



FDF4627W-IP

Your advantages

The IP decoding monitor allows you to connect to security and surveillance cameras without a computer. It carries out control records for Axis (VAPIX) and Panasonic IP cameras in keeping with the ONVIF standard. The FDF4627W-IP connects up to 16 IP cameras with a LAN cable, thereby enabling computer-free video surveillance over the network. Layout and camera options can be adjusted using the included remote control or via the user-friendly web UI. The monitor features a Web API that supports integration with the local VMS.

- ✓ No PC needed to connect IP surveillance cameras and video streams
- ✓ Highly performant decoding technology up to 16 streams
- ✓ Easy change of settings and event reactions through web interface and API
- ✓ Data security for live data
- ✓ Anti reflective Full-HD monitor with high contrast and true colour from all viewing angles
- ✓ Smart Insight/Low-Light Correction: improved visualization of dark areas
- ✓ Precise image visualization through 10Bit conversion
- ✓ Supported camera protocols : ONVIF, Panasonic, VAPIX

Features

Connecting to surveillance cameras without a computer

The monitor is ideal for displaying your surveillance cameras efficiently. Up to 16 IP cameras can be connected directly to the monitor by means of a LAN cable. This means that the monitor can be operated without a PC. It can also be mounted on walls or ceilings thanks to a VESA attachment. Not only does this negate the need for having to install a computer, but it also simplifies the cable routing. Only a power supply and a network connection are needed. (The adjacent image shows an example involving the FDF2304W-IP)



High Performance Decoding Technology

The monitor comes equipped with decoding technology to ensure that images are displayed with no delay and are true to the original source data. This eliminates the need for an additional decoder.

Data protection and viewing of camera images

Sometimes live video is required, but storage of images is not allowed. But how can one ensure that no images are recorded? The EIZO IP decoding monitors allow only for the live display of videos. Operators have no way of accessing or exporting video streams. Possible scenarios involve hospitals, prisons, public spaces, checkout counters, front desks and applications for the protection of people.

Edge recording and live video

Where a decentralized recording solution is used (such as edge recording with cloud archiving) live displaying is a challenge. Either software is needed, or streams need to be fetched from the cloud, generating additional traffic on your internet connection (2). With the EIZO IP monitor, it is possible to directly view live video from the cameras (1), completely separated from your recording solution.



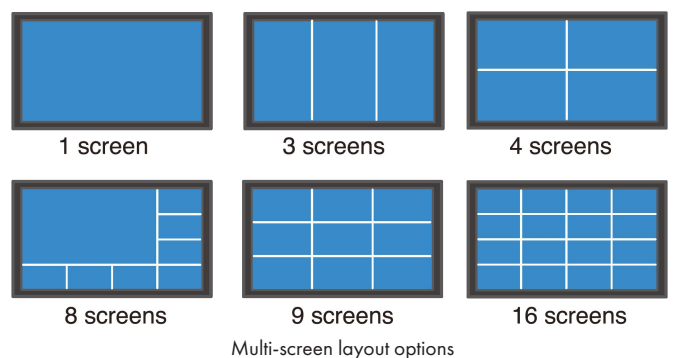
EIZO IP decoding monitors display the videos directly and live. This saves bandwidth and is easy to integrate, thereby decreasing costs.

VMS-independent fallback solution

VMS forms the basis for reliable video playback in modern VSS solutions. Even though the platform is protected from foreseeable events thanks to server redundancy, the VMS solution – establishing a connection to the operators via a client – should be seen as a critical point. If this system comes under attack or is disabled, the IP decoding monitor, which is independent of the VMS, can provide a redundant solution. To achieve this, it is simply connected directly to the surveillance cameras, the network connection of which is still operational.

Easily Adjust Settings

Settings such as video layout and camera control are adjustable manually using the included remote control or via the user-friendly web UI for flexible operation.



Custom Screen Layout

Fulfill your individual viewing needs with flexible arrangement of up to 16 screens in a custom layout. Merge individual video feed windows to focus on specific areas, or split them to see more on a single screen using the intuitive user interface. Videos can be viewed in the original aspect ratio or stretched to fill the customised space.

Features

Functionality with leading VMS

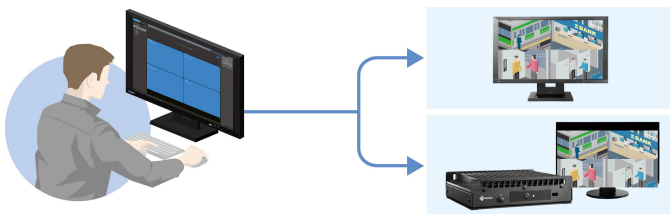
EIZO collaborates with leading security and surveillance solution providers to ensure technical compatibility and optimised functionality with various video management systems (VMS).

[Learn more about integration with video management systems](#)



Genetec Security Centre plug-in

EIZO and Genetec collaborated to design a plugin that fulfils many sought-after end user requirements for security systems across the world. By integrating the Genetec™ Security Centre video wall framework, users can easily setup and manage EIZO's DuraVision IP decoding monitors remotely. Using the Security Centre interface, operators can simply drag and drop the video feed from registered cameras to the desired position and the settings will be automatically reflected on the target monitor. The number and layout of the video feeds can also be easily configured on the same screen. DuraVision IP decoding solutions can also respond to dynamic instructions from Security Centre when specific events occur, such as expanding the screen in response to unauthorised access.

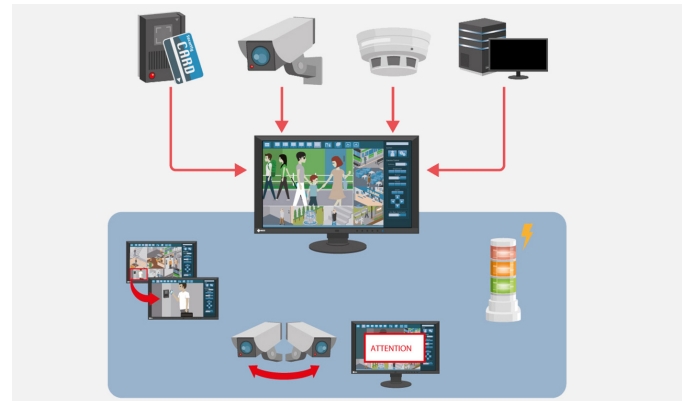


The camera position and video layout of IP decoding solutions can be managed via the Genetec Security Centre.

Customisable event response with Alert-to-Action

The FDF4627W-IP can be integrated into security systems via a web API. The API is used to communicate and respond to alarms in the security network. An alarm from an IP camera or a VMS (video management system) to the IP decoding solution can trigger actions, such as changes to the layout, text overlays or a variety of other functionalities. The API allows you to flexibly connect a series of notification systems from IP cameras, VMS, access control systems and other devices and applications that support alarm functionalities.

EIZO works closely with security system providers and end-users to customise Alert-to-Action for each environment.



EIZO IP decoder solutions allow Alert-to-Action to be customised for individual environments.

Alert-to-Action for hospitals and clinics

An efficiently running facility relies heavily on nursing staff and security personnel having the right information at the right time. See how Alert-to-Action helps facilitate optimal patient care, maintain safe environment, and save time and resources.

[Learn more](#)



Secure investment with support for over 250 cameras

The DuraVision FDF4627W-IP supports cameras with ONVIF Profile S, Axis VAPIX and Panasonic protocols for flexible installation and guaranteed interoperability with a wide range of products. A direct connection via RTSP is also available.

[Further information on camera compatibility can be found here.](#)



Features

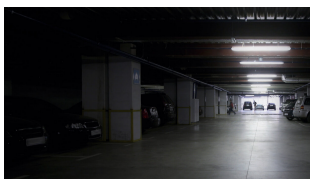
Visibility Optimizer for clear images

Equipped with the Visibility Optimizer, the user achieves clear images thanks to the image enhancement technologies Low-Light Correction and Outline Enhancer. The benefit: The image enhancement takes place in the monitor and surveillance cameras can be accessed easily.

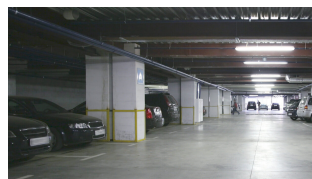
Low-Light Correction: Improved display of dark areas

Low-Light Correction automatically identifies dark and unclear areas of the image and optimises them. Dark areas are brightened up to achieve a more realistic depth effect. The visibility of surveillance cameras in difficult lighting conditions is increased. Persons or objects can therefore no longer merge into the shadows.

Practical too: the day/night default settings. You can choose between the "Day" and "Night" default mode settings using the remote control. These are optimised to the respectively changing light conditions.



Without Low-Light Correction



With Low-Light Correction

Sharper images with Outline Enhancer

The Outline Enhancer technology developed by EIZO analyzes the content display and automatically corrects blurry areas. The image is sharper, with less noise. Objects in the foreground are given a stronger focus for realistic depth sharpness.



Without Outline Enhancer



With Outline Enhancer

Optimise Settings for Cameras

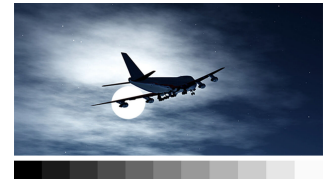
Individually optimise Low-Light Correction and Outline Enhancer settings for up to 4 connected cameras in any layout. This is helpful when multiple cameras are used in environments with differing ambient lighting conditions.

Precise image rendering thanks to 10 bit conversion

The monitor converts 8 bit signals into 10 bit and selects the optimal colour values from a 10 bit look-up table (LUT). The effect: You will experience a colour-proof image with a fine resolution. The optimised data is then converted into an 8-bit output signal. This leads to fluid colour tone gradations. This is helpful in identifying difficult to distinguish people and objects.



Without 10 bit conversion



With 10 bit conversion

High contrast and colour accuracy from all angles of view.

The VA panel with wide viewing angle ensures that the contrast hardly falls when viewing the screen from any angle and there are only minimal differences in colour. This means that exact colour rendering and clear images can be achieved even in the corners of the screen.

Full HD screen with anti-glare coating

The monitor has a Full HD resolution of 1,920 x 1,080 pixels that fills the entire screen. The monitor therefore has space to conveniently display even large quantities of information. Images from Full HD cameras are rendered true down to the slightest detail, without annoying black bars. Reflected light is scattered thanks to its anti-reflection coating. The benefit: Your eyes do not get tired as quickly.



Screen without anti-reflection coating



Screen with anti-reflection coating

Noise suppression

The monitor reduces block artifacts caused by video compression.

Integrated power unit

Thanks to an integrated power unit, the monitor can be connected to a power socket via a power cable.

Features

24/7 use guaranteed

The IP decoding monitor is designed for zero-maintenance operation around the clock and protected from unauthorised access. It does not require virus scanners, security updates, operating system maintenance or licences. This reduces maintenance expenditure considerably and prevents unnecessary downtimes as well as costs. The monitor has been designed for round-the-clock use and boasts exceptional reliability. EIZO provides a two-year warranty.

Specification

General

Item no.	FDF4627W-IP
Case color	Black
Areas of application	Industry, Video surveillance systems
Product line	DuraVision

Display

Screen size [in inches]	46
Screen size [in cm]	116.8
Visible size diagonal [mm]	1168
Format	16:9
Viewable image size (width x height)	1018 x 573
Ideal and recommended resolution	1920 x 1080 (Full HD)
Pixel pitch [mm]	0.53 x 0.53
Panel technology	VA
Max. viewing angle horizontal	178 °
Max. viewing angle vertical	178 °
Number of colours or greyscale	16.7 million colours (RJ-45, 8 Bit), 16.7 million colours (HDMI, 8 Bit)
Max. brightness (typical) [in cd/m ²]	700
Max. dark room contrast (typical)	4000:1
Typical response time [grey/grey alternation]	6.5 ms
Backlight	LED

IP-Decoding

Video decoding	H264, MJPEG
Number of simultaneous streams	Full HD: 1-4 streams, VGA: 1-16 streams
Supported transfer protocols	ONVIF Profile S, Axis VAPIX, Panasonic, RTSP

Features & control

Web API for configuration and operation	✓
VMS support	Accellence Technologies, Genetec, Schille
PTZ control incl. presets	✓
Alert-to-Action	✓
24/7 operation	✓
Visibility Optimizer	Smart Insight/Low-Light Correction, Smart Resolution/Outline Enhancer
OSD language	de, en, fr, es, it, se, ja, zh
Adjustment options	Noise Reduction, Camera Control
Remote	✓
Integrated power unit	✓

Ports

Signal inputs	HDMI
Network connection	RJ-45

Electric data

Maximum Power Consumption [in watt]	110
Power Save Mode [in watt]	16
Power supply	AC 100-120 V / 200-240 V, 50/60 Hz

Dimensions & weights

Dimensions without stand [mm]	1067 x 622,5 x 80,4
Weight without stand [in kilograms]	19.6
Housing dimension details	Dimension drawing (PDF)
Hole spacing	VEESA standard 400 x 200 mm

Certification & standards

Certification	CB, CE, FCC-A, CAN ICES-3 (A), VCCI-A, CCC, WEEE, UL/cUL, RoHS, China RoHS
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Software & accessories

Additional supply	Power cord, Manual, Remote control, Quick guide
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Warranty

Warranty and service	2 years
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