bar at POSITION using ▲ or ▼.

Press ▶ to display sub-menu of it.

Use ▲, ▼, ◀ or ▶ to adjust the position of the image on the

COLOR TEMPERATURE

Use COLOR TEMPERATURE to change the screen color standard.



Press the MENU button and select PC MENU using \blacktriangle or \blacktriangledown . Press \blacktriangleright to display sub-menu of PC MENU.

Locate horizontal bar at COLOR TEMPERATURE using \blacktriangle or \blacktriangledown . Press \blacktriangleright to display its sub-menu.

Use ◀ or ▶ to change the value to DEFAULT, 4200K or USER.

PIP

This monitor can display the PIP window.

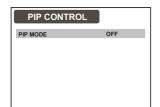
This setup menu is used to adjust PIP window options.

This option is also used to display two video sources side by side (PBP).

PIP MODE

This option is used to activate or deactivate the PIP window.

The size and the position of the PIP window can be adjusted when PIP MODE was set to PIP2.



Press the MENU button and select PIP using ▲ or ▼ .

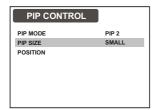
Press ▶ to display sub-menu of PIP.

Use \blacktriangleleft or \blacktriangleright to change the value to OFF, PIP1, PIP2 or PBP.

OFF	PIP window is disabled.
PIP1	If there is a motion in the field of view of the camera and PICTURE in the MOTION setup menu is set to PIP, the camera video appears on the PIP window for the duration of time that was set in the MOTION/DWELL TIME.
PIP2	The PIP window is always visible and any video sources can be selected as the PIP video source. To display the camera video that has a motion on the PIP window when other video sources (not cameras) are selected as the PIP video source, set MOTION options as followings. - CAMERA / MOTION / MOTION ENABLE : ON - CAMERA / MOTION / PICTURE : PIP - CAMERA / MOTION / MOTION REVERSE : OFF
PBP	Two video sources that were chosen as MAIN and PIP video sources are displayed side by side on the screen.

PIP SIZE

This option is used to adjust the size of the PIP window.



Press the MENU button and select PIP using ▲ or ▼ .

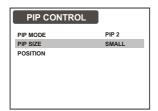
Press ▶ to display sub-menu of PIP.

Locate horizontal bar at PIP SIZE.

Use ◀ or ▶ to change the value to SAMLL, MEDIUM or LARGE.

POSITION

This option is used to adjust the position of the PIP window.



Press the MENU button and select PIP using ▲ or ▼.

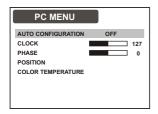
Press ▶ to display sub-menu of PIP.

Locate horizontal bar at POSITION using ▲ or ▼ and then press ▶.

Use ▲. ▼. ◀ or ▶ to change the position of the PIP window.

MEDIA

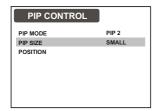
This option is used to adjust options related to the network environment, file playback, system update and others.



Press the MENU button and select MEIDA using \blacktriangle or \blacktriangledown . Press \blacktriangleright to display sub-menu of MEIDA.

NETWORK

Network parameters can be input in this option. These parameters are used for the remote client.



Press the MENU button and select MEIDA using ▲ or ▼ . Press ▶ to display sub-menu of MEIDA. Locate horizontal bar at IP ADDRESS, SUBNET MASK or GATFWAY

Press ◀ or ▶ to select the active position of the selected option.

Press ▲ or ▼ to change selected value.

MEDIA PLAY

Use this option to set options related to the play of media files.



MEDIA PLAY & REPLAY

This option sets whether media files in the selected folder are played only once or played as a continuous loop.

JPEG PLAY TIME

This option sets how long each photo image is displayed.

SYSTEM

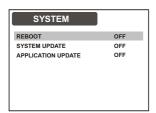
This option is composed of 3 available items related to the media system.

Use this option to reboot the media system or upgrade softwares using the USB memory.

REBOOT

Select REBOOT "ON", to reboot the media system.

The reboot process does not affect the VGA, DVI, COMPONENT, S-VIDEO, CA1 and CA2 display. During the reboot process, USB, Ethernet and others related to the media system are re-initialized.



Press the MENU button and select MEIDA using \blacktriangle or \blacktriangledown . Press \blacktriangleright to display sub-menu of MEIDA.

Locate horizontal bar at SYSTEM then press ▶.

Locate horizontal bar at reboot.

Select REBOOT "ON" using ◀ or ▶.

Press the EXIT button of the remote control to reboot the media system.

SYSTEM & APPLICATION UPDATE

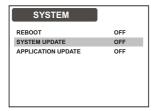
SYSTEM UPDATE is the re-write of all flash contents.

The flash memory contains OS and drivers for specific devices.

It takes about 4~5 minutes.

APPLICATION UPDATE is the update of the application program that is in the integrated HDD.

- Before execution of update, connect the USB memory that contains update files.
- Stop the Media schedule before SYSTEM & APPLICATION update.
- Do not unplug the power during update.
- Reboot after completion of update.
- The file name of SYSTEM UPDATE must be romfs_hitron32.bin(32").
- The file name of SYSTEM UPDATE must be romfs hitron20bin(20").
- The file name of APPLICATION UPDATE must be pmp32.pvm(32").
- The file name of APPLICATION UPDATE must be pmp20.pvm(20").



Press the MENU button and select MEIDA using ▲ or ▼.

Press ▶ to display sub-menu of MEIDA.

Locate horizontal bar at SYSTEM then press ▶.

Locate horizontal bar at SYSTEM UPDATE or

APPLICATION UPDATE.

Select SYSTEM UPDATE or APPLICATION UPDATE "ON"

using ◀ or ▶.

Press the EXIT button of the remote control to update SYSTEM or APPLICATION.

UPDATE

The upper message appears during update.

UPDATE SUCCESS

The upper message appears when update is completed successfully.

UPDATE FAIL
USB Not Found !!!

If there is no USB memory connected, the upper message will appear.

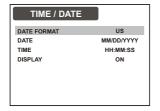
■ TIME/DATE

DATE FORMAT

The option on the time and date setup screen is date format.

This is used to select between the following three date formats:

US(default)	MM / DD / YYYY	
EURO	DD / MM / YYYY	
ASIA	YYYY / MM / DD	



Press the MENU button and select TIME / DATE using \blacktriangle or \blacktriangledown . Press \blacktriangleright to display sub-menu of TIME / DATE. Locate horizontal bar at DATE FORMAT using \blacktriangle or \blacktriangledown . Change this option to US, EURO or ASIA using \blacktriangleleft or \blacktriangleright .

DATE & TIME

These options are used to set the current date and time.

The format displayed on the screen is dependent on the date format option set in the preceding steps.



Press the MENU button and select TIME / DATE using ▲ or ▼ . Press ▶ to display sub-menu of TIME / DATE.

Locate horizontal bar at DATE or TIME using ▲ or ▼.

Press ◀ or ▶ to select one of the items.

Change the selected value of the selected item using \blacktriangle or \blacktriangledown .

DISPLAY

The display option on the time and date setup screen allows you to select whether or not to display time and date on the screen. The default option is ON.

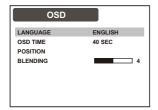


Press the MENU button and select TIME / DATE using \blacktriangle or \blacktriangledown . Press \blacktriangleright to display sub-menu of TIME / DATE. Locate horizontal bar at DISPLAY using \blacktriangle or \blacktriangledown .

OSD

Use the OSD Menu to adjust the OSD window.

The OSD Position and other options can be adjusted in this setup menu.



Press the MENU button and select OSD using ▲ or ▼.

Press ▶ to display sub-menu of OSD.

Press ◀ or ▶ to select "ON" or "OFF".

Select one of option using \blacktriangle or \blacktriangledown .

Change the option using ◀ or ▶.

(Use ◀, ▶, ▲ and ▼ to move the OSD window on the screen.)

LANGUAGE

Selects OSD language displayed. Currently only English is supported.

OSD TIME

The OSD TIME option is used to adjust the on-screen display time. It supports up to 120 seconds.

POSITION

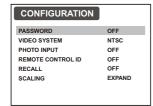
This option is used to move the OSD window horizontally or vertically.

BLENDING

This option is used to change the opaqueness of the background of the OSD.

CONFIGURATION

The configuration setup screen allows you to make changes to the security option and other options related to the system.

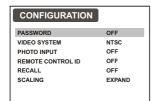


Press the MENU button and select CONFIGURATION using lacktriangle or lacktriangle .

Press ▶ to display sub-menu of CONFIGURATION.

PASSWORD

The password option is used to protect programming setup from unauthorized access. If this option is ON, pressing MENU to enter the main menu setup mode will display the password confirmation screen.



Press the MENU button and select CONFIGURATION using \blacktriangle or \blacktriangledown .

Press ► to display sub-menu of CONFIGURATION.

Select PASSWORD using ▲ or ▼ . Set PASSWORD to "ON".

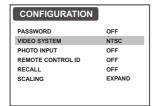
(The PASSWORD window appears) Enter new the 4-digits of password.

(The PASSWORD CONFIRMATION window appears.)

Enter the 4-digits of password that had been entered.

VIDEO SYSTEM

Select the video system that is used in your region.



Press the MENU button and select CONFIGURATION using \blacktriangle or \blacktriangledown .

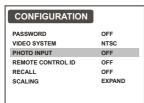
Press ▶ to display sub-menu of CONFIGURATION.

Select VIDEO SYSTEM using lacktriangle or lacktriangle .

Change VIDEO SYSTEM to NTSC or PAL using \blacktriangleleft or \blacktriangleright .

PHOTO INPUT

This monitor can be turned off and goes to power saving mode if there is low ambient light by setting PHOTO INPUT to "ON".



Press the MENU button and select CONFIGURATION using ▲ or ▼.

Press ▶ to display sub-menu of CONFIGURATION.

Select PHOTO INPUT using ▲ or ▼ .

Change this option to "ON" or "OFF" ◀ or ▶ .

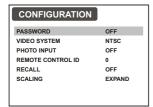
- ON: The monitor turns off when ambient light is low.
- OFF: The monitor doesn't go to low power mode.

REMOTE CONTROL ID

Use the REMOTE CONTROL ID setup menu to set the ID of the monitor.

This feature is convenient when there are several monitors installed.

Set ID to other value except 0 to adjust the monitor that has the same number.

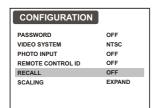


Press the MENU button and select CONFIGURATION using $lack \Delta$ or $lack \nabla$.

Press ▶ to display sub-menu of CONFIGURATION.
Select REMOTE CONTROL ID using ▲ or ▼.
Change the value using ◀ or ▶.

RECALL

This option allows you to return to the unit to factory-defined defaults.



Press the MENU button and select CONFIGURATION using lack A or lack V.

Press ▶ to display sub-menu of CONFIGURATION.

Select RECALL using ▲ or ▼.

Set the option to "ON" using ◀ or ▶.

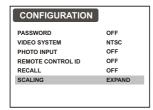
Press the FXIT button

SCALING (32")

User can adjust the picture size to 4:3 or original image size on the screen.

There are three options EXPAND, ASPECT and 1:1.

This option can be configured with VGA and DVI.



Press the MENU button and select CONFIGURATION using

▲ or **▼** .

Press ▶ to display sub-menu of CONFIGURATION.

Select SCALING using ▲ or ▼.

Adjust the option to EXPAND, ASPECT or 1:1 using ◀ or ▶.

- EXPAND : The input image is resized to fill the display area.

- ASPECT : The aspect ratio of the input image is maintained.

- 1:1: The input image is displayed in its original form.

CHAPTER 5 - CLIENT SOFTWARE

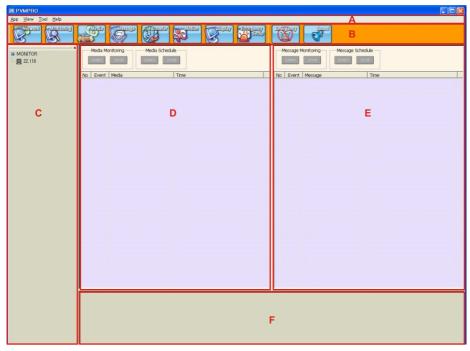
Description

This monitor can be used with this client software via an Ethernet connection.

Up to 16 monitors can be connected.

Using the client software you can use the following features.

- Upload media files to the monitor.
- Edit the media schedule and the message schedule.
- Start and stop the media and the message schedule.
- Edit the emergency message.
- Monitor control (motion setup and display mode)



[Client S/W]

A: Menu bar
B: Tool bar

C : Monitor (Server) list window
 D : Media monitoring window
 E : Message monitoring window
 F : Log message window

■ Description of tool bar



Item	Description	
А	Used to add the new monitor or remove a monitor in the monitor list. This is also used to establish network parameters.	
В	Used to start and stop the monitoring of the media and the message schedule.	
С	Used to edit the media schedule.	
D	Used to edit the message schedule.	
E	Used to send media files to the monitor and to delete media files that are in the monitor.	
F	Used to change options of motion detection.	
G	Used to change the display mode or to change the main and the PIP video sources.	
Н	Used to edit the Emergency message.	
ı	When clicking this icon, the selected Emergency message of each monitor will be displayed on the screen.	
J	Used to mute the sound of all actively connected monitors.	

■ Network Setup

Establish network parameters to connect to monitors via an Ethernet connection. Add and delete monitors connected via an Ethernet connection.



Click the Network icon to modify network parameters.

Click the Add button to enter network parameters for a new monitor connection.



Fill correct IP Address, Subnet Mask and Gateway. Position is the name of the monitor that is displayed in the Monitor List window. Click the Save button.

■ Connecting to the Monitor



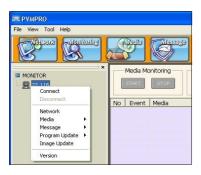
The upper window appears when you firstly open the program.

Enter ID and Password and click the Submit button.



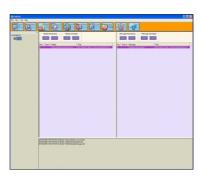
To see the registered name (Position) of monitor, double click MONITOR or click on the Monitor List window.

The monitor list disappears when you double click MONITOR.



Right-click the name of the monitor. Click Connect to connect to the monitor. The other way to connect to the monitor, is to double click the name of the monitor. Right-click the name of the monitor and then click Disconnect to disconnect the monitor.





If connection is successful, the status of the media and message schedule will be displayed.

■ Time/Sync

Execute this option to synchronize time and the date of the monitor to the client computer.



Right-click the name of the monitor. Click Time Sync.

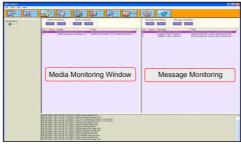
Monitoring

This is a convenient feature when operating the monitor remotely.

By clicking the Monitoring icon, the media and message schedule will be displayed.

In addition the currently playing media file and message display is shown in the monitoring window.

The monitoring window also offers the option of starting and stopping the schedule.

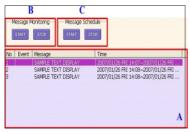


[Monitoring Window]



[Media Monitoring]

- A: This window displays the list of media files that are registered.
 - If present, the Event option is marked by "o" in the Event column.
 - The media file that has the blue bar is currently displayed on the screen.
- B: Used to start and stop the Media monitoring. Start Media Schedule before media can be monitored.
- C: Used to start and stop Media schedule.



[Message Monitoring]

- A: This window displays the list of Messages that are registered.
 - If present, the Event option is marked by "o" in the Event column.
 - The message that has the blue bar is currently displayed on the screen.
- B: Used to start and stop the Message monitoring. Start Message Schedule before the message can be monitored.
- C: Used to start and stop Message schedule.

■ Media Schedule

The media files can be played on a specific date and during the specified time or the order that is listed in the MEDIA window.

Edit options of the media file for the schedule before execution of this feature.

- Send media files to the monitor in advance to register it in Media schedule.
- Only one schedule file can be in the monitor.

Procedure of media schedule

- Click the Media icon.
- Add media files from the server window.
- Make the playlist and change options of each media file.
- Send the edited playlist (schedule) to the monitor.
 The playlist will be saved in the monitor.

The monitor will play media files on the basis of schedule that is in the monitor.

- Wait for a minute and then click the Start button.

Refer to the followings to edit the playlist.

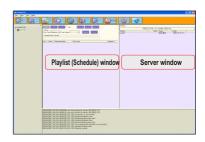


Click the Media icon.

You can see the right window.

The Schedule window indicates the playlist of media files. The server window indicates the storage devices that are connected to the monitor. Contents of the specific foldercan be seen by double clicking it.

Double click to go to the upper folder in the server window.





Select the folder that contains media files to be registered for Media schedule. Select one or more files in the server window.

Drag selected files in the server window and drop them in the schedule window.

The upper window will appear.

Server Time

Indicates current time of the selected monitor.

File path

Indicates the file path.

Start time

Indicates time that playback of the media file starts. Only applied when Play Type was set to Time or the Event option was set to Time Event.

Stop time

Indicates time that playback of the media file is terminated. Only applied when Play Type was set to Time or the Event option was set to Time Event.

 Care must be taken not to overlap playback time between media files.



< Scheduling Setup Window >

Event

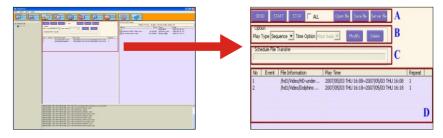
Select the Event option to Time Event to play the media file from the Start time to Stop time. Only time parameters are applied.

This option has the highest priority than other setups when you play media files.

Repeat

Repeat playback of the selected file as many as user setup.

(Only applied when Play Type was set to Sequence.)



Select the Play Type option of Sequence or Time.

Time Options of each media file are not applied if the Play Type option was set to Sequence.

The order of the playlist can be modified by dragging a specific media file and dropping it at the position to be relocated in the Playlist window.

Click the Send button to update schedule of the monitor.

You can see progress of schedule update.

Wait a minute and then click the Start button to play media files on the basis of schedule.

A: SEND: Used to send the schedule information to the server.

START: Used to play media files according to schedule that is in the monitor.

STOP: Used to stop Media schedule of the selected monitor.

ALL: Check this option to start or stop Media schedule of all monitors.

Open File: Schedule that was edited can be saved in your local PC to send it to other monitors or to use it to other purposes. This button is used to open the Media Schedule file that is in your PC.

Save File: This button is used to save edited Media Schedule in your PC.

The file extension is *.vsf.

Server File: When you connect the client software to the monitor via Ethernet for the first time, the client software doesn't know the schedule information.

Use this button to get the schedule information from the server.

- B: Play Type: Defines how to play media files.
 - * Sequence : Media files are played in the order that are listed in the playlist window.
 - * Time: Media files are played during the time that are matched to Time options.

Time Option

Hour basis

The media file is played during the time that is matched.

This means that date option is ignored.

Day basis

The media file that is matched to the date and time options is played.

Year and month options are ignored.

* Week basis

The media file is played on the basis of week and time.

* None

All parameters in Start time and Stop time are applied.

Modify: Used to modify playback options of the selected media file.

Delete: Remove the selected media file from the playlist.

- C: Schedule File Transfer : Indicates progress of schedule update.
- D: Playlist: Display the list of media files for playback.

■ Message Schedule

Messages that are registered in the Schedule window can be displayed from the top message to the bottom message or during setup time on the bottom of the screen.

The text font, size and color can be modified.

Only one schedule file can be in the monitor.

Procedure of Message schedule

- Click the Message icon.
- Type the message and add it to the Message list widow.
- Edit message schedule and change options of each message.
- Send edited schedule to the monitor.
 - The information of Message schedule will be saved in the monitor.

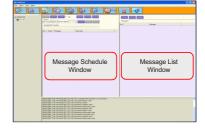
The monitor will display messages on the basis of schedule that is in the monitor.

- Wait for a minute and then click the Start button.

Refer to the following for information regarding the text display.



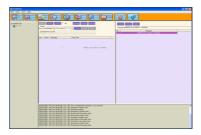
Click the Message icon. The right window will appear.



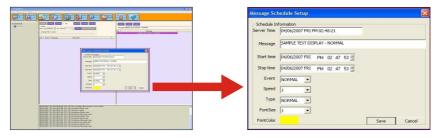


[Message List Window]

Type the message and click the Insert button to add it in the Message List window. Up to 255 characters can be typed.



Drag one or more messages in the Message List window and drop them in the Schedule window



Adjust options of each message for schedule. Up to 40 messages can be registered.

Click the Save button.

Server Time

Indicates current time of the selected monitor.

Message

Indicates the message to be displayed.

The message can also be modified in this window.

Start time

Start time of text display.

Only applied when Play Type was set to Time or the Event option was set to Time Event.

Stop time

Stop time of text display.

Only applied when Play Type was set to Time or the Event option was set to Time Event.

Care must be taken not to overlap playback time between messages.

Event

Select the Event option to Time Event to play the message from the Start time to Stop time. Only time parameters are applied.

This option has the highest priority than other setups when you display messages.

Speed

It indicates crawl speed of the message when Type is set to Flow.

When Type is set to Flash, this indicates flash speed of the message.

Type

It indicates how the message is displayed on the screen.

There are three options Normal, Flow and Flash.

- Normal: The message is still on the bottom of the screen.
- Flow: The message crawls from right to left on the bottom screen.
- Flash: The message flashes.

Font Size

Used to adjust the font size.

Font Color

Used to change the font color.



Select the Play Type option of Sequence or Time.

Time options of each message are not applied when the Play Type option was set to Sequence.

The order of the message list can be modified by dragging a specific media file and dropping it at the position to be relocated in the Message Schedule window.

Click the Send button to renew schedule information of the monitor.

You can see progress of schedule update.

Wait a minute and then click the Start button to display messages on the basis of schedule.

A: SEND: Used to send the schedule information to the server.

START: Used to display messages according to schedule that is in the monitor.

STOP: Used to stop Message Schedule of the selected monitor.

ALL: Check this option to send the schedule information to all servers.

This option is also used to start or stop Message schedule of all monitors.

Open File: Schedule that was edited can be saved in your local PC to send it to other monitors or to use it to other purposes. This button is used to open the Message Schedule file that is in your PC.

Save File: This button is used to save edited schedule in your PC. The file extension is *.msf.

Server File: When you connect the client software to the monitor via Ethernet for the first time, the client software doesn't know the schedule information.

Use this button to get the schedule information from the server.

- B: Play Type: Defines how to play media files.
 - * Sequence : Messages are displayed in the order that are listed in the Message Schedule window.
 - * Time: Messages are displayed during the time that matched to Time options of each message.

Time Option

* Hour basis

The message is displayed during the time that is matched to Time options.

This means that date option is ignored.

Day basis

The message that is matched to date and time options is displayed.

Year and month options are ignored.

* Week basis

The message is displayed on the basis of week and time.

* None

All parameters in Start time and Stop time are applied.

Insert: Used to register the message selected in the Message List window to the Message

Schedule window.

Modify: Used to modify schedule options of the selected message.

Delete: Remove the selected message in the Message Schedule window.

- C: Schedule File Transfer: Indicates progress of schedule update.
- D: Schedule: Display the list of messages for schedule.

■ File Transfer (Upload media files to the monitor)

You Media files must be uploaded to the monitor before the media schedule. It is impossible to upload media files to the root path (PATH=/).

Refer to the following to see how to transfer media files to the server.

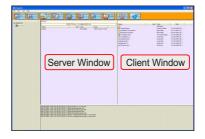


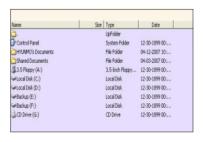
Click the File Transfer icon



< Server Window >

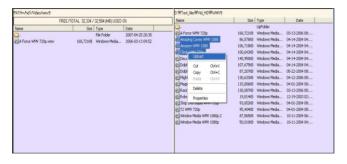
Storage devices that are connected to the monitor will be displayed in the Server window. Total capacity and usage of storage devices is displayed in the server window. Double click the folder to see its contents. Double click the to go to the upper folder. It is possible to delete media files and move them to other folders in the Server window.





You can see the contents in the client computer. Double click the folder to see its contents. Double click the to go to the upper folder.

- Media schedule has to be renewed if you renamed any folder or moved media files to other folders.
- It is highly recommended to do no other actions during the file transfer.



Select one or more media files.
Right-click of media files and then click
Upload button to transfer media files to the
monitor. The other way to upload media files
to the server, drag media files from the
Client window and drop them in the Server
window.

The File Transfer window that indicates progress of the file transfer will appear. The File Transfer window disappears after completion of the file transfer.

You can stop or restart the file transfer in the File Transfer window by click of ■ or ▶.

To delete the file in the File Transfer window, stop the transfer of media files and then select one of media files in the File Transfer window. Right-click the selected file and then click Delete.





■ Monitor Adjustment

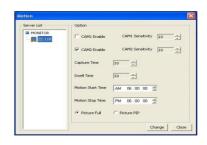
Options of motion detection and display mode can be changed using the client software. In this option volume adjustment of the internal speakers of the monitor is available.

Refer to following instructions to adjust the monitor.

Motion Setup



Click the Motion icon.



Change options on the Motion window.

Click the Change button to apply the new setup.

CAM 1 & CAM2 Enable

Used to activate the motion detection process of each camera.

CAM1 & CAM2 Sensitivity

Used to adjust the sensitivity of motion detection.

Capture Time

CAPTURE TIME is the interval that the motion detection is processed.

Dwell Time

Dwell Time is the time that the motion camera is display on the designated window.

Motion Start / Stop time

This option is used to set when the motion detection function is active.

Picture Full

The motion camera is displayed on full in the main window.

Display Setup



Click the Display icon.

Display Server List WODE PROPORTION WAS PERFORMENT FOR COMPONENT COMPONENT CA2 CA2 CA2 MEDIA Reverse PROVIDE Reverse Volume Mae Town Speaker On Oute Change Chase C

Change options on the Display window. Click the Change button to apply the new setup.

MODE

Used to change the display mode.

MAIN Source

Used to select the main video source.

PIP Source

Used to select the PIP video source.

Reverse

Apply this option to display MEDIA for motion event display. Cameras are motion event display when this option is not applied.

Volume mute

Apply this option to cut off the sound of the selected monitor.

Volume Control

Used to adjust the volume of the selected monitor.

■Emergency Message

An emergency message can be sent to all monitors in the same network.

The message also can be displayed with the audio file and the still image that were selected in the Emergency Setup window.

Refer to following instructions to display the emergency message.



Click the Emergency Setup icon to display the Emergency Setup window.



Click the Audio button to play an audio file with the emergency message.



Select the folder where the audio file is located. Choose the audio file that you want to play and then click the Open button. You can see progress of the audio file transfer.



Type the message to be displayed.
Up to 255 characters can be typed.
Set Font color and other options in the Option box.
Click the New button to add the newly typed message in the Emergency list.



The audio file has to be in the monitor to register it with the message. So the audio file has to be transferred to the monitor.

To transfer the audio file, click the Add button.



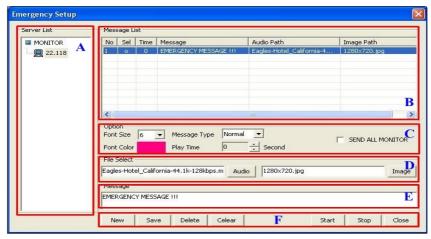
You can see the uploaded audio file. Choose the audio file and then click the Select button.



The selected audio file name will be seen on the Emergency Setup window. Use the same procedure to add the image file for display with Click the Save button to save the modified message.



Select one of the messages. Click the Start button to display the message selected.



[Emergency window - Detailed view]

A: Monitor list

Indicates registered monitors.

B: Message list

Indicates messages that have been registered.

The selected message is marked by "o" in the column of Sel.

C: Font Size

Used to change the font size.

Message Type

Used to decide how to display the message on the screen. You can select this option to Normal, Flow or Flash.

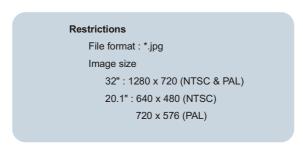
Font Color

Used to change the font color.

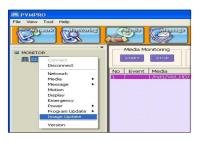
■Image Update (Company logo)

The background image can be seen when the Media is selected as the main or PIP video source. The default background image of the monitor can be changed to other images. But there are some restrictions.

Before Image Update, you have to stop playback of a media file.



Refer to following instructions to change the background image.



Right-click the server that you want to update and then click Image Update.



Select the folder where the image is located. Choose the image to be updated and then click the Open button.



Click the File Open button.



Click the Start button.



Wait Until the Update window disappears. Reboot the Media system.

- You have to reboot the media system to see the newly updated image.
- Right-click the server and then click Power / Reboot to reboot the Media system.

Play Time

Used to decide how long the message is displayed on the screen.

0 : The message is displayed until the stop button or is clicked

SEND ALL MONITOR

The unregistered message that is written in the Message box can be displayed on the screen.

In this condition, only the message is displayed on the screen.

Set this option to send the message that is not registered to all monitors.

D: Audio & Image

Indicates the name of the audio and the Video files to be played on the screen with the message.

E: Message

Type the message in this box.

F: New

Used to register the newly typed message.

Save

Used to save the modified message.

Delete

Used to delete the message that is in the Message List box.

Clear

Used to clear all options and the message in the Message box.

It is convenient to make the new message.

Start

Used to start Emergency.

Stop

Used to stop Emergency.

Close

Used to close the Emergency Setup window.

Refer to the following step to send the unregistered message to the selected monitor or all monitors.

- 1. Click the Emergency icon.
- 2. Select one of the messages in the Message List box.
- 3. Apply the option of Send All Monitor to send the message to all monitors in the LAN.
- 4. Clear the current message and Type the new message in the Message box. The default setups are applied when you click the Clear button.
- 5. Click the Start button.
- Click of will display the last selected emergency message of each monitor.

Application Update

This program is located in the HDD.

This program can be easily updated using the client software.

The newly updated program will be applied after the reboot of the Media system.

File extension: *.pvm

It is recommended to stop Media and Message Schedules before update.

The update file has to be in your PC before Application Update.

Refer to following instructions to update the program.



Right-click the sever to be updated. Select Program Update/Application.



Select the folder where the update file is located.

Select the correct file and then click the Open button.



Reboot the Media system.



Click the File open button.



Click Start.



Wait until the Update window disappears.

■ System Update

This is renewal of contents of the flash memory.

The flash memory contains OS, drivers and others.

It takes about 3~4 minute to complete System update.

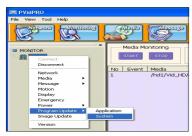
The newly updated software will be applied after the reboot of the Media system.

File extension · * bin

Stop media and text Schedules before update.

The update file has to be in your PC before System update.

Refer to following instructions to update the program.



Right-click the monitor to be updated. Select Program Update / System.



Select the folder where the update file is located.

Select the correct file and then click the Open button.



Reboot the Media system.



Click the File open button.



Click the Start button.



Wait until the Update window disappears.

CHAPTER 6 - TROUBLESHOOTING

Screen is black and power indicator is green.

- Ensure that the power cord is firmly connected and the LCD monitor is on.
- Check PHOTO INPUT adjustment..

No Picture.

- Check the signal connections.

The image is too light or too dark.

- Adjust the Brightness and Contrast.

Picture is improperly tinted.

- Check color adjustment.

The monitor is inaccessible using Ethernet connection.

- Check the LAN cable is firmly connected to the monitor.
- Check your network environment.
- Check network parameters of the monitor are correct.

Media files upload fail.

- Check the LAN cable is firmly connected to the monitor.
- Check your network environment.
- Check network parameters of the monitor are correct.

Can not display messages.

- Check the message list is correctly made.
- Check the schedule type was set to Time basis.
- Check the background image is fit to recommended size.

Motion is not detected or detected too often.

- Adjust sensitivity of motion detection.

Remote control malfunctions.

- Check the battery terminals.
- Replace the remote control batteries.

No sound.

- Ensure that the audio cables are firmly connected to both the audio-in ports on your monitor.
- Check the volume level.

CHAPTER 7 - SPECIFICATION

Items			32.0 inch PVM Pro	20.1 inch PVM Pro
	Size		32 inch	20.1 inches
LCD	Pixel Format		1366 x 768 x RGB	640 x 480 x RGB
	Brightness (Typical)		500 cd/m2	450 cd/m2
	Contrast Ratio (Typical)		1200 : 1	800 : 1
	Viewing Angle H/V		178 / 178	178 / 178
	Color Depth		8bit / 16.7M Colors	8bit / 16.7M Colors
	Light Source / Lifetime		16 CCFLs / 50,000 Hrs	CCFL / 50,000 Hrs
	Response Time		8 ms (Gray to Gray)	25 ms (Rise + Decay time)
	System	o (Typiodi)	NTSC / PAL	NTSC / PAL
	System	Level	1Vp-p @ 75 ohm	1Vp-p @ 75 ohm
		LCVCI	Internal Camera x 1	Internal Camera x 1
		Input	External Camera x 2	External Camera x 2
	Composite		Internal Camera x 1	Internal Camera x 1
		Output	External Camera x 2	External Camera x 2
		0	BNC BNC	BNC BNC
		Connector		
	S-Video	Level	1Vp-p (L), 0.3(C)Vp-p @ 75ohm	1Vp-p (L), 0.3(C)Vp-p @ 75ohm
		Connector	4pin Mini-DIN X 1	4pin Mini-DIN X 1
		Mode	1080i, 720p, 480p, 480i	-
	Component	Signal	YPbPr (SOY)	-
		Level	1Vp-p(Y), 0.3Vp-p(Pb & Pr) @ 75 ohm	-
Video		Connector	3-terminal RCA x 1	-
		Mode	1366 x 768 @ 75Hz Max	-
		Signal	Analog RGB & H/V Sync.	-
	PC (Analog)	Level	0.715Vp-p (RGB) & TTL (Sync.)	-
		Connector	15 Pin D-SUB	-
		Plug & Play	DDC 2B	
		Mode	1366 x 768 @ 75Hz Max	
	PC (DVI)	Connector	DVI-I	-
	` ′	Plug & Play	DDC 2B	-
		Level	Line Level	Line Level
		Input	2-Terminal RCA x 2	2-Terminal RCA x 1
	Audio	Output	Phone Jack x 1	Phone Jack x 1
		Amplifier	5W x 2	5W x 2
HDD			40GB x 1	40GB x 1
Ethernet			RJ45 x 1	RJ45 x 1
	USB 2.0 Host		x 1	x 1
USB	USB 2.0 Posice		x 1	x1
	Video Decoding		MPEG-1, MPEG-2 MP@HL	MPEG-1, MPEG-2 MP@HL
			MPEG-4.2 ASP@L5(720p), WMV9	MPEG-4.2 ASP@L5(720p), WMV9
Playback			JPEG	JPEG
Ріаураск			MPEG-1 Layers 1, II and III,	MPEG-1 Layers 1, II and III,
	Audio Decoding	g		1
			MPEG-4 Low Complexity AAC 1	MPEG-4 Low Complexity AAC
	No. of Camera		1/3"	1/3"
	CCD		11	***
	Resolution		480 TVL	480 TVL
Camera	Sensitivity		1 Lux (F2.0, 50 IRE)	1 Lux (F2.0, 50 IRE)
(Internal)	S/N Ratio		50 dB	50 dB
	Auto Iris		Yes	Yes
	AWB		Yes	Yes
	Electronic Shut	tter	1/60 ~ 1/100,000	1/60 ~ 1/100,000
			1/50 ~ 1/100,000	1/50 ~ 1/100,000
	VF Lens		4 - 9 mm (F2.0 ~ 2.8)	4 - 9 mm (F2.0 ~ 2.8)
WDR			Option	Option
Light Sensor (Power save mode)			Yes	Yes
Text Overlay			Yes	Yes
Power Requirement			AC 100 ~ 240V (50/60 Hz)	DC 12V / 6.2A
Power Consumption			200 W	75 W
Operating Temperature			5 ~ 40°C	5 ~ 40°C
Storage Temperature			0 ~ 50°C	0 ~ 50°C
Dimension			796.50mm x 592.00mm x 108.25mm (Net)	472.40mm x 459.40mm x 101.31mm (Net)
Difference			915.0mm x 715.0mm x 270.0mm (Packing)	640.0mm x 540.0mm x 190.0mm (Packing)
Weight			22.5 kg (Net)	10.5 kg (Net)
Weight			22.5 kg (Net) 28 kg (Packing)	10.5 kg (Net) 14.5 kg (Packing)
weight				
Accessories	;		Manual, Remote Control, Client S/W, VGA Cable DVI Cable, USB Cable, Power Cord	Manual, Remote Control, Client S/W, Adaptor USB Cable, Power Cord



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