



## 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

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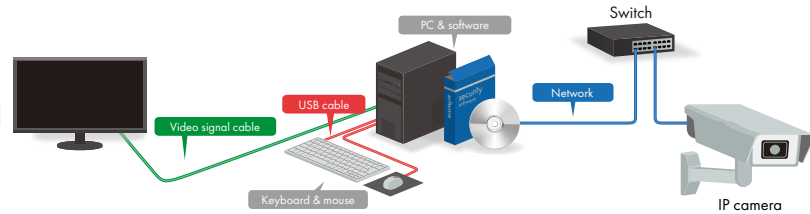
- ✔ Connection to IP video surveillance system without a computer
- ✔ Perfect for use in monitor walls, installations with large screens and high resolutions, live streams in businesses, buildings, underground car parks, outdoor areas and access controls
- ✔ High reliability and long product life cycles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

# 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.

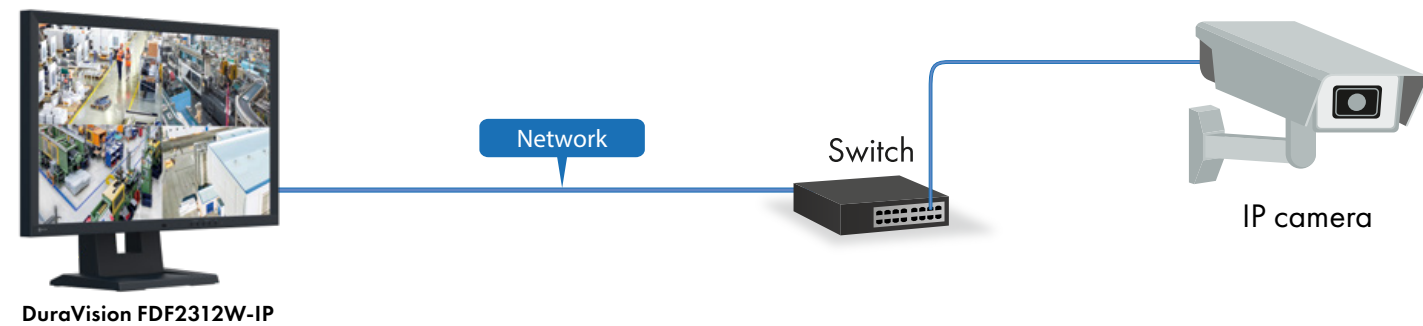
## Example of a conventional installation

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.



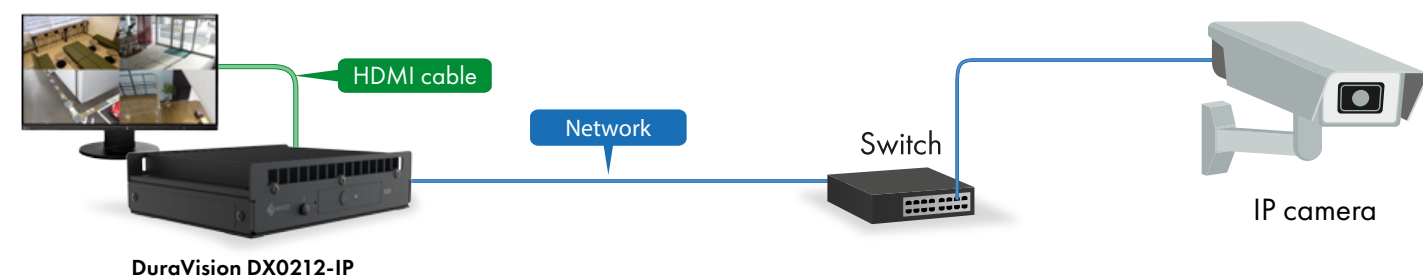
## Integrated solution with IP decoding monitors

The IP decoding monitors FDF2312W-IP and FDF2712W-IP offer a much tidier and less elaborate approach. 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.



## Total flexibility with the IP decoding box

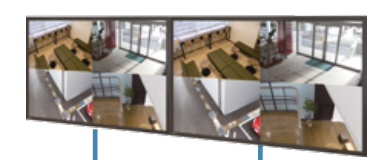
The IP decoding box DX0212-IP is particularly suitable for monitor walls or various screen sizes and resolutions. The fact that it can be connected to the video network without a computer also means that neither a computer nor software are required. The compact box can be attached to monitors using a VESA attachment, which saves space. Extensive functionalities and compatibilities make the IP decoding box a highly flexible and space-saving solution module.



DuraVision FDF2312W-IP  
(58 cm / 23 inches)



DuraVision FDF2712W-IP  
(68.6 cm / 27 inches)



DuraVision DX0212-IP

Decoded H.265, H.264, MJPEG	Decoded H.265, H.264, MJPEG	Decoded H.265, H.264, MJPEG
23 inch with full HD resolution (1920 x 1080)	27 inch with full HD resolution (1920 x 1080), supports a 2. full HD monitor	Up to 4K UHD resolution (3840 x 2160) on two monitors
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	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 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.\*

### Integrated alarms over the network

IP decoding solutions support custom integration with local security systems through a web API to enable response to alarms over the network. This includes predefined actions such as layout customization, display of messages, audio activation, camera adjustment, masking, power-on status and more. Linking and integration into the workflow ensures that the most relevant information is displayed at the right time to quickly respond to situations.

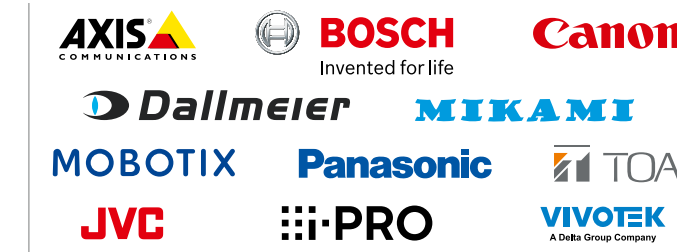
### Data protection and viewing of camera images

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



### VMS partners



\* Requires a failover extension licence. Contact EIZO for more information.  
\*\* Please check the EIZO website for compatibility: [www.eizo.eu/ip-compatibility](http://www.eizo.eu/ip-compatibility)

## IP decoding monitors



## IP decoding box



		FDF2312W-IP	FDF2712W-IP	DX0212-IP
<b>Model variants</b>		With stand, black	With stand, black	–
<b>Display</b>	Panel technology	IPS	VA	–
	Backlighting	LED	LED	–
	Screen size	23" / 58 cm	27" / 68.6 cm	–
	Ideal and recommended resolution	1920 × 1080 (16:9)	1920 × 1080 (16:9)	–
	Visible image size (H × V)	509.2 × 286.4 mm	597.6 × 336.2 mm	–
	Pixel pitch	0.265 × 0.265 mm	0.311 × 0.311 mm	–
	Displayable colours	16.7 million colours	16.7 million colours	–
	Max. viewing angle (H/V, typical)	178°, 178°	178°, 178°	–
	Max. brightness (typical)	300 cd/m <sup>2</sup>	350 cd/m <sup>2</sup>	–
	Max. contrast (typical)	1000:1	3000:1	–
Typical reaction time	8 ms (grey-grey)	12 ms (black-white-black)	–	
<b>IP decoding</b>	Number of max. camera registrations	16/48 <sup>2</sup>	48	48
	Number of simultaneous streams	16/32 <sup>2</sup>	32	32
	Supported protocols	ONVIF Profile S, Axis VAPIX, Panasonic/i-Pro, RTSP	ONVIF Profile S, Axis VAPIX, Panasonic/i-Pro, RTSP	ONVIF Profile S, Axis VAPIX, Panasonic/i-Pro, RTSP
	Video compression	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG
	Display performance <sup>1</sup>	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	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
	Max. resolution monitor signal	1920 × 1080 / 30 fps	1920 × 1080 / 30 fps	3840 × 2160 / 20 fps
<b>Video signals</b>	Signal input	IP camera/network: RJ-45	IP camera/network: RJ-45	IP camera/network: RJ-45
	Signal output	–	HDMI	HDMI × 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	31–135 kHz / 49–61 Hz
<b>Network</b>	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) IEEE802.3at Type2 (PoE+)
	USB	USB 2.0: Type A × 2	USB 2.0: Type A × 2	USB 2.0: Type A
<b>Electrical data</b>	Power supply	AC 100–240 V, 50 / 60 Hz	AC 100–240 V, 50 / 60 Hz	PoE+: 42.5 V–57 V (48 V typ.) Power supply unit (optional): DC12 V ± 10%
	Max. power consumption	49 W	59 W	PoE+: 25.5 W Power supply unit (optional): 21.5 W
	Max. power consumption in stand-by mode	4.5 W	16 W	–
<b>Functionalities</b>	Communication protocols	DHCP, DNS, HTTP, HTTPS, LDAP <sup>2</sup> , LDAPS <sup>2</sup> , NTP, RTP, RTSP, SNMP, SRT <sup>2</sup> , SRTP <sup>2</sup> , IEEE802.1X <sup>2</sup>	DHCP, DNS, HTTP, HTTPS, LDAP <sup>2</sup> , LDAPS <sup>2</sup> , NTP, RTP, RTSP, SNMP, SRT <sup>2</sup> , SRTP <sup>2</sup> , IEEE802.1X <sup>2</sup>	DHCP, DNS, HTTP, HTTPS, LDAP <sup>2</sup> , LDAPS <sup>2</sup> , NTP, RTP, RTSP, SNMP, SRT <sup>2</sup> , SRTP <sup>2</sup> , IEEE802.1X <sup>2</sup>
	Streaming protocols	RTP (H.265, H.264, MJPEG, MPEG2-TS), SRT (H.265, H.264) <sup>2</sup> , SRTP (H.265, H.264) <sup>2</sup> , UDP (MPEG2-TS)	RTP (H.265, H.264, MJPEG, MPEG2-TS), SRT (H.265, H.264) <sup>2</sup> , SRTP (H.265, H.264) <sup>2</sup> , UDP (MPEG2-TS)	RTP (H.265, H.264, MJPEG, MPEG2-TS), SRT (H.265, H.264) <sup>2</sup> , SRTP (H.265, H.264) <sup>2</sup> , UDP (MPEG2-TS)
	Features	Image masking, Advanced event response, Playback of camera recordings <sup>2</sup> , Live remote view in Web UI <sup>2</sup> , Screen rotation <sup>2</sup> , VMS failover <sup>2</sup>	Image masking, Advanced event response, Playback of camera recordings <sup>2</sup> , Live remote view in Web UI <sup>2</sup> , Screen rotation <sup>2</sup> , VMS failover <sup>2</sup>	Image masking, Advanced event response, Playback of camera recordings <sup>2</sup> , Live remote view in Web UI <sup>2</sup> , Screen rotation <sup>2</sup> , VMS failover <sup>2</sup>
	VMS support	Genetec, Milestone <sup>2</sup> , Mobotix <sup>2</sup> , Siemens <sup>2</sup> , Qognify <sup>2</sup>	Genetec, Milestone <sup>2</sup> , Mobotix <sup>2</sup> , Siemens <sup>2</sup> , Qognify <sup>2</sup>	Genetec, Milestone <sup>2</sup> , Mobotix <sup>2</sup> , Siemens <sup>2</sup> , Qognify <sup>2</sup>
<b>Dimensions and weight</b>	Dimensions (W × H × D)	547.2 × 411.3 × 157 mm	640 × (404.5–554.5) × 245 mm	165 mm × 44.2 mm × 130 mm
	Dimensions without stand (W × H × D)	547.2 × 324.4 × 59.5 mm	640 × 379 × 65 mm	–
	Weight	6.6 kg	9.9 kg	770 g
	Weight without stand	4.2 kg	7.1 kg	–
	Tilt range front/back/pivot	0° / 30° / –	–5° / 35° / 90°	–
VESA attachment	100 × 100 mm	100 × 100 mm	–	
<b>Ambient conditions</b>	Operating temperature	0–40 °C	0–40 °C	0–40 °C
	Ambient humidity (RH, non-condensing)	20–80%	20–80%	20–80%
<b>Accessories included</b>	Power cable, set-up guide, manual via download	Power cable, set-up guide, manual via download	HDMI cable (0.5 m), set-up guide, manual via download	
<b>Optional accessories</b>	–	–	VESA VOP-01 offset plate, VESA VESAMP100 mounting panel, DVAC-01 power supply unit	
<b>Certifications and standards (Up-to-date information is available from EIZO)</b>	CB, CE, UKCA, cTUVus, FCC-A, CAN ICES-3 (A), TUV/S, PSE, VCCI, RCM, RoHS, WEEE, CCC, China RoHS	CB, CE, UKCA, cTUVus, FCC-A, CAN ICES-3 (A), TUV/S, PSE, VCCI, RCM, RoHS, WEEE, CCC, China RoHS	CB, CE, UKCA, cTUVus, FCC-A, CAN ICES-3 (A), VCCI-A, RCM, RoHS, WEEE	
<b>Warranty</b>	2 years (24/7 use)	2 years (24/7 use)	2 years (24/7 use)	

<sup>1</sup> Performance depends on the resolution and number of streams.  
Due to the current state of LCD technology, a panel may contain a limited number of missing or flickering pixels.

<sup>2</sup> Available with optional licenses

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