EIZO®

DuraVision®

EIZO – IP DECODING SOLUTIONS

IP decoding solutions allow you to connect to security and surveillance cameras without a computer. They can be integrated perfectly with your existing security platform or your existing video management system (VMS). The solutions are designed for 24/7 use and boast exceptional reliability and longevity.

An overview of the advantages

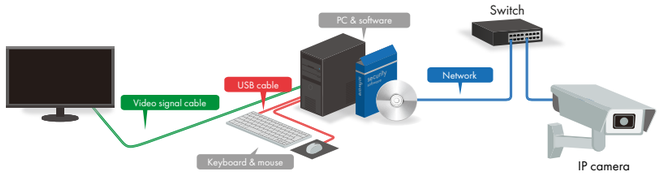
- Connection to IP video surveillance system without a computer
- Perfect for use in monitor walls, installations with large screens and high resolutions, live streams in businesses, buildings, underground carparks, outdoor areas and access controls
- High reliability and long product life cycles
- Low TCO (Total Cost of Ownership) thanks to maintenance-free operation that does not require virus scanners, security updates, operating system maintenance or licences
- Suitable for round-the-clock use, seven days a week (24/7 operation)
- Even suitable for sensitive infrastructures

IP DECODING SOLUTIONS ARE EASY TO INSTALL AND CAN BE OPERATED WITHOUT A COMPUTER.

Using a computer for video surveillance can frequently prove undesirable, less economical or even impossible due to space limitations. EIZO offers different products for a wide range of requirements to counter this specific issue – from the complete solution with IP decoding monitors to the extremely flexible IP decoding box that can be combined with nearly any monitor in different screen sizes and resolutions of up to 4K UHD.

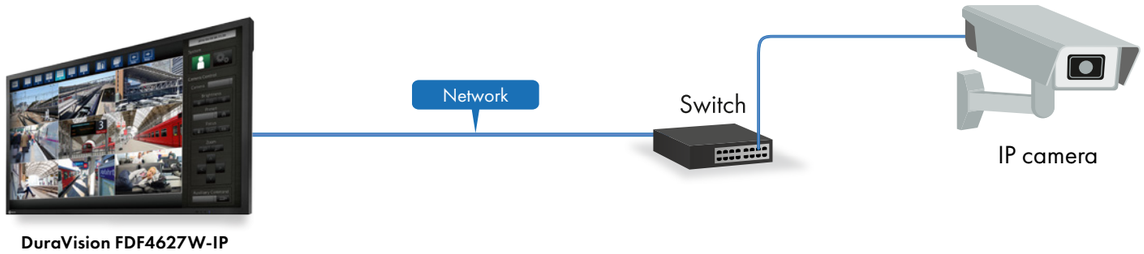
Example of a conventional installation

Transmitting video surveillance images from the IP camera to a surveillance monitor used to be a complex task. A PC with the relevant software and peripherals was required so that the image signal from the IP camera could be output to the monitor. This made software licences, anti-virus and data protection software and system maintenance necessary, as well as hardware equipment, which required space, ports and connections.



Integrated solution with IP decoding monitors

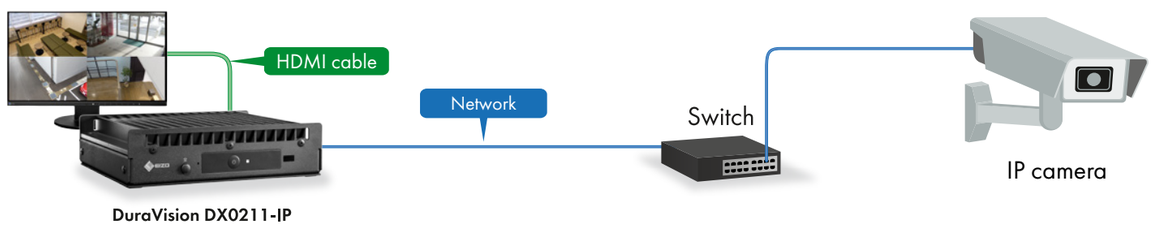
The FDF2304W-IP, FDF2711W-IP and FDF4627W-IP IP decoding monitors offer a significantly less cluttered approach that requires substantially less effort and expense. They can connect to surveillance cameras from the network without any need for a computer. The monitors are easily controlled via a web interface or an API integrated into the VMS and can also allow IP surveillance cameras to be managed.



DuraVision FDF4627W-IP

Total flexibility with the IP decoding box

The DX0211-IP IP decoding box is particularly suitable for monitor walls or various screen sizes and resolutions. The fact that it can be connected to the video network without a computer also means that neither a computer nor software are required. The compact box can be attached to monitors using a VESA attachment, which saves space. Extensive functionalities and compatibilities make the IP decoding box a highly flexible and space-saving solution module.



DuraVision DX0211-IP

DuraVision FDF2304W-IP (58 cm / 23 inches)

DuraVision FDF4627W-IP (116.8 cm / 46 inches)

DuraVision FDF2711W-IP (68.6 cm / 27 inches)

DuraVision DX0211-IP

Decoded H.264, MJPEG	Decoded H.265, H.264, MJPEG	Decoded H.265, H.264, MJPEG
23 inches and 46 inches with full HD resolution (1920 × 1080)	27 inches with full HD resolution (1920 × 1080), Supports a second full HD monitor	Up to 4K UHD resolution (3840 × 2160) on two monitors (HDMI × 2)
Allows up to 16 IP cameras to be registered Displays up to 16 streams simultaneously	Allows up to 48 IP cameras to be registered Displays up to 32 streams simultaneously	Allows up to 48 IP cameras to be registered Displays up to 32 streams simultaneously
VESA support	VESA support	Can be mounted directly to the reverse side of VESA-supported monitors or EIZO monitor stands

SUITABLE FOR SENSITIVE INFRASTRUCTURES

VMS-independent fallback solution

VMS is the basis for reliable video playback in modern video security systems. Even though the platform is protected from foreseeable events thanks to server redundancy, the VMS – 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 solution, 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.

Edge recording and live video

Live display poses a challenge when using a decentralised recording solution. This may require software, or streams may have to be retrieved from the cloud, which creates additional traffic on your Internet connection. IP decoding solutions allow for the direct and live display of videos recorded by the cameras, since the cameras are entirely separate of your recording solution.

Data protection and viewing of camera images

Sometimes live video is required, but storage of images is not allowed.
The 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.

COOPERATIVE PARTNERS

EIZO works together with leading providers of security and monitoring solutions to ensure technical compatibility and functional support. It also develops joint solutions for fulfilling individual customer requirements.

Camera partners

AXIS COMMUNICATIONS, BOSCH Invented for life, Canon, FLIR The World's Sixth Sense, JVC, MIKAMI, MOBOTIX, Panasonic, TOA

VMS partners

Genetec, milestone, PKE Schille Competence Center, accellence technologies

		IP decoding monitors			IP decoding box
					
		FDF2304W-IP	**FDF4627W-IP**	**FDF2711W-IP**	**DX0211-IP**
Model variants		With stand, black	Without stand, black	With stand, black	–
Display	Panel technology	IPS	VA	VA	–
	Backlighting	LED	LED	LED	–
	Screen size	23″/58 cm	46″/116.8 cm	27″/68.6 cm	–
	Ideal and recommended resolution	1920 ×1080 (16:9)	1920 × 1080 (16:9)	1920 × 1080 (16:9)	–
	Visible image size (H × V)	509.1 × 286.4 mm	1018.1 × 572.7 mm	597.6 × 336.2 mm	–
	Pixel pitch	0.265 ×0.265 mm	0.530 × 0.530 mm	0.311 × 0.311 mm	–
	Displayable colours	16.7 million colours	16.7 million colours	16.7 million colours	–
	Max. viewing angle (H/V, typical)	178°, 178°	178°, 178°	178°, 178°	–
	Max. brightness (typical)	300 cd/m²	700 cd/m²	350 cd/m²	–
	Max. contrast (typical)	1000:1	4000:1	3000:1	–
	Typical reaction time	8 ms (grey-grey)	6.5 ms (grey-grey)	7 ms/5 ms	–
IP decoding	Number of max. camera registrations/ number of simultaneous streams	16 16	16 16	48 32	48 32
	Supported protocols	ONVIF Profile S, Axis VAPIX, Panasonic, RTSP	ONVIF Profile S, Axis VAPIX, Panasonic, RTSP	ONVIF Profile S, Axis VAPIX, Panasonic, RTSP	ONVIF Profile S, Axis VAPIX, Panasonic, RTSP
	Video compression	H.264, MJPEG	H.264, MJPEG	H.265, H264, MJPEG	H.265, H.264, MJPEG
	Display performance[1]	4 streams: 1920 × 1080/20 fps 16 streams: 640 × 480/30 fps –	4 streams: 1920 × 1080/20 fps 16 streams: 640 × 480/30 fps –	4 streams: 3840 × 2160/20 fps 16 streams: 1920 × 1080/20 fps 32 streams: 1280 × 720/15 fps	4 streams: 3840 × 2160/20 fps 16 streams: 1920 × 1080/20 fps 32 streams: 1280 × 720/15 fps
	Maximum bitrate	8192 kbps	8192 kbps	8192 kbps	8192 kbps
	Max. resolution monitor signal	1920 × 1080/30 fps	1920 × 1080/30 fps	3840 × 2160/20 fps	3840 × 2160/20 fps
Video signals	Signal input	IP camera/network: RJ-45 PC: HDMI (HDCP 1.4)	IP camera/network: RJ-45 PC: HDMI (HDCP 1.4)	IP camera/network: RJ-45	IP camera/network: RJ-45
	Signal output	–	–	HDMI	HDMI x 2
	Max. resolution monitor signal	–	–	1920 × 1080/60 Hz	3840 × 2160/60 Hz
	Digital frequency (H/V)	HDMI: 31–68 kHz/49–61 Hz	HDMI: 31–68 kHz/49–61 Hz	HDMI: 31–68 kHz/49–61 Hz	31–135 kHz/49–61 Hz
Network	LAN standards	IEEE802.3ab (1000BASE-T) IEEE802.3u (100BASE-TX)	IEEE802.3ab (1000BASE-T) IEEE802.3u (100BASE-TX)	IEEE802.3ab (1000BASE-T) IEEE802.3u (100BASE-TX)	IEEE802.3ab (1000BASE-T) IEEE802.3u (100BASE-TX) IEEE802.3at Type2 (PoE+)
	Max. transfer rate	1000 Mbps, 100 Mbps	1000 Mbps, 100 Mbps	1000 Mbps, 100 Mbps	1000 Mbps, 100 Mbps
USB		USB 2.0: Type A × 2	USB 2.0: Type A × 2	USB 2.0: Type A × 2	USB 2.0: Type A
Electrical data	Power supply	AC 100–120 V/AC 200–240 V, 50/60 Hz	AC 100–120 V/AC 200–240 V, 50/60 Hz	AC 100–120 V/200–240 V, 50/60 Hz	PoE+: 42.5 V–57 V (48 V typ.) Power supply unit (optional): DC 12 V ± 10%
	Max. power consumption	61 W	120 W	59 W	PoE+: 25.5 W Power supply unit (optional): 21.5 W
	Max. power consumption in stand-by mode	3 W (quick-start OFF) 33 W (quick-start ON)	6 W (quick-start OFF) 26 W (quick-start ON)	16 W	–
Features and functionalities	Default colour modes	Day, night	Day, night	–	–
	Image optimisation technologies	Visibility Optimizer (Low-light Correction, Outline Enhancer, Noise Reduction)	Visibility Optimizer (Low-light Correction, Outline Enhancer, Noise Reduction)	–	–
	Security and other features	Event response	Event response	HTTPS, LDAP[2], image masking, enhanced event response	HTTPS, LDAP[2], image masking, enhanced event response
Dimensions and weight	Dimensions (W × H × D)	563.5 × 411.5 × 157 mm	–	640 × (404.5–554.5) × 245 mm	–
	Dimensions without stand (W × H × D)	563.5 × 325 × 63 mm	1067 × 622.5 × 80.4 mm	640 × 379 × 65 mm	–
	Weight	7.2 kg	–	9.9 kg	770 g
	Weight without stand	4.8 kg	19.6 kg	7.1 kg	–
	Tilt range front/back/pivot	0° / 30°/ –	–	–5° / 35°/ 90°	–
	VESA attachment	100 x 100 mm	400 x 200 mm	100 x 100 mm	–
Ambient conditions	Operating temperature	0–35 °C	0–40 °C	0–40 °C	0–40 °C
	Ambient humidity (RH, non-condensing)	20–80%	20–80%	20–80%	20–80%
Accessories included		HDMI cable (2 m), power cable, remote control, set-up guide, manual available for download	Remote control, set-up guide, manual available for download	Set-up guide, manual available for download	HDMI cable (0.5 m), set-up guide, manual available for download
Optional accessories		–	–	–	VESA VOP-01 offset plate, VESA VESAMP100 mounting panel, DVAC-01 power supply unit
Certifications and standards (Up-to-date information is available from EIZO)		CB, CE, cTUVus, FCC-B, CAN ICES-3 (B), TUV/S, PSE, VCCI-B, CCC, EAC, RCM, RoHS, WEEE	CB, CE, UL/cUL, FCC-A, CAN ICES-3 (A), VCCI-A, CCC, RoHS, WEEE, China RoHS	CB, CE, cTUVus, FCC-A, CAN ICES-3 (A), TUV/S, PSE, VCCI-A, EAC, RCM, RoHS, WEEE	CB, CE, cTUVus, FCC-A, ICES-3 (A), VCCI-A, RCM, RoHS, WEEE
Warranty		2 years (24/7 use)	2 years (24/7 use)	2 years (24/7 use)	2 years (24/7 use)

[1] Performance depends on the resolution and number of streams. For more information, please visit www.eizoglobal.com/i/fps
Due to the current state of LCD technology, a panel may contain a limited number of missing or flickering pixels.

[2] Available with optional Enterprise licence.

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Belgium | www.eizo.be
Czech Republic | www.eizo.cz
Germany | www.eizo.de
Hungary | www.eizo.hu
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