DuraVision **FDF2712W-IP**

Product Website

27" Full HD IP Decoding Monitor

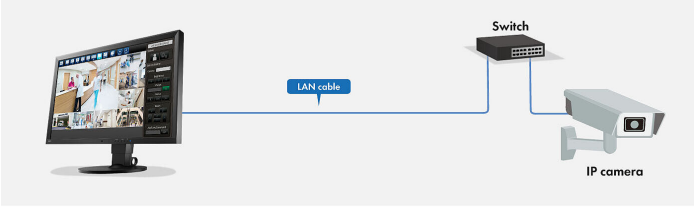
Computerless, the DuraVision FDF2712W-IP displays video streams transmitted over the network. Neither software nor other hardware is required for the full HD decoding monitor. This means easy installation, little maintenance and little time and effort. The IP decoder platform of the 27"" monitor decodes H.265 (HEVC), H.264 and MJPEG codecs in real time. The advantage: high frame rates - even when streaming high-resolution videos over multiple channels. Even 16 simultaneous full HD video feeds (1920 × 1080) run at a stable frame rate of 20 fps (frames per second). Up to 48 IP cameras can be registered to the DuraVision FDF2712W-IP with support for RTSP as well as ONVIF Profile S, Axis VAPIX and Panasonic/iPro protocols. The easy-to-use web interface allows users to conveniently adjust the arrangement of video streams and view up to 32 streams simultaneously. An HDMI output allows the connection of a second monitor with a resolution up to Full HD, which can then also be used for IP video feeds via FDF2712W-IP.

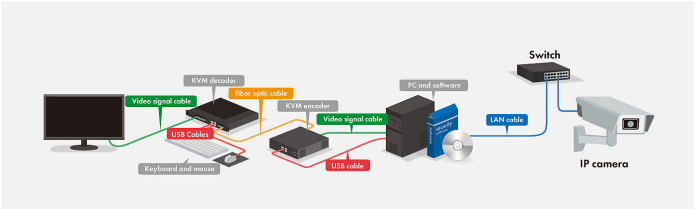
- Connection of IP surveillance cameras and IP video
- Streaming without PC
- Powerful decoding technology for up to 48 streams
- Alert-to-Action - targeted and quickly in the picture
- Easy configuration via the web interface and API
- Live data protection
- Camera protocol support: ONVIF, Panasonic/iPro and Axis VAPIX
- RTSP control support
- HDMI output for second Full HD monitor

High-performance operation
Without a computer

Integrated solution

The DuraVision FDF2712W-IP can connect to an IP camera or switch and supply video data directly to a connected monitor. It does not require a PC, software or any other hardware to operate, which greatly simplifies installation and saves time and labour costs. This also eliminates several of the potential points of failure typically associated with a conventional setup by significantly reducing the amount of equipment needed to manage sensitive visual data.





Video decoding

The DuraVision FDF2712W-IP can decode H.265 (HEVC), as well as H.264 and MJPEG codecs, displaying them in real-time in order to assess any situation quickly. The decoding technology also ensures a high fps (frames per second) for displayed content, even when streaming high-resolution video data. For example, 16 Full HD (1920 x 1080) video feeds displayed simultaneously on a single monitor consistently achieve 20 fps.

3840 x 2160 / 20 fps

1920 x 1080/ 20 fps

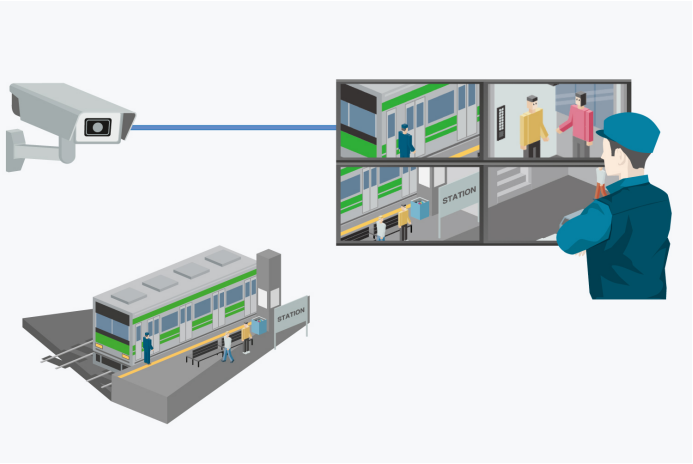
1280 x 720 / 15 fps

Multi-monitor configuration

The Full HD monitor DuraVision FDF2712W-IP features a HDMI port that enables connection to a second monitor with a resolution up to Full HD (1920 x 1080). This multi-monitor environment allows the user to flexibly manage videos from the same network source via two screens.

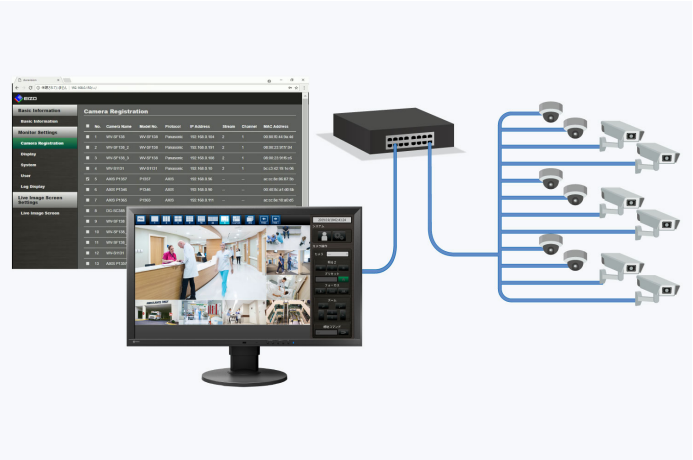
Live streaming directly from IP cameras

Connecting IP cameras directly to the DuraVision FDF2712W-IP facilitates the live streaming of video data without a decentralised recording solution, such as edge recording or cloud archiving. This offers the ideal solution for scenarios that require live streaming, but for which the storage of recorded images is not permitted.



Register up to 48 IP cameras

Up to 48 different IP cameras, including 4K cameras, can be registered with the DuraVision FDF2712W-IP box via the intuitive Camera Registration List (web UI). Cameras can be discovered automatically or registered manually, while individual settings are easily managed from a central location.



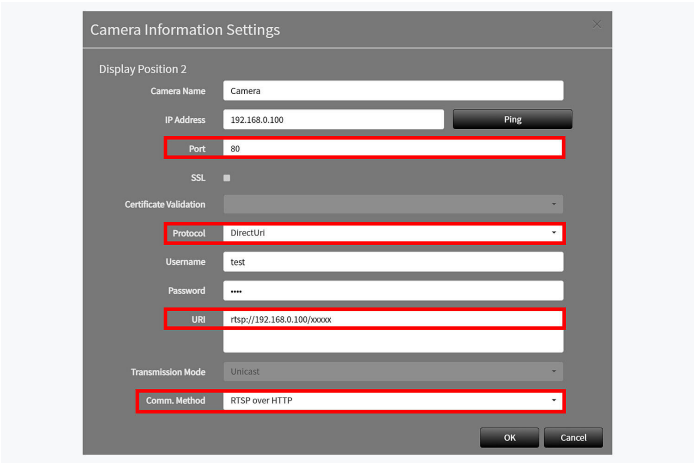
Secure investment with support for over 300 cameras

The DuraVision FDF2712W-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.

Support for RTSP via HTTP/HTTPS

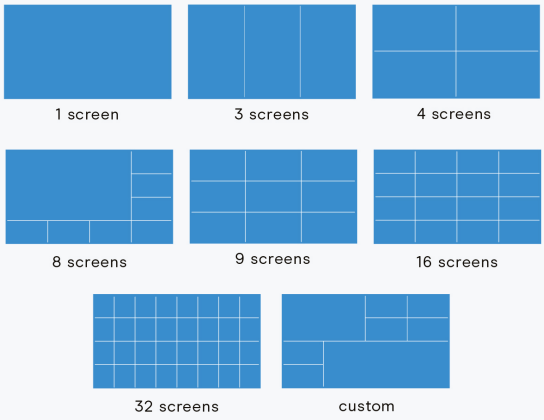
The IP decoder can receive a stream via HTTP or HTTPS and can therefore still communicate with the camera if DirectURI is selected, even if RTSP is blocked by a firewall or router.



Easy to use
Features for greater comfort

Adjustable screen layout

You can easily adjust the layout of the video streams with seven default options, displaying up to 32 video images via the user-friendly web UI. In a two-screen solution, a layout extends across both monitors via a decoding box or decoding monitor. 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.



Sequential lock

When using the sequential image display setting, users can select an image to remain static, even through page changes. This allows operators to keep eyes on a single focus point while maintaining a coverage in several other areas.

Intuitive PTZ control of cameras

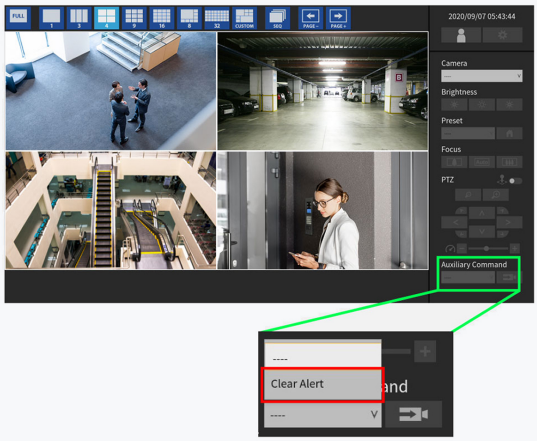
PTZ settings can be adjusted directly via buttons in the respective image view of the camera instead of using separate camera settings. This intuitive user interface optimises operation and guarantees efficient monitoring.

Virtual PTZ function

The virtual PTZ function allows an area of the displayed image to be digitally magnified for closer inspection. Once magnified, the image can be virtually panned up, down, left or right by the user in real time. This is useful when viewing video from cameras that are not equipped with PTZ functions.

Sending commands to network devices

Users can send HTTP commands manually from the live-stream view directly to the IP monitor or network device via a notification window. This can be used to operate a door lock or switch off an alarm and reset to the original display status, for example.



Operation via USB interface

You can connect a USB mouse, keyboard or joystick via a USB downstream port to control the user interface or web UI.

However, USB storage devices are not supported, which prevents unwanted access and data transfers.

Integration in security systems
Highly compatible

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™ milestone accellence HEXAGON MOBOTIX Panasonic

ALERT-TO-ACTION

Integrated alarms via the network

IP decoding solutions support custom integration with local security systems through a web API to enable response to alarms over the network.

When an event occurs and an alarm is sent from IP cameras, access control, hazard detection, VMS or other systems, EIZO IP decoding solutions can respond with a predefined action, such as layout adjustment, message display, audio activation, camera adjustment, masking, power-on status and more. Actions can also be scheduled at a specific time, such as automatically changing the camera layout every Sunday at 16:00.

Linking and integrating into the workflow ensures that the most important information is displayed at the right time to react quickly to situations.

Learn more about Alert-to-Action

Secure network communication

The DuraVision FDF2712W-IP supports HTTPS protocol to ensure authenticated access for secure communication over a network.

Masking and virtual limitations

The DuraVision FDF2712W-IP allows users to set up static masks (privacy masks) and virtual limitations in live-streaming environments. The masking ensures that environments can be monitored reliably while also complying with the necessary data privacy provisions. Virtual limitations are helpful if actual limitations would potentially otherwise be difficult to recognise or follow. Up to ten objects can be used simultaneously per stream and their size, shape and colour can be adjusted. The source data stream is unaffected by this. Reliable monitoring is data protection compliant, while the original data can be stored separately.

Privacy masks
Examples of privacy masking at ATMs include 1. a concealed bankcard and 2. a concealed keypad

Virtual limitations
Example of a virtual line that limits the monitoring area of a road.

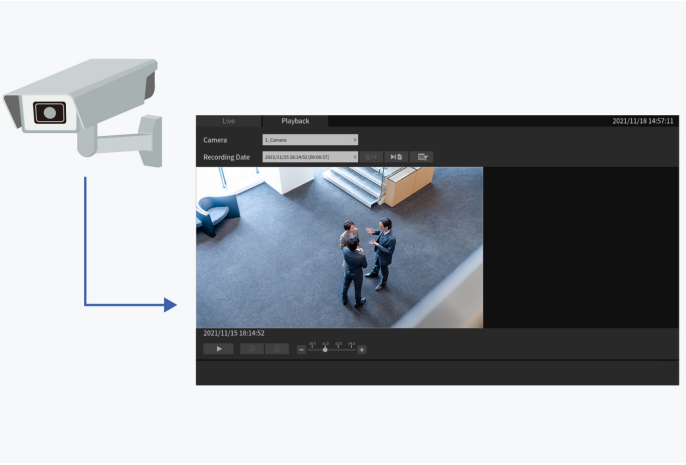
Extension licenses
For additional functions

Extension licenses

EIZO optionally offers various licenses that include advanced features to meet specific environment or application requirements. Contact EIZO for more information on licensing.

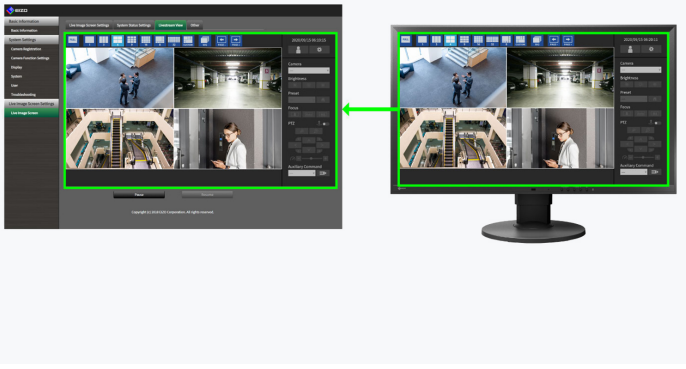
Playback recorded video

Video segments recorded to the registered IP camera's SD card can be played back for quick review. Simply select the camera and the recorded data from the pull-down menu (supported by cameras with Panasonic/iPro or AXIS protocols only).



View remote live streams via the web UI

Live video streams displayed on remotely located monitors can be viewed in real-time (1fps) via the web UI so operators can check display status without needing to visit the installation site.

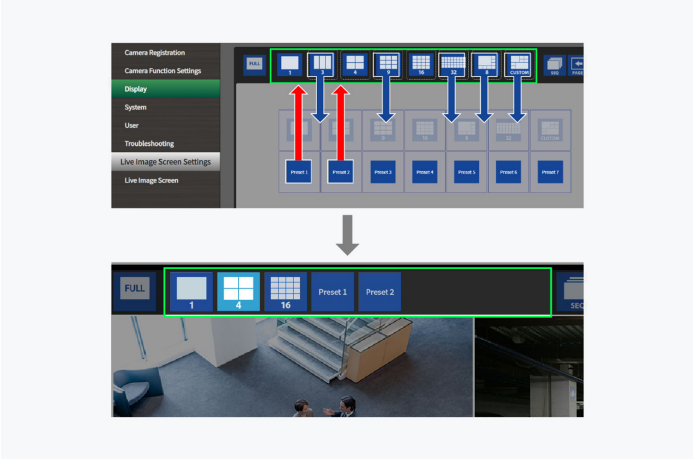


Livestream View shows the content currently displayed on the selected remote monitor.

Live image menu customisation

Customise the live view menu with preset icons of your choice using the Icon Arranger function. You can also save up to seven custom layout presets and add it to the live view menu. Presets can also be renamed for easier menu navigation.*

*Requires a LiveView license for the DX0231-IP, which is sold separately.



Changes to the display options can be seen on the target monitor.

Screen rotation

The screen can be rotated to adapt to the connected monitor in portrait position for environments requiring this layout.

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.

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Technical Data

GENERAL

Item no.	FDF2712W-IP
Case color	Black
Areas of application	Video surveillance, Industry
Product line	DuraVision
Areas of application	IP decoder solutions, Video surveillance, Control rooms

SCREEN

Screen size [in inches]	27
Screen size [in cm]	68,6
Format	16:9
Viewable image size (width x height) [in mm]	597,6 x 336,2
Ideal and recommended resolution	1920 x 1080 (Full HD)
Pixel pitch [in mm]	0,311 x 0,311
Panel technology	VA
Max. viewing angle horizontal [in °]	178
Max. viewing angle vertical [in °]	178
Number of colors or greyscale	16.7 million colors (RJ-45, 8 bit)
Max. brightness (typical) [in cd/m²]	350
Max. dark room contrast (typical)	3000:1
Response time black/white/black change (typical)	12
Backlight	LED

IP DECODING

Video decoding	H.265, H.264, MJPEG
Streaming protocols	RTP (H.265, H.264, MJPEG, MPEG2-TS), UDP (MPEG2-TS)
Number of simultaneous streams	32
Decoding performance	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
Maximum bitrate [kbps]	8192
Maximum output signal	1920 x 1080 / 60 Hz
Layouts	sequential screen lock, custom, corridor format, 3x3, 4x4, 4x8, rotating, 1x1, 2x2
Supported transfer protocols	Axis VAPIX, Panasonic/i-PRO, RTSP, ONVIF Profile S
VMS support	Qognify, Milestone Systems, Siemens, Genetec (max. 16 streams), Accellence Technologies, Mobotix
Management support	SNMP v1, v2c
IP address filter	✓

CERTIFICATION & STANDARDS

Certification	CE, UKCA, CB, RCM, cTÜVus, FCC-A, CAN ICES-3 (A), TÜV/S, PSE, VCCI-A, RoHS, WEEE, China RoHS, CCC, BIS

FEATURES & OPERATION

LAN/RJ-45	✓
Web API for configuration and operation	✓
PTZ control incl. presets	✓
Communication protocols	DHCP, DNS, HTTP, HTTPS, NTP, RTP, RTSP, SNMP
Privacy mask and virtual line	✓
Alert-to-Action	✓
Issue commands to network devices	✓
Optional features (licence required)	Playback recorded video, livestream view, SRT Protocol (H.265, H.264), LDAP protocol, LDAPS Protocol, SRTP Protocol (H.265, H.264), VMS support, VMS Failover, IEEE 802.1X Protocol, Icon Arranger
24/7 operation	✓
Built-in speakers	✓
On-screen menu languages	de, en, fr, es, it, se
Integrated power unit	✓

CONNECTIONS

Signal inputs	RJ-45 (IP-Video)
Signal outputs	1x HDMI
USB specification	USB 2
USB downstream ports	2x type A
Network connection	RJ-45
LAN standards	IEEE802.3u (100BASE-TX), IEEE802.3ab (1000BASE-T)
Audio / headphone output	3.5 mm stereo jack

ELECTRICAL DATA

Maximum Power Consumption [in watts]	59 (at maximum brightness with all signal inputs and USB ports in use)
Power consumption with power switch off [in watts]	0
Power supply	AC 100-240V, 50/60Hz

DIMENSIONS & WEIGHT

Dimensions (incl. stand) (width x height x depth) [in mm]	640 x (404,5–554,5) x 245
Weight (incl. stand) [in kg]	9.9
Dimensions (without stand) (width x height x depth) [in mm]	640 x 379 x 65
Weight (without stand) [in kg]	7.1
Dimension drawing (PDF)	Dimension drawing (PDF)
Rotatability of the stand [in °]	344
Tiltability forwards/backwards [in °]	5 / 35
Pivot between portrait / landscape	clockwise
Height adjustment range [in mm]	150
Hole spacing	100 x 100

SOFTWARE & ACCESSORIES

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

WARRANTY

Warranty periode	2 years
Warranty type	24/7

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