→ **Product Website**

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

High-performance operation
Without a computer

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 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 solutions 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 DuraVision FDF4627W-IP, it is possible to directly view live video from the cameras (1), completely separated from your recording solution.

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

Secure investment with support for over 300 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.
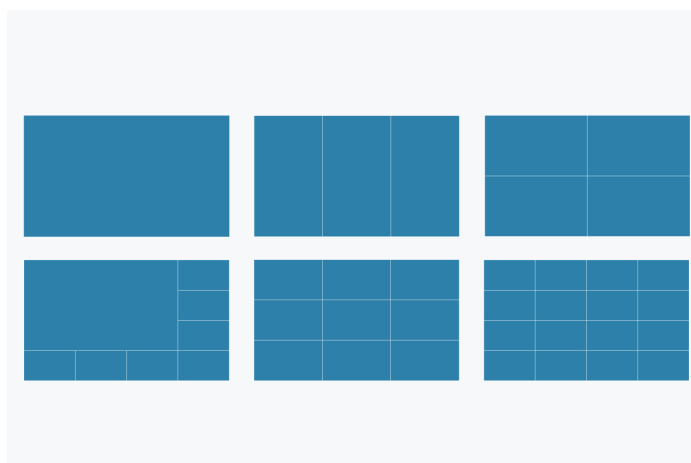
Further information on camera compatibility can be found here.

Easy to use
Features for greater comfort

Adjustable screen layout

You can easily adjust the layout of the video streams with six default options, displaying up to 16 video images via the user-friendly web UI. The flexible arrangement of screens on each monitor in a custom layout also allows you to fulfil individual viewing needs. By means of a custom layout, you can merge individual windows to focus on one specific area, or split them to see more than one on a single screen. Video feeds can be viewed in the original aspect ratio or stretched to fill the custom-created space.
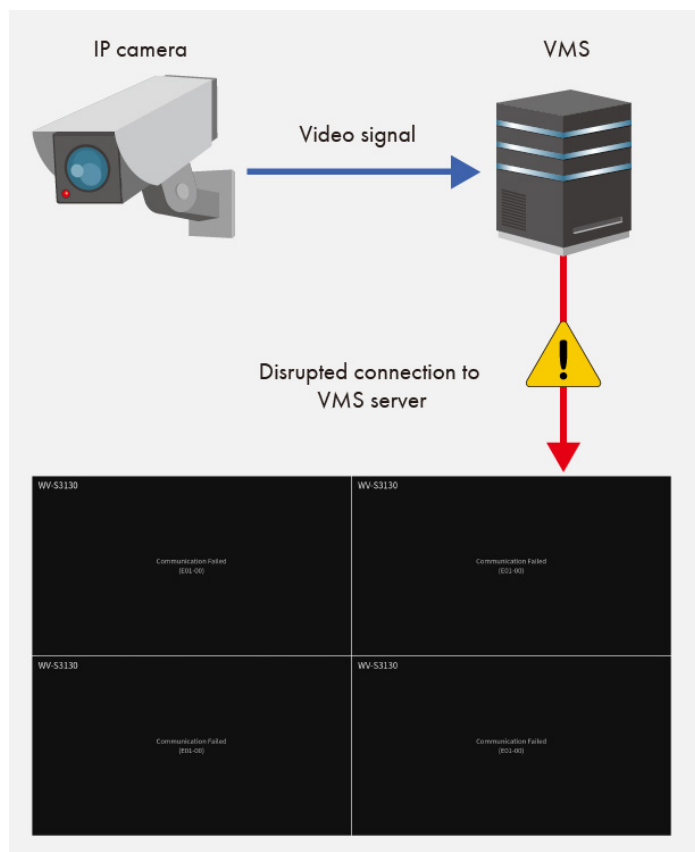
Integration in security systems
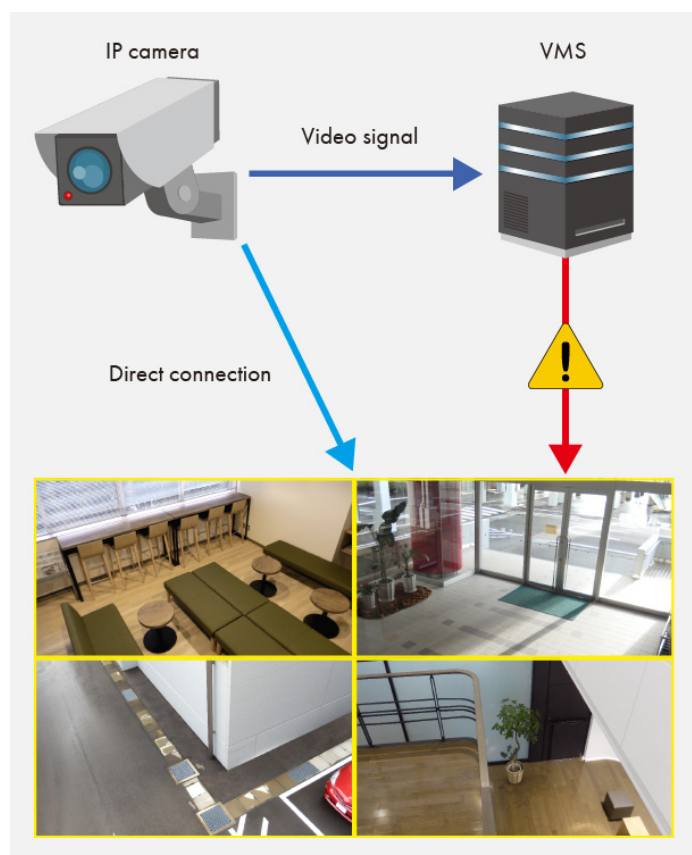## Highly compatible

VMS Failover

If required, the EIZO decoding solution can automatically take control over the image displayed from the camera streams in the desired layout. This solution offers a backup if the VMS no longer initiates or provides streams for screen output.

This is particularly important where the connection to the VMS is vulnerable, for example within weak infrastructure, or where the shutdown of the VMS is the focus of criminal or terrorist activity.

Without VMS failover: videostream no longer displays

With VMS failover: video stream continues to be received directly from the IP camera

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.
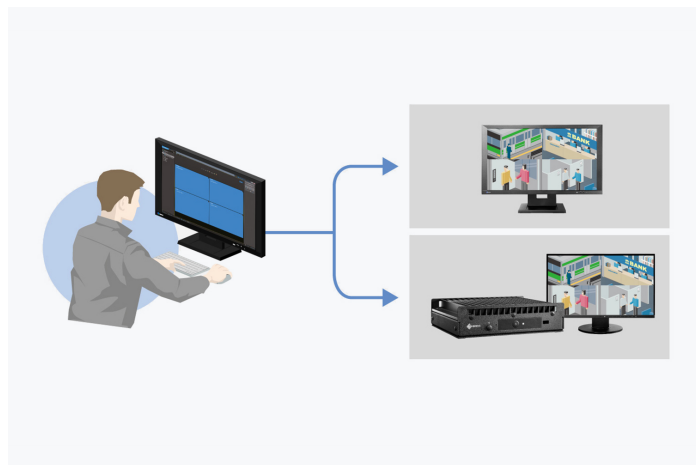
Genetec Security Centre plug-in

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 Center video wall framework, users can easily setup and manage EIZO's DuraVision IP decoding monitors remotely. Using the Security Center 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 Center when specific events occur, such as expanding the screen in response to unauthorised access.
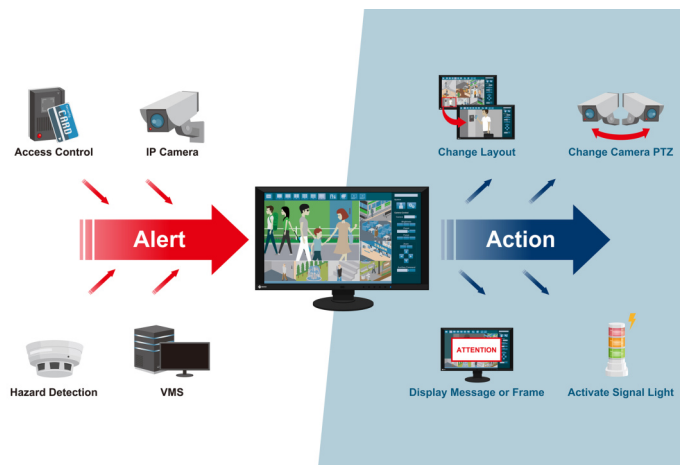

The camera position and video layout of IP decoding solutions can be managed via the Genetec Security Center.

Customizable 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.

Alert-to-Action: event response for every environment

An efficiently running facility relies heavily on staff and security personnel having the right information at the right time. See how Alert-to-Action helps facilitate streamlined operations and maintain a safe environment for hospitals, public transportation hubs, and more.

Image quality
Precise, high-contrast, bright and crisp screen

FOR CLEAR IMAGES
Visibility Optimizer

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.

Individually optimize 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.
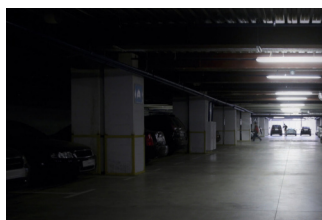
IMPROVED DISPLAY OF DARK AREAS
Low-Light Correction

Low-Light Correction automatically identifies dark and unclear areas of the image and optimizes 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 optimized to the respectively changing light conditions.

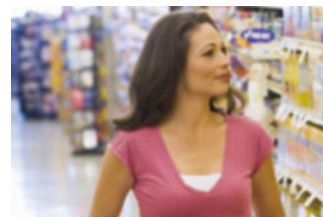**With Low-Light Correction**   **Without Low-Light Correction**

SHARPER IMAGES
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.

With Outline Enhancer   **Without Outline Enhancer**

Noise suppression

The monitor reduces block artifacts caused by video compression.

Precise image rendering thanks to 10 bit conversion

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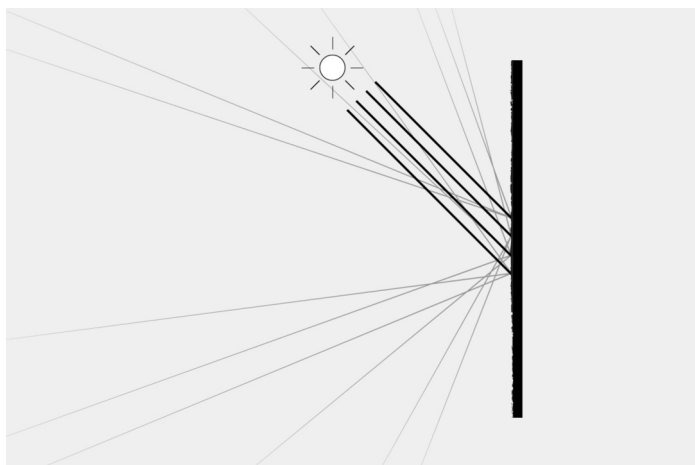

With 10 bit conversion   **Without 10 bit conversion**

6

Anti-glare coating: more image, less reflection

The FDF4627W-IP offers a perfect, non-glare surface. By minimising glare by diffusing the reflected light, the FDF4627W-IP effectively protects your eyes from straining. This keeps your eyes from getting as tired and allows you to sit comfortably in front of the monitor, without having to sit in a forced position to prevent glare.

Overdrive to quickly change images

Fast, faster, overdrive. The overdrive function accelerates switching time so that the gray-gray change takes only 7 ms on average. You can watch films and rapidly changing images without annoying afterglow.

Easy installation
Maintenance-free operation

Zero-maintenance operation

The FDF4627W-IP is designed for zero-maintenance operation around the clock and is protected from unautho-

rised 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.

Integrated power unit

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

Durability
And reliability

Two-year warranty

EIZO grants a two-year warranty. This is possible thanks to the highly developed production process based on a simple principle of success: sophisticated and innovative technology, made from high-end materials.

24/7 use

The FDF4627W-IP is built for 24-hour use and is characterised by maximum reliability.

Sustainability
Environmentally and socially conscious production

Socially responsible production

The FDF4627W-IP is produced in a socially responsible way. It is free of child labour and forced labour. Suppliers along the supply chain have been carefully selected and they have also committed themselves to produce in a socially responsible way. This applies in particular to conflict minerals. We present a detailed report about our social responsibility annually and voluntarily.

Environmentally and climate friendly

Each FDF4627W-IP is manufactured in our own factory, which implements an environmental and energy management system in accordance with ISO 14001 und ISO 50001. This includes measures to reduce waste, wastewater and emissions, resource and energy consumption, as well as to encourage environmentally conscious behavior among employees. We publicly report on these measures on an annual basis.

Sustainable and durable

The FDF4627W-IP is designed to have a long service life and normally outlasts the warranty period by some distance. Replacement parts are available many years after production has ceased. The entire lifecycle takes into account the impact on the environment as the longevity of the product and the fact it can be repaired saves resources and protects the environment. When designing the FDF4627W-IP, we took a minimalistic approach to our resources by using high-quality components and materials, as well as a careful production process.

Technical Data

GENERAL

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

SCREEN

Screen size [in inches]	46
Screen size [in cm]	116,8
Format	16:9
Viewable image size (width x height) [in mm]	1018 x 573
Ideal and recommended resolution	1920 x 1080 (Full HD)
Pixel pitch [in mm]	0,53 x 0,53
Panel technology	VA
Max. viewing angle horizontal	178
Max. viewing angle vertical	178
Number of colors or greyscale	16.7 million colors (RJ-45, 8 bit), 16.7 million colors (HDMI, 8 Bit)
Max. brightness (typical) [in cd/m²]	700
Max. dark room contrast (typical)	4000:1
Response time grey-grey alternation (typical) [in ms]	7
Backlight	LED

IP DECODING

Video decoding	H.264, MJPEG
Number of simultaneous streams	Full HD: 1-4 streams, VGA: 1-16 streams
Supported transfer protocols	Axis VAPIX, Panasonic/i-PRO, RTSP, ONVIF Profile S
VMS support	Genetec (max. 16 streams), Accellence Technologies, Schille

FEATURES & OPERATION

PTZ control incl. presets	✔
Alert-to-Action	✔
24/7 operation	✔
Image enhancement process	Smart Insight/Low-Light Correction, Smart Resolution/Outline Enhancer
On-screen menu languages	de, en, fr, es, it, se
Adjustment options	Image noise reduction
Remote	✔
Integrated power unit	✔

CONNECTIONS

Signal inputs	RJ-45 (IP-Video), HDMI (HDCP 1.4)
Network connection	RJ-45

ELECTRICAL DATA

Maximum Power Consumption [in watts]	110
Max. Power consumption in stand-by mode [in watts]	16
Power consumption with power switch off [in watts]	0
Power supply	AC 100-120 V / 200-240 V, 50/60 Hz

DIMENSIONS & WEIGHT

Dimensions (without stand) (width x height x depth) [in mm]	1067 x 622,5 x 80,4
Weight (without stand) [in kg]	19.6
Dimension drawing (PDF)	Dimension drawing (PDF)
Tiltability forwards/backwards [in °]	0 / 0
Hole spacing	400 x 200

CERTIFICATION & STANDARDS

Operating temperature	0 - 40 °C / 20-80 % (R.H., non condensing)
Certification	CE, CB, UL/cUL, FCC-A, CAN ICES-3 (A), VCCI-A, RoHS, WEEE, China RoHS, CCC

SOFTWARE & ACCESSORIES

Other box contents	Remote control, Manual via download, Power cord, Quick guide

WARRANTY

Warranty periode	2 years

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