

Technical Brief

IP Monitor Functional Comparison between Models

FDF4627W-IP
FDF2712W-IP
FDF2711W-IP
FDF2312W-IP
FDF2304W-IP
DX0212-IP
DX0211-IP

Rev. A
(11/22/2022)

Indexes

1	Overview.....	3
2	Functional Differences between Models.....	3
2.1	Remote Control.....	3
2.2	USB Storage Device.....	4
2.3	HDMI and Resolution.....	4
2.4	Display Capabilities.....	5
2.5	Security.....	6
2.6	Live Image Screen.....	7
2.7	Camera Function Settings.....	10
2.8	Management of IP Monitors in Remote Locations.....	11
2.8.1	IP Monitor Management Using Browser.....	11
2.8.2	IP Monitor Management Using Software.....	12
2.9	Other Functions.....	12

1 Overview

This document describes the functional differences between models.



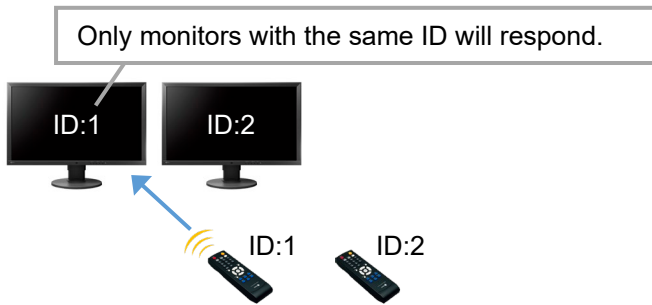
IP monitors are classified according to the system software version as follows.

System Software	Model
Ver.4	FDF4627W-IP, FDF2304W-IP
Ver.5	FDF2711W-IP, DX0211-IP
Ver.6	FDF2712W-IP, FDF2312W-IP, DX0212-IP

2 Functional Differences between Models

2.1 Remote Control

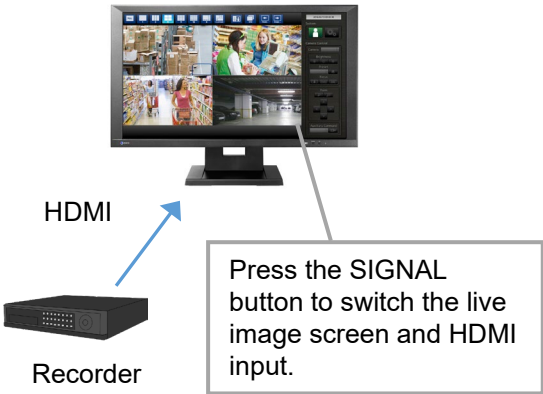


Ver.5 and Ver.6 IP monitors do not include a remote control.

Function	Description	Ver.4	Ver.5	Ver.6
Live Image Screen Operation	The live image screen can be operated with the remote control. 	✓	✓	✓
Up, down, left, and right buttons	You can use the up, down, left, and right buttons to select the top menu of the live screen and the camera image.			✓
Setting Screen Operation	The setting screen can be operated with the remote control. 	✓		
Remote Control ID	You can set the ID of the remote control and monitor. This prevents accidental operation in the environment where multiple monitors are located. 		✓	✓

2.2 USB Storage Device


Ver.5 and Ver.6 do not support USB storage devices (USB memory sticks).

2.3 HDMI and Resolution

Ver.4	Ver.5, Ver.6
<p>HDMI input is supported. The monitor can also be used as a display device for recorders.</p> <p>FDF4627W-IP, FDF2304W-IP: HDMI input x 1 (Maximum 1920 x 1080)</p> 	<p>HDMI output is supported. The live image screen can be displayed on two monitors.</p> <p>DX0212-IP, DX0211-IP: HDMI output x 2 (Maximum 3840 x 2160)</p>  <p>FDF2712W-IP, FDF2711W-IP, FDF2312W-IP: HDMI output x 1 (Maximum 1920 x 1080)</p> 

2.4 Display Capabilities

Ver.4	Ver.5	Ver.6
Up to 16 cameras can be registered.	Up to 48 cameras can be registered.	FDF2712W-IP, DX0212-IP: Up to 48 cameras can be registered. FDF2312W-IP: With the factory default, up to 16 cameras can be registered. If you register an enterprise license, up to 48 cameras can be registered.
Up to 16 cameras can be displayed simultaneously. Video codec H.264 and MJPEG ¹ are supported. The reference values for the resolution and frame rate of cameras that can be displayed simultaneously are as follows: [When the bitrate is set to 4096kbps] <ul style="list-style-type: none"> • 1-screen layout: 1920 x 1080 / 30 fps • 4-screen layout: 1920 x 1080 / 20 fps • 16-screen layout: 640 x 480 / 30 fps 	Up to 32 cameras can be displayed simultaneously. Video codec H.265 ² , H.264 and MJPEG ¹ are supported. The reference values for the resolution and frame rate of cameras that can be displayed simultaneously are as follows: [When the bitrate is set to 4096kbps] <ul style="list-style-type: none"> • 1-screen layout: 3840 x 2160 / 30 fps, 1920 x 1080 / 60 fps • 4-screen layout: 3840 x 2160 / 20 fps, 1920 x 1080 / 60 fps • 16-screen layout: 1920 x 1080 / 20 fps • 32-screen layout: 1280 x 720 / 15 fps 	

Function	Description	Ver.4	Ver.5	Ver.6
Playback	You can play back recorded data stored on the camera's SD card. 		✓ ³	✓ ³
SRT	SRT is a next-generation video transmission protocol that securely, reliably, and without delay transfers streams such as H.264 and H.265 in unstable network environments like the Internet.		✓ ⁴	✓ ⁴

¹ MJPEG is available only with the ONVIF protocol.

² For the latest H.265 compatibility status, please refer to the camera compatibility information on EIZO website.

³ Enterprise License and Extension Playback License are required.

⁴ Enterprise License and Extension SRT License are required.


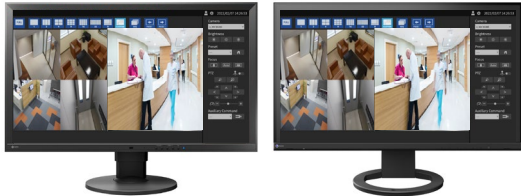
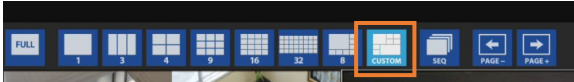
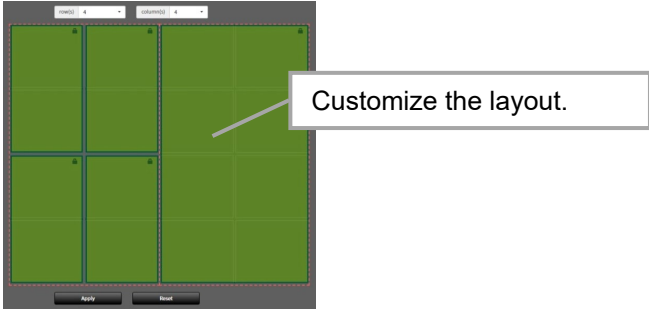

MPEG2-TS	MPEG2-TS is a standard for sending image and audio data together. The monitor extracts and displays the H.264 or H.265 images contained in the MPEG2-TS stream.		✓	✓
----------	---	--	---	---

2.5 Security

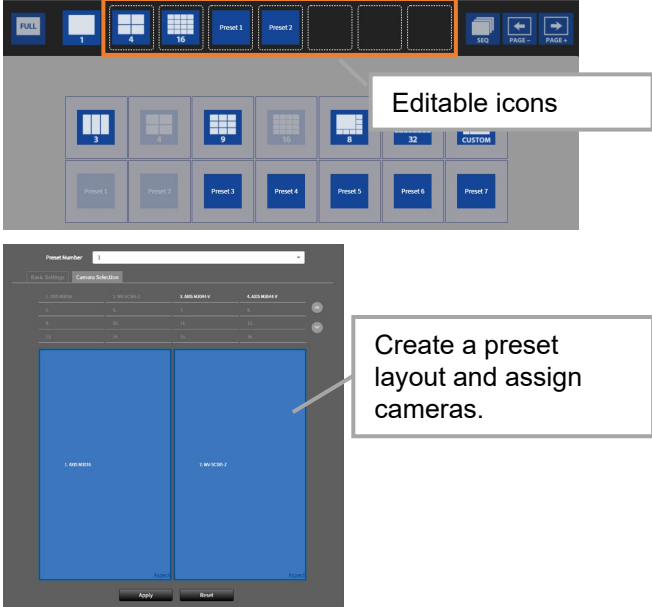
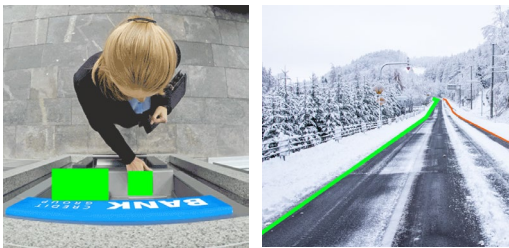
Function	Description	Ver.4	Ver.5	Ver.6
Key Lock	Disables the buttons on the front of the monitor.	✓	✓	✓
USB Lock	Disables the use of USB devices connected to the monitor.	✓	✓	✓
Remote Control Lock	Disables the use of the remote control.	✓	✓	✓
HTTPS	Encrypts communication between the monitor and other network devices (camera or computer).		✓	✓
IP Address Filter	Restricts network devices that can access the monitor by IP address.		✓	✓
AXIS SRTP	Encrypts video using AXIS SRTP		✓ ⁵	✓ ⁵
LDAP	Users and passwords for monitors can be centrally managed on an LDAP server.		✓ ⁵	✓ ⁵
IEEE 802.1X	Enables the monitor to be connected to a network protected by IEEE 802.1X.		✓ ⁵	✓ ⁵



⁵ Enterprise License is required.

2.6 Live Image Screen

Category	Function	Description	Ver.4	Ver.5	Ver.6
Installation	Multi-monitor Display	Displays the screen on two monitors. Extended:  Duplicate: 		✓	✓
	Portrait Display	Right rotation (90°) and left rotation (270°) are possible. Multi-monitor display is supported.		✓ ⁶	✓ ⁶
Layout	Custom Screen	You can customize the layout of the custom screen.  	✓	✓	✓
	Fixing Camera Position	Fixes the cameras so that they always appear in the same position, regardless of page switching. This is available for the custom screen only. 		✓	✓

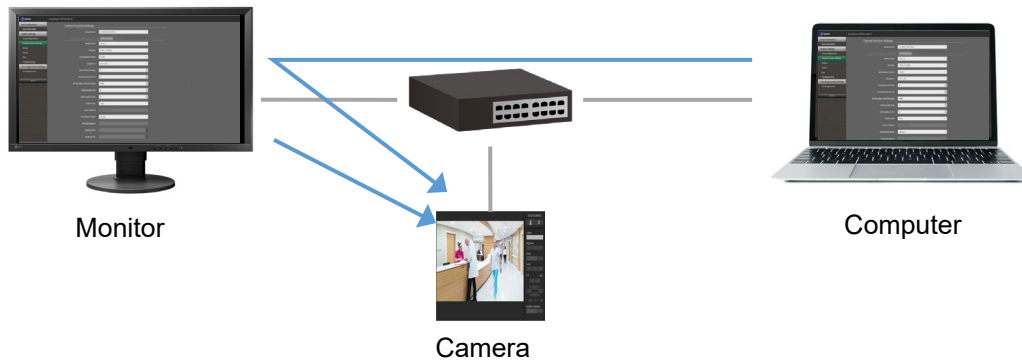
⁶ Enterprise License is required.

	Icon Arranger	Arranges and removes the layout icons. You can also create up to seven preset layouts and display their icons. 		✓ ⁶	✓ ⁶
Camera image	Camera Name Display	Displays the camera name in the upper left of the image.	✓	✓	✓
	Camera Name Customization	Changes the camera name size, color (White / Black), border, background, and position (Upper left / Upper right / Lower left / Lower right).		✓	✓
	Visibility Optimizer Function	Makes the camera image easier to view by the outline enhancement, low-light correction and noise reduction.	✓		
	Privacy Mask / Virtual Line	Displays privacy masks and virtual lines on camera images. 		✓	✓
Camera PTZ	PTZ Operation	Operates the PTZ (pan/tilt/zoom) of the camera.	✓	✓	✓
	Position Adjustment by Mouse	When you click the camera image with the mouse, panning and tilting work so that the place you clicked is centered.	✓		

	PTZ Adjust	<p>You can adjust the amount of change when panning, tilting, or zooming.</p> 		✓	✓
	Overlay Display of PTZ Operation Buttons	<p>When you move the mouse cursor over the camera image, the PTZ operation buttons will appear.</p> 		✓	✓
Auxiliary Command	Camera Auxiliary Command	Execute auxiliary commands of the camera to operate their wipers and infrared functions.	✓	✓	✓
	Sending HTTP Command	You can use the auxiliary command on the live image screen to send HTTP commands to other network devices. You can also execute the monitor's own Web API.		✓	✓
Input Device	Remote Control	Operates the live image screen.	✓	✓	✓
	Mouse	Operates the live image screen.	✓	✓	✓
	Keyboard	Operates the live image screen. You can also use shortcut keys such as the L key to switch the layout.		✓	✓
	Joystick	Operates the camera's PTZ. Only AXIS T8311 joystick is supported.		✓	✓

2.7 Camera Function Settings

Ver.5 and Ver.6 enable you to change the camera's functional settings from either the monitor or the browser.



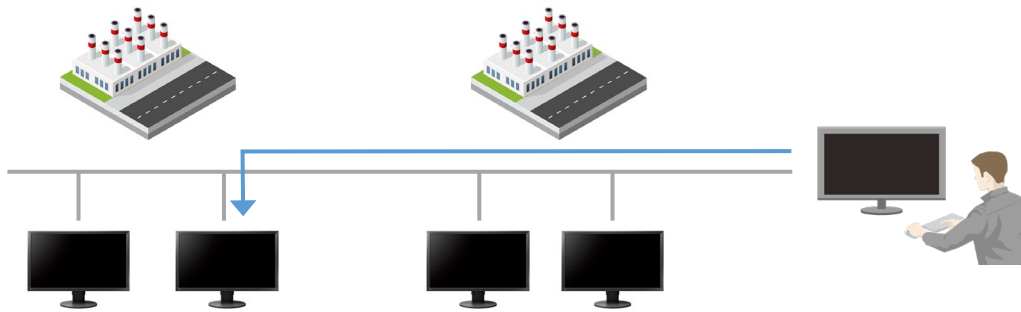
Protocol	Camera Function Settings	Ver.4		Ver.5		Ver.6	
		Monitor	Browser	Monitor	Browser	Monitor	Browser
Panasonic/ i-PRO	Camera Info. Display/Clock Settings	✓		✓	✓	✓	✓
	Video Settings	✓		✓ ⁷	✓ ⁷	✓ ⁷	✓ ⁷
	Preset	✓					
	Other	✓		✓	✓	✓	✓
AXIS	Camera Info. Display/Clock Settings	✓		✓	✓	✓	✓
	Video Settings	✓		✓	✓	✓	✓
ONVIF	Camera Info. Display/Clock Settings	✓		✓	✓	✓	✓
	Video Settings	✓		✓	✓	✓	✓
	Preset	✓		✓		✓	

⁷ The Aspect Ratio is not supported. The Resolution is read-only.

2.8 Management of IP Monitors in Remote Locations

2.8.1 IP Monitor Management Using Browser

The ability to configure monitors using a browser has been added to Ver.5 and Ver.6. This is useful for troubleshooting monitors in remote locations.



Function	Description	Ver.4	Ver.5	Ver.6
Settings Data Migration	Saves settings data to a file. In addition to backup purposes, when multiple monitors are installed, after setting one monitor, the same settings data can be loaded into other monitors.	✓	✓	✓
Displaying Logs	Displays the operation log and system log.	✓	✓	✓
Saving Logs	Saves the operation log and system log to a file.	✓	✓	✓
Connection Confirmation	Executes ping and traceroute commands for the registered cameras.		✓	✓
Software Update	Updates the monitor's system software.	✓	✓	✓
License Activation	Register an enterprise license or extension license to add available functions.		✓	✓
Livestream View	Displays the monitor's live image screen in your browser. If there is a problem with a remote monitor, you can check what is displayed on the live image screen.		✓ ⁸	✓ ⁸
Refreshing Status of Video Stream	Refreshes the camera image on the live image screen. When you execute a stream refresh, the monitor will reconnect to the camera. When the camera image shows an error, the stream refresh may improve the situation.		✓	✓

⁸ Enterprise License is required.

2.8.2 IP Monitor Management Using Software

Software	Description	Ver.4	Ver.5	Ver.6
EIZO IP Decoder Utility	<p>EIZO IP Decoder Utility is software for managing IP monitors.</p> <ul style="list-style-type: none"> • Software update and license activation for multiple monitors on a network can be performed at once. • Creates a diagnostic report for the monitor. The diagnostic report is used by EIZO to analyze the problem, and users cannot view the contents. 		✓	✓
EIZO Video Wall Plugin for Milestone XProtect	<p>EIZO Video Wall Plugin is a plugin for managing IP monitors through Milestone XProtect VMS.</p> <ul style="list-style-type: none"> • Monitors on the network can be centrally managed from the VMS. • You can build video walls with multiple monitors to display the camera images. 		✓ ⁹	✓ ⁹
Third-party SNMP Monitoring Software (SNMP Manager)	<p>Simple Network Management Protocol (SNMP) is a communication protocol for monitoring and controlling devices connected to a network. IP monitors work as an SNMP agent and can be monitored using an SNMP manager.</p>		✓	✓

2.9 Other Functions

Function	Description	Ver.4	Ver.5	Ver.6
Web API	<p>Web API is an API (Application Programming Interface) accessed using the HTTP protocol. IP monitors provide APIs to get and changes the monitor settings for network devices and third-party software.</p>	✓	✓	✓
Event Rules	<p>When a specified event occurs, the monitor sends HTTP commands to other network devices. You can also execute the monitor's own Web API.</p>		✓	✓
Failover	<p>Failover is a function that is expected to be used with VMS. When a monitor with the failover function enabled is unable to communicate with the server, it connects directly to the camera registered for failover to display the image.</p>		✓ ¹⁰	✓ ¹⁰

⁹ Each monitor requires an Enterprise License.

¹⁰ Enterprise License and Extension Failover License are required.