# Security & Surveillance Monitor Solutions

EIZO Security & Surveillance Monitor Solutions

EIZO's security & surveillance monitor solutions meet the needs of a wide range of applications. Many of our products are built for 24-hour use to provide reliability and peace of mind for various environments including transportation hubs, medical facilities, businesses, government offices, and more.
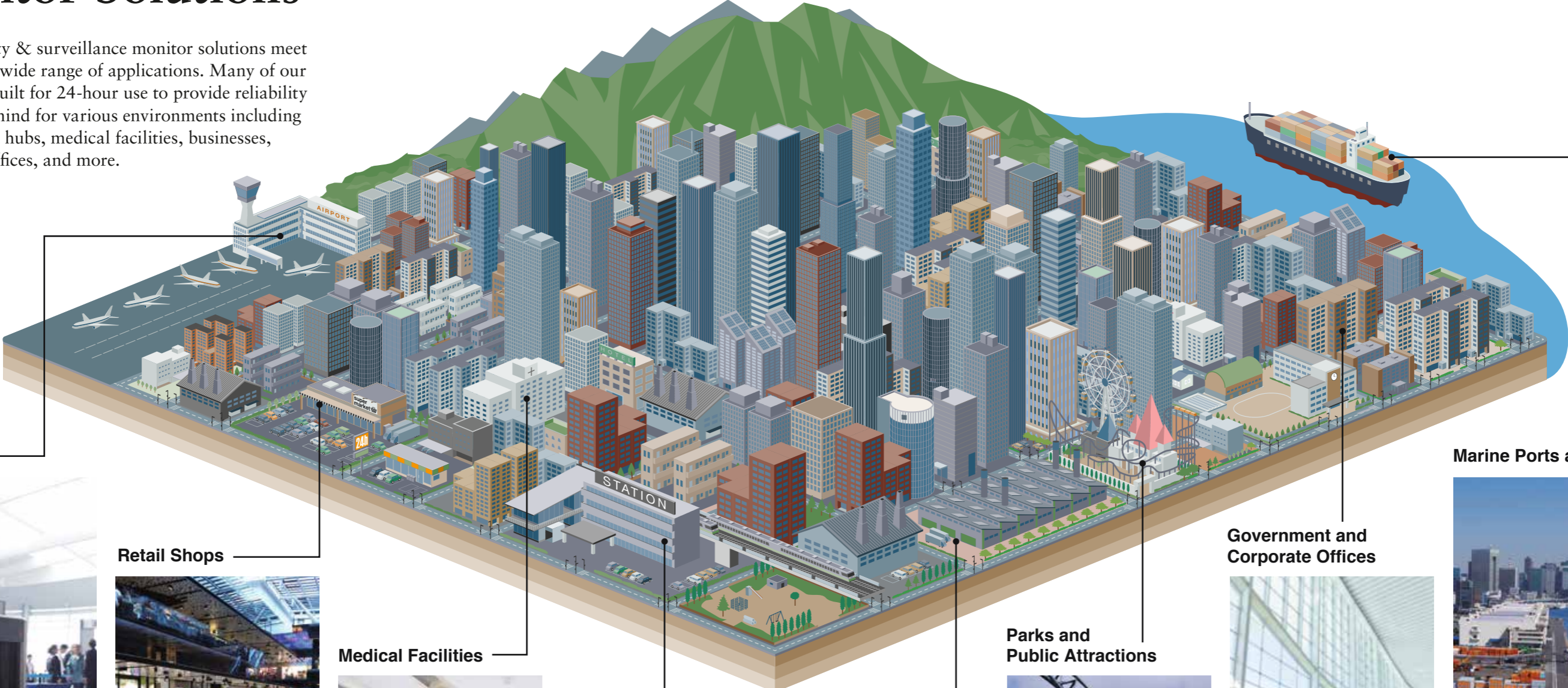
Airports

Retail Shops

Medical Facilities

Public Transportation

Factories

Parks and Public Attractions
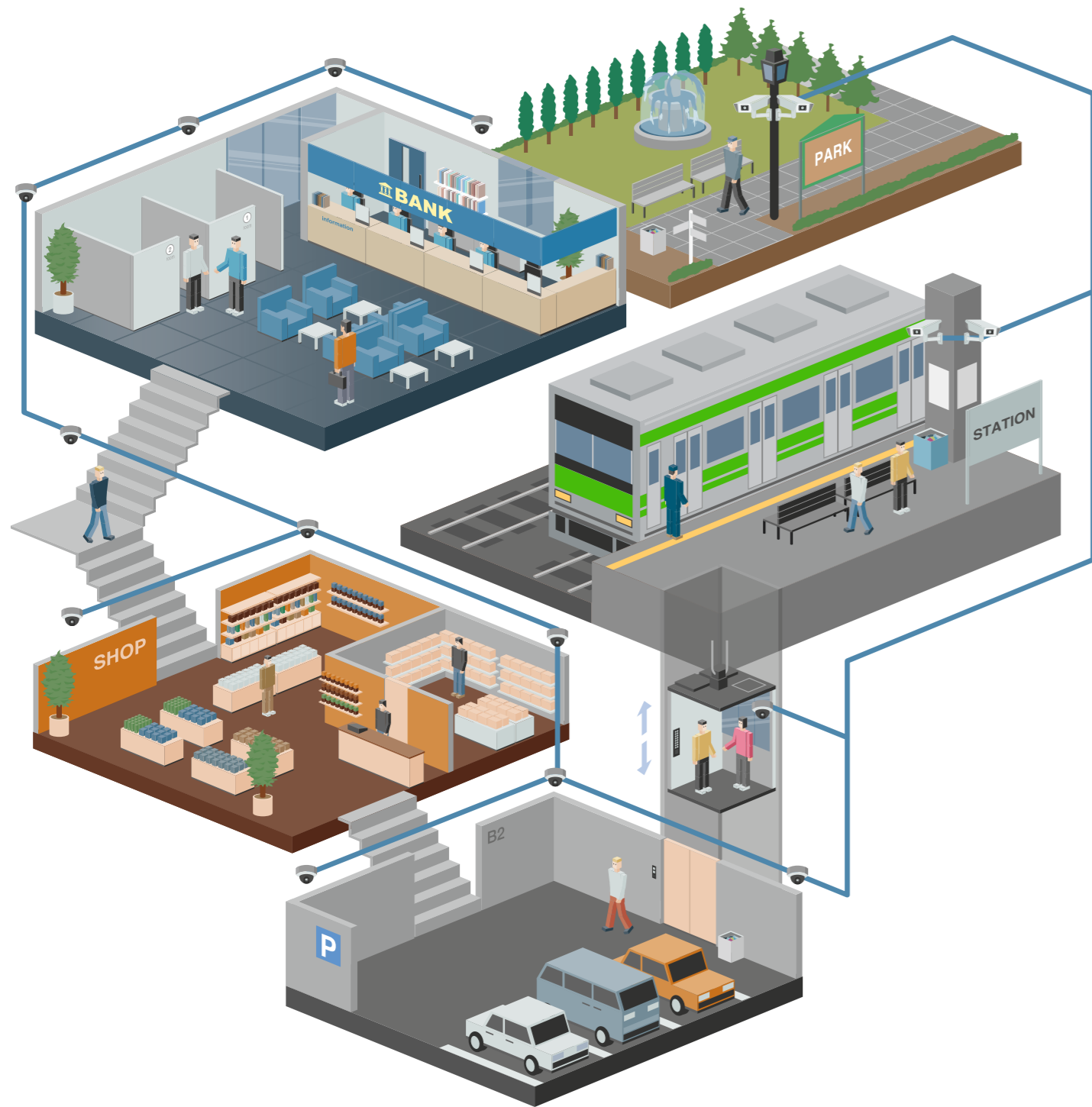
Government and Corporate Offices

Marine Ports and Ships
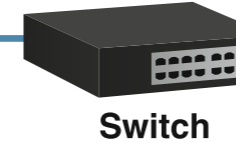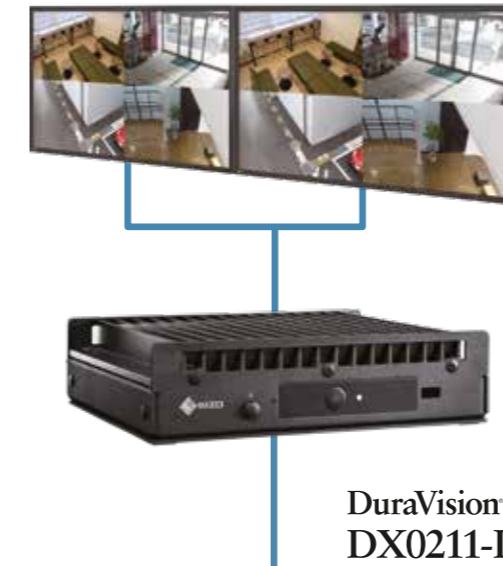
IP Decoding Solutions

EIZO's IP decoding solutions include 23-inch and 46-inch monitors, as well as an external box solution, that connect to multiple IP cameras with just a LAN cable. They feature powerful decoding performance, flexible video management, and long-term reliability for security & surveillance environments.

IP Decoding Monitors

DuraVision
FDF2304W-IP (23" / 58 cm)
FDF4627W-IP (46" / 116.8 cm)

IP Decoding Box

DuraVision
DX0211-IP

Switch

- ▶ Decodes H.264, MJPEG
- 🖥 23-inch and 46-inch sizes with full HD resolution (1920 × 1080)
- 📷 Register up to 16 IP cameras
- VESA mount support

- ▶ H.265, H.264, MJPEG
- 🖥 Up to 4K UHD (3840 × 2160) to dual monitors (HDMI × 2)
- 📷 Register up to 64 IP cameras
- Directly attachable to the back of VESA-supported monitors or EIZO monitor stands

Functionality with Leading VMS

Genetec™   milestone   SCHILLE INFORMATIONSSYSTEME

Integrated Solution

EIZO's IP decoding solutions do not require a PC, software, or other hardware to operate, greatly simplifying installation and saving on time and labor costs. This also eliminates several potential points of failure typical of a conventional setup by heavily reducing the amount of equipment used.

AC   HDMI   PC   AC
LAN
LAN   Switch   HDMI   LAN
Conventional Installation   Installation with DuraVision DX0211-IP
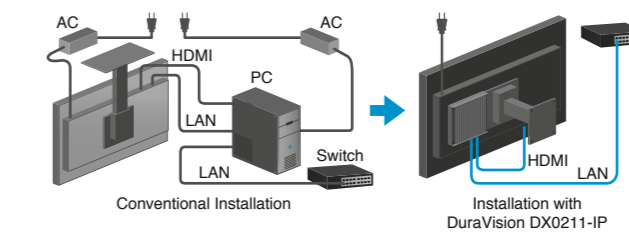
Customizable Event Response to VMS

The web API supports customizable integration with the local video management system (VMS). This allows events or alarm monitoring to be communicated from the VMS to the solution, instructing it to respond to a given event.

Key card activity   VMS

Assigned screen automatically enlarges
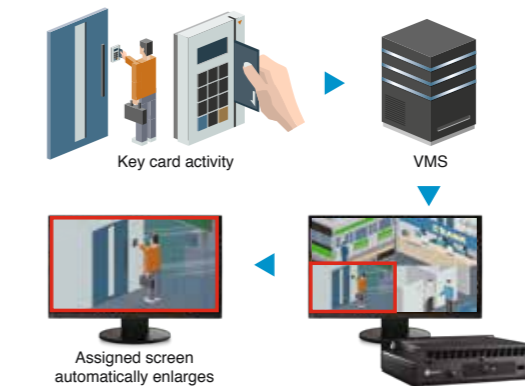
*Example of automatic layout adjustment in response to key card usage.*

Secure Investment with Support for Over 250 Cameras

All solutions support cameras with ONVIF Profile S, Axis VAPIX, and Panasonic protocols to ensure interoperability with a wide range of products.

Secure Live Streaming

Connecting IP cameras directly to DuraVision IP decoding solutions allows for the live streaming of video without a decentralized recording solution, such as edge recording or cloud archiving.

Live viewing of security footage.
IP Camera
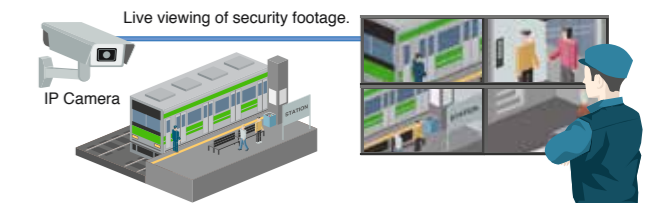
Adjustable Screen Layout

Easily adjust the layout of the video streams with several default options. In addition, custom layout allows you to merge or split windows to create the ideal viewing environment.

32-screen layout available with DX0211-IP only.

1 screen   3 screens   4 screens
8 screens   9 screens   16 screens   32 screens

Custom screen layout
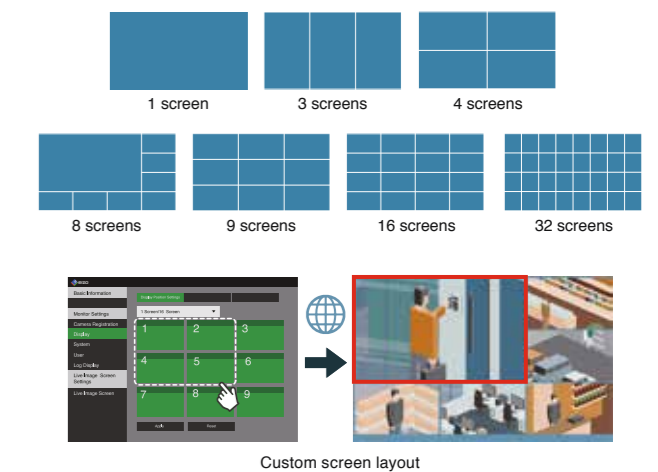
24-Hour, 2-Year Warranty

EIZO's IP decoding solutions are built for 24-hour use and are backed by a 2-year manufacturer's warranty for long-term reliability.

Some features of DuraVision DX0211-IP planned for implementation at the end of 2019. See specifications on page 15 for details.

Case Studies

Walibi Holland

Netherlands

Walibi Holland is one of the larger amusement parks in the Netherlands, welcoming 900,000 visitors. They use DuraVision IP decoding monitors for 24/7 park annually.

"Previously, we needed a lot of servers in order to gather the camera images and display them on a monitor. Now it is simply a matter of plug and play. Put the network plug into the monitor, configure, and the system is operational. EIZO is the only manufacturer able to provide us with this solution. Installation is very quick and saves us a lot of time. Moreover, the images are very sharp and displayed in realistic colors, which provides the operator with a clear image. This is very important when monitoring an attraction."

Kindred Health

USA

Kindred Health Transitional Care and Rehabilitation in Eagle Creek, Indiana, is a nursing home and rehabilitation center specializing in short-term rehabilitation therapy, bridging the gap between hospital and home, as well as long-term care. They use DuraVision IP decoding monitors at each nurse station to monitor activity in hallways, parking lots, and entrances with ease.

"At the time we installed the FDF2304W-IP monitors, it was a breeze thanks to the detailed instructions, easy-to-read icons, and user-friendly interface altogether. Everything is explained in detail throughout the entire installation and setup process, meaning you only have to visit the system once. I was able to customize the layout to meet their preferences."

Sopraco

Belgium

Sopraco is one of Europe's main meat suppliers for wholesalers, supermarket chains, butchers, and the hospitality industry. They use DuraVision IP monitors to manage video streams from over 100 IP cameras across the three routes between their facilities, 24/7.

"As we saw it, there were several reasons to choose the EIZO solution. Both the IP decoding monitors feature excellent image displays. Moreover, operating them doesn't require any computers, software, or other hardware that requires time-consuming update processes or might break down. This reduces the total cost of ownership for us. We can even carry out camera management in a flexible way through the user-friendly web interface during ongoing operations."

Visibility Enhancement Monitors

These speciality monitors are equipped with unique visibility enhancement technology for improving the clarity of security video footage in real time.

Monitors with Visibility Enhancement

Full HD (1920 × 1080) resolution

Up View function that minimizes color distortion when viewed from below

24-hour, 2-year warranty

DuraVision
FDF2306W (23" / 58 cm)
FDF2305W (23" / 58 cm)

Defog

The DuraVision FDF2306W's defog function enhances images that are affected by fog, snow, or other environmental factors that cause the video to appear hazy or unclear.

Equivalent technology for FDF2305W is called Smart Insight.

Low-Light Correction

Low-Light Correction detects areas of the screen that are dark and difficult to see and adjusts the brightness of each pixel. This reproduces highly visible images with a realistic sense of depth by brightening dark areas while keeping lighter areas from becoming washed out.

Outline Enhancer

Outline Enhancer analyzes the displayed content and ensures that noise is not accentuated while correcting blurred areas for a sharper, clearer image. For images with a great deal of depth, it sharpens the foreground more strongly to maintain a real-world sense of focus.

Equivalent technology for FDF2305W is called Smart Resolution.

Analog Input Monitors

These monitors offer PC and composite (BNC) inputs for connection to video surveillance equipment such as closed-circuit televisions (CCTV) and security cameras.
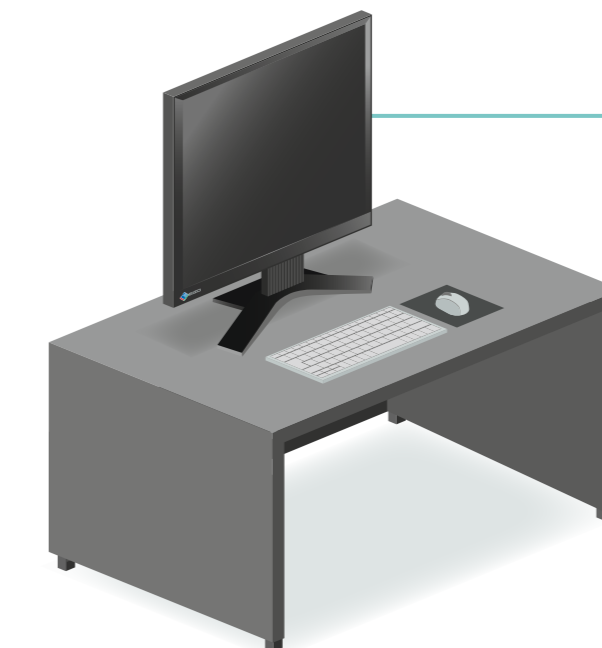
Analog / Digital Input

DuraVision
FDS1903-A (19" / 48.2 cm)

1280 × 1024 resolution

BNC (composite) and HDMI inputs

Supports NTSC, PAL, and SECAM
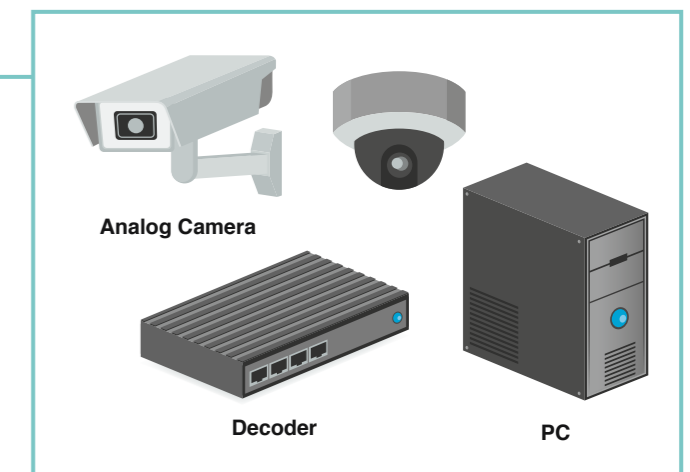
24-hour, 2-year warranty

Analog Input

DuraVision
FDS1703 (17" / 43 cm)

1280 × 1024 resolution

BNC (composite) and D-Sub mini 15 pin inputs

Supports NTSC, PAL, and SECAM

24-hour, 2-year warranty

Analog Camera

Decoder

PC

Diverse Monitor Range

EIZO's extensive range of monitors offers a multitude of feature sets that meet the diverse requirements of any security & surveillance environment.

Multi-Monitor Configuration

FlexScan
EV2450 (23.8" / 60 cm)

- Full HD (1920 × 1080) resolution
- World's thinnest bezels at just 1 mm
- 5-year manufacturer's warranty

4K Resolution Monitor

FlexScan
EV3285 (31.5" / 80 cm)

- 4K UHD (3840 × 2160) resolution
- Fully flat and frameless design
- 5-year manufacturer's warranty

Touch Panel Monitors

DuraVision
FDS1782T (17" / 43 cm)
FDF2382WT (23" / 58 cm)

- 1280 × 1024 (17") and 1920 × 1080 (23") resolution
- Projected capacitive (PCAP) touch technology
- 10-point multitouch with palm rejection technology
- 3-year manufacturer's warranty

DuraVision
FDF2121WT-A (21.5" / 54.7 cm)

- Full HD (1920 × 1080) resolution
- Surface acoustic wave (SAW) touch technology
- 2-point multitouch that accepts touch input from gloves
- 3-year manufacturer's warranty

Range of 15 to 31.5 Inches

EIZO offers a range of monitor sizes from 15 to 31.5 inches with resolutions of up to 4K UHD (3840 × 2160). Both touch and non-touch models are available in several sizes.

Prevent Eye Fatigue

The FlexScan EV Series monitors incorporate several features and functions that help to prevent eye fatigue including flicker-free display, brightness adjustment to as low as 1%, and blue light reduction.

Case Studies

Kantons Polizei Aargau Emergency Control Center

Switzerland

Kantons Polizei Aargau, located in Switzerland, is one of the most advanced emergency control centers in the world. They chose FlexScan ultra-slim bezel monitors for their multi-monitor workstations, running general emergency, police, fire, and ambulance departments 24/7.

Watch the video here: www.eizoglobal.com/i/kapoaargau

Port of Antwerp

Belgium

The port of Antwerp is one of the biggest in the world, situated on the river Scheldt. The highly complex logistical network of the harbor is laid out on several monitors that visualize high resolution IP cameras, maps, and flowcharts. The multi-functional FlexScan 4K monitor proved to be capable of showing all sorts of images in a very precise way while offering unequalled reliability.

Built-In Calibration Sensors

Automatically calibrates while you work

IP Decoding Solutions

LAN Cable

PC-less connection

Switch

In-House Optical Bonding

Gap

Resin Layer

Without Bonding

With Bonding
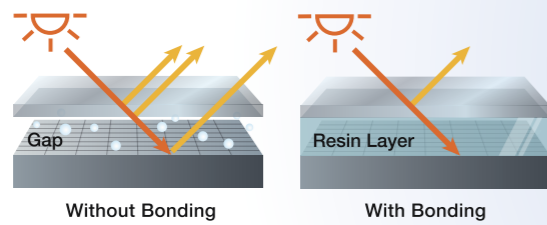
Market-Focused Cloud Solutions

Healthcare

Air Traffic Control

Creative Work

Software for Improved Workflow

Use a single mouse across two PCs
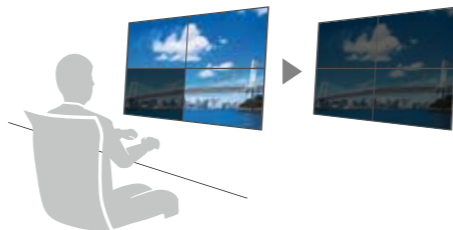
Synchronized adjustment of multiple monitors

Simplified CMS with automatic software and printer settings adjustment

Visual Technology Company

50+Years of Expertise

EIZO

Research and Development

Manufacturing

Quality Control

Customization

Global Reach

FlexScan

Business Enterprise

ColorEdge

Creative Work

CuratOR / RadiForce

Healthcare

DuraVision

Security & Surveillance /Maritime

Raptor / Re/Vue / SafeGuard

Air Traffic Control

FORIS

Home Entertainment

Technical Partnerships and Collaborations

EIZO works with leading manufacturers of security & surveillance solutions to ensure technical compatibility and functional support with various equipment, as well as co-develop solutions to meet highly requested end user 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 · si SCHILLE INFORMATIONSSYSTEME

EIZO is represented in over 80 countries and regions worldwide by a network of 17 group companies and 20 distributors.

Germany (4 branch offices)[*1]
EIZO Europe GmbH

Germany
EIZO Technologies GmbH

Sweden
EIZO Nordic AB

Germany (1 branch office)[*2]
EIZO GmbH

United Kingdom
EIZO Limited

Japan
EIZO Corporation (6 group companies)

USA
EIZO Rugged Solutions Inc.

USA
EIZO Inc.

China
EIZO Display Technologies (Suzhou) Co., Ltd

Saudi Arabia
Saudi Arabia regional sales office

Austria
EIZO Austria GmbH

Switzerland
EIZO AG

- EIZO Corporation (R&D, manufacturing, sales and marketing)
- Group companies (R&D, manufacturing, sales and marketing)
- Group companies (sales and marketing)
- Distributors
- Countries where EIZO products are sold

*1 EIZO Europe GmbH is headquartered in Germany with branch offices in Belgium, Italy, the Netherlands, and the Czech Republic.
*2 EIZO GmbH is headquartered in Karlsruhe with a branch office in Plauen.

Contact us with your installation needs.

www.eizoglobal.com/contact

IP Decoding Solutions

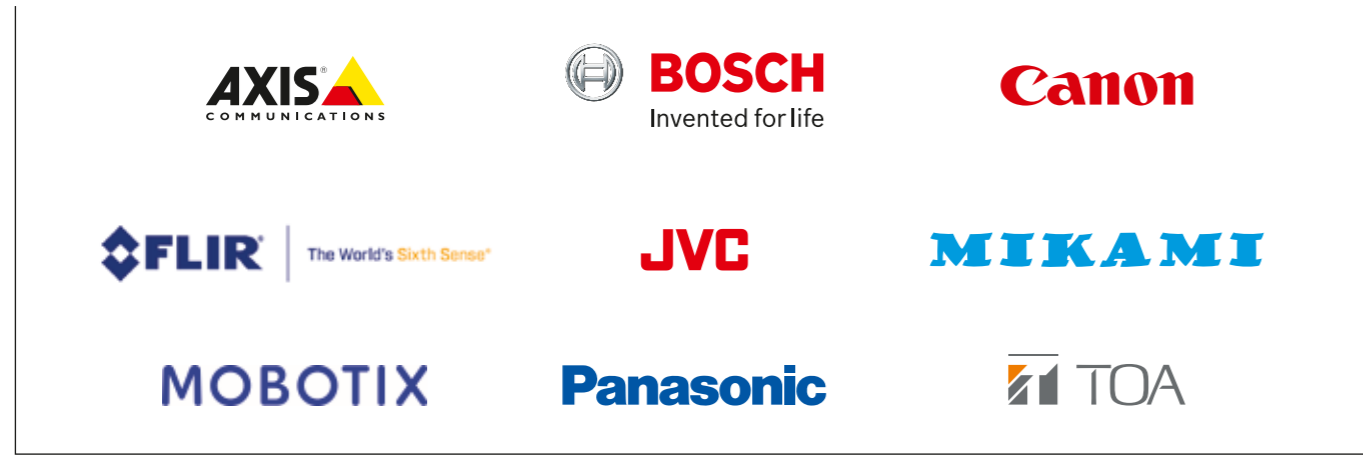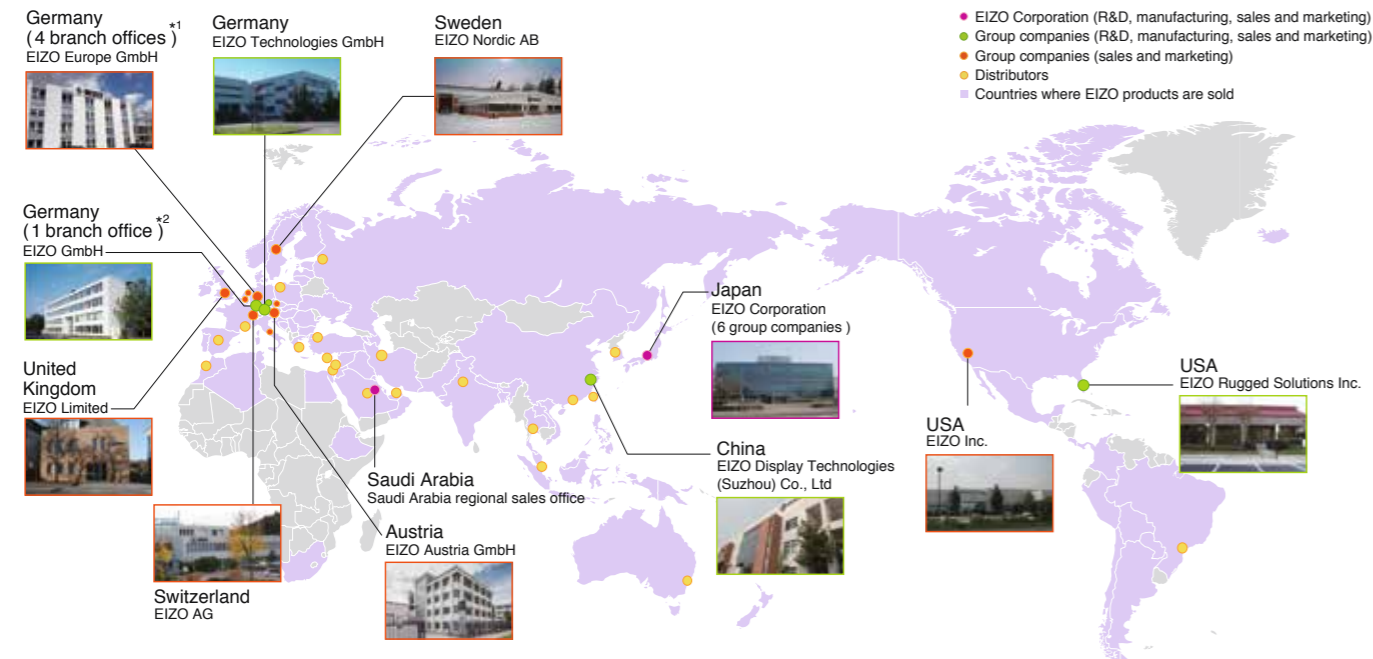|		IP Decoding Monitors		IP Decoding Box
		DuraVision **FDF2304W-IP**	DuraVision **FDF4627W-IP**	DuraVision **DX0211-IP**
Model Variations		FDF2304W-IP: with stand, black	FDF4627W-IP: without stand, black	–
Panel	Type	IPS	VA	–
	Backlight	LED	LED	–
	Size	23" / 58 cm	46" / 116.8 cm	–
	Native Resolution	1920 × 1080 (16:9 aspect ratio)	1920 × 1080 (16:9 aspect ratio)	–
	Viewable Image Size (H × V)	509.1 × 286.4 mm	1018.1 × 572.7 mm	–
	Pixel Pitch	0.265 × 0.265 mm	0.530 × 0.530 mm	–
	Display Colors	16.77 million	16.77 million	–
	Viewing Angles (H / V, typical)	178°, 178°	178°, 178°	–
	Brightness (typical)	300 cd/m²	700 cd/m²	–
	Contrast Ratio (typical)	1000:1	4000:1	–
	Response Time (typical)	8 ms (gray-to-gray)	6.5 ms (gray-to-gray)	–
Video Processor	Channels	16	16	64 (32 channels per output (max.))[1]
	Protocol	ONVIF Profile S, Axis VAPIX, Panasonic, RTSP	ONVIF Profile S, Axis VAPIX, Panasonic, RTSP	ONVIF Profile S, Axis VAPIX, Panasonic, RTSP[2]
	Video Codec	H.264, MJPEG	H.264, MJPEG	H.265[3], H.264, MJPEG
	Video Input Performance[§] (resolution / frame rate)	4 channels: 1920 × 1080 / 20 fps 16 channels: 640 × 480 / 30 fps	4 channels: 1920 × 1080 / 20 fps 16 channels: 640 × 480 / 30 fps	4 channels: 3840 × 2160 / 20 fps 16 channels: 1920 × 1080 / 20 fps
	Bitrate	8192 kbps (maximum)	8192 kbps (maximum)	8192 kbps (maximum)
	Video Stream Performance	1920 × 1080: 30 fps (maximum)	1920 × 1080: 30 fps (maximum)	3840 × 2160: 20 fps (maximum)
Video Signals	Input Terminals	IP Camera: RJ-45 PC : HDMI (HDCP 1.4)	IP Camera: RJ-45 PC : HDMI (HDCP 1.4)	IP Camera: RJ-45
	Output Terminals	–	–	HDMI × 2[4]
	Video Resolution	–	–	3840 × 2160 (maximum)
	Frame Rate	–	–	60 Hz (maximum)
	Digital Scanning Frequency (H / V)	HDMI: 31 - 68 kHz / 49 - 61 Hz	HDMI: 31 - 68 kHz / 49 - 61 Hz	31 - 135 kHz / 49 - 61 Hz
Network	Wired LAN	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+)
	Transmission Rate	1000 Mbps, 100 Mbps	1000 Mbps, 100 Mbps	1000 Mbps, 100 Mbps
USB	Host	USB 2.0: Type-A × 2	USB 2.0: Type-A × 2	USB 2.0: Type-A
Power	Power Requirements	AC 100 - 120 V / AC 200 -240 V, 50 / 60 Hz	AC 100 - 120 V / AC 200 -240 V, 50 / 60 Hz	–
	Input Voltage	–	–	PoE+ Input: 42.5 V - 57 V (48 V typ.) AC Adapter (option): DC12 V ± 10%
	Maximum Power Consumption	61 W	120 W	PoE+ Input: 25.5 W AC Adapter (option): 21.5 W
	Typical Power Consumption	–	–	–
	Standby Mode	3 W or less (Quick start OFF) 33 W or less (Quick start ON)	6 W or less (Quick start OFF) 26 W or less (Quick start ON)	–
Features & Functions	Preset Modes	Day, Night	Day, Night	–
	Visibility Enhancement Technology	Visibility Optimizer (Low-Light Correction, Outline Enhancer, Noise Reduction)	Visibility Optimizer (Low-Light Correction, Outline Enhancer, Noise Reduction)	–
Physical Specifications	Dimensions (Landscape, W × H × D)	563.5 × 411.5 × 157 mm	–	–
	Dimensions (Without Stand, W × H × D)	563.5 × 325 × 63 mm	1067 × 622.5 × 80.4 mm	–
	Net Weight	7.2 kg	–	770 g
	Net Weight (Without Stand)	4.8 kg	19.6 kg	–
	Tilt	30° Up, 0° Down	–	–
	Hole Spacing (VESA Standard)	100 × 100 mm, M4, screw depth 3 - 10.8 mm	400 × 200 mm, M4, screw depth 10 - 15 mm	–
Environmental Requirements	Operating Temperature	0 - 35 °C	0 - 40 °C	0 - 40 °C
	Operating Humidity (R.H., non condensing)	20 - 80%	20 - 80%	20 - 80%
Supplied Accessories (May vary by country. Please contact EIZO for details.)	Signal Cables	HDMI (2 m)	–	HDMI (2 m)
Certifications & Standards (Please contact EIZO for the latest information.)		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, ICES-3 (A), VCCI-A, RCM, RoHS, WEEE
Warranty		Two Years (24-hour use)	Two Years (24-hour use)	Two Years (24-hour use)
Dimensions (Unit: mm)				

Accessories

VOP-01
VESA Offset Plate

A dedicated mounting plate for attaching the DuraVision DX0211-IP decoding box to the back of VESA-supported monitors.

VESAMP100
VESA 100 Mounting Plate
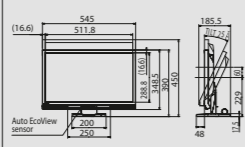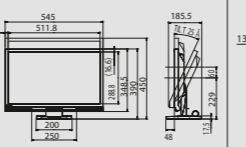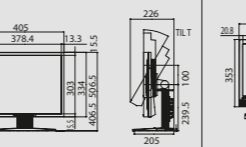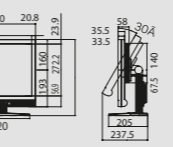
A dedicated mounting plate for attaching the DuraVision DX0211-IP decoding box to the back of certain FlexScan monitors (requires VOP-01).

DVAC-01
AC Adapter
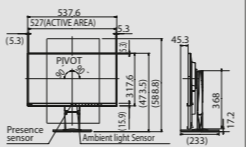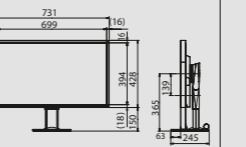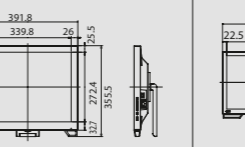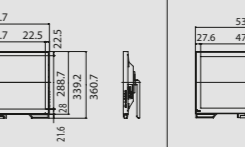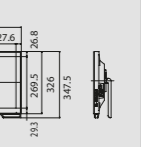
An optional AC adapter for the DuraVision DX0211-IP decoding box to be used in systems without PoE+ support.

[1] Currently supports 16 channels. Support for 64 channels planned for end of 2019. [2] Axis VAPIX and Panasonic protocol support planned for end of 2019. [3] H.265 support planned for end of 2019.
[4] Currently supports single HDMI output. Dual HDMI output support planned for end of 2019. [§] Performance depends on resolution and number of channels displayed. See this page for details: www.eizoglobal.com/i/fps
With current LCD technology, a panel may contain a limited number of missing or flickering pixels.

Visibility Enhancement Monitors / Analog Input Monitors

		Monitors with Visibility Optimizer		Analog / Digital Input	Analog Input
		DuraVision **FDF2306W**	DuraVision **FDF2305W**	DuraVision **FDS1903-A**	DuraVision **FDS1703**
Model Variations		FDF2306W-BK: with stand, black	FDF2305W-BK: with stand, black	FDS1903-ABK: with stand, black / FDS1903-AGY: with stand, gray / FDS1903-AFBK: without stand, black / FDS1903-AFGY: without stand, gray	FDS1703-BK: with stand, black / FDS1703-GY: with stand, gray / FDS1703-FBK: without stand, black / FDS1703-FGY: without stand, gray
Panel	Type	TN	TN	TN	TN
	Backlight	LED	LED	LED	LED
	Size	23" / 58 cm	23" / 58 cm	19" / 48.2 cm	17" / 43 cm
	Native Resolution	1920 × 1080 (16:9 aspect ratio)	1920 × 1080 (16:9 aspect ratio)	1280 × 1024 (5:4 aspect ratio)	1280 × 1024 (5:4 aspect ratio)
	Viewable Image Size (H × V)	509.7 × 286.7 mm	509.7 × 286.7 mm	376.3 × 301.1 mm	337.9 × 270.3 mm
	Pixel Pitch	0.266 × 0.266 mm	0.266 × 0.266 mm	0.294 × 0.294 mm	0.264 × 0.264 mm
	Display Colors	16.77 million	16.77 million	16.77 million	16.77 million
	Viewing Angles (H / V, typical)	170°, 160°	170°, 160°	160°, 160°	160°, 140°
	Brightness (typical)	250 cd/m²	250 cd/m²	350 cd/m²	350 cd/m²
	Contrast Ratio (typical)	1000:1 (5000:1 with ContrastEnhancer)	1000:1 (5000:1 with ContrastEnhancer)	1000:1	800:1
	Response Time (typical)	10 ms (black-white-black)	10 ms (black-white-black)	10 ms (black-white-black)	30 ms (black-white-black)
Touch Panel	Type	–	–	–	–
	Touch Points	–	–	–	–
	Surface Treatment	–	–	–	–
	Communication Protocol	–	–	–	–
	Touch Life	–	–	–	–
	Surface Hardness	–	–	–	–
	Compatible OS	–	–	–	–
Video Signals	Input Terminals	DVI-D (HDCP 1.4), HDMI × 2 (HDCP 1.4), D-Sub mini 15 pin	DVI-D (HDCP 1.4), HDMI × 2 (HDCP 1.4), D-Sub mini 15 pin	HDMI (HDCP 1.4), BNC (Composite)	D-Sub mini 15-pin, BNC (Composite)
	Digital Scanning Frequency (H / V)	HDMI: 15 - 68 kHz / 49 - 61 Hz, DVI: 31 - 68 kHz, 59 - 61 Hz	HDMI: 15 - 68 kHz / 49 - 61 Hz, DVI: 31 - 68 kHz, 59 - 61 Hz	15 - 68 kHz, 50 - 61 Hz	–
	Analog Scanning Frequency (H / V)	31 - 81 kHz, 55 - 76 Hz	31 - 81 kHz, 55 - 76 Hz	–	24.8 - 74.8 kHz, 56.2 - 75.1 Hz
	Sync Formats	Separate	Separate	–	–
	Video Input Format	–	–	NTSC, PAL, SECAM	NTSC, PAL, SECAM
USB	Upstream	–	–	–	–
	Downstream	–	–	–	–
Audio	Speakers	0.5 W + 0.5 W	0.5 W + 0.5 W	0.5 W + 0.5 W	0.5 W + 0.5 W
	Input Terminals	Stereo mini jack, HMDI × 2	Stereo mini jack, HDMI × 2	Stereo mini jack, HDMI	RCA
	Output Terminals	Headphones (stereo mini jack), Line out (stereo mini jack)	Headphones (stereo mini jack), Line out (stereo mini jack)	–	–
Power	Power Requirements	AC 100 - 240 V, 50 / 60 Hz	AC 100 - 240 V, 50 / 60 Hz	AC 100 - 240 V, 50 / 60 Hz	AC 100 - 120 V / AC 200 -240 V, 50 / 60 Hz
	Maximum Power Consumption	38 W	37 W	23 W	36 W
	Typical Power Consumption	19 W	18 W	–	–
	Power Save Mode	0.4 W or less	0.4 W or less	2.5 W or less	8 W or less
	Standby Mode	0.3 W or less	0.3 W or less	0.4 W or less	1 W or less
Features & Functions	Preset Modes	Color Mode (User1, User2, sRGB)	Day, Night, sRGB	–	–
	Auto EcoView	Yes (Default: Disabled)	Yes (Default: Disabled)	–	–
	Visibility Enhancement Technology	Visibility Optimizer (Low-light Correction, Defog, Auto Fog Detection, Outline Enhancer, Skin Tone Enhancer, Text Detection, Noise Reduction)	Smart Insight, Smart Resolution, Smart Detection, Skin Tone Enhancer, Text Enhancer	–	–
Physical Specifications	Dimensions (Landscape, W × H × D)	545 × 390 - 450 × 200 mm	545 × 390 - 450 × 200 mm	405 × 406.5 - 506.5 × 205 mm	380 × 400 - 500 × 205 mm
	Dimensions (Portrait, W × H × D)	–	–	334 × 442 - 542 × 205 mm	353 × 430 - 530 × 205 mm
	Dimensions (Without Stand, W × H × D)	545 × 348.5 × 54 mm	545 × 348.5 × 54 mm	405 × 334 × 61.5 mm	380 × 353 × 58 mm
	Net Weight	5.2 kg	5.2 kg	5.9 kg	5.9 kg
	Net Weight (Without Stand)	3.9 kg	3.9 kg	4.1 kg	4.1 kg
	Height Adjustment Range	60 mm	60 mm	100 mm	100 mm
	Tilt	25° Up, 0° Down	25° Up, 0° Down	30° Up, 0° Down	30° Up, 0° Down
	Swivel	344°	344°	70°	70°
	Pivot	–	–	90°	90°
	Hole Spacing (VESA Standard)	100 × 100 mm, M4, screw depth 3 - 11.4mm	100 × 100 mm, M4, screw depth 3 - 11.4mm	100 × 100 mm, M4, screw depth 3.5 - 10.4 mm	100 × 100 mm, M4, screw depth 3.2 - 9 mm
Environmental Requirements	Temperature	5 - 35 °C	5 - 35 °C	0 - 40 °C	0 - 35 °C
	Humidity (R.H., non condensing)	20 - 80%	20 - 80%	20 - 80%	20 - 80%
Supplied Accessories	Signal Cables	DVI-D (2 m), HDMI (2 m)	DVI-D (2 m), HDMI (2 m)	–	–
Certifications & Standards		CB, CE, cTUVus, FCC-B, CAN ICES-3-B, TUV/S, PSE, VCCI-B, CCC, EAC, RCM, RoHS, WEEE, China RoHS	CB, CE, cTUVus, FCC-B, CAN ICES-3-B, TUV/S, VCCI-B, CCC, EAC, RCM, RoHS, WEEE, China RoHS	CE, CB, cTUVus, FCC-A, CAN ICES-3-A, VCCI-A, RCM, RoHS, WEEE	CE, CB, cTUVus, FCC-A, CAN ICES-3 (A), TUV/S, VCCI-A, RoHS, WEEE, China RoHS, CCC, RCM, EAC
Warranty		Two Years (24-hour use)	Two Years (24-hour use)	Two Years (24-hour use)	Two Years (24-hour use)

Diverse Monitor Range

		Multi-Monitor Configuration	4K Resolution Monitor	Touch Panel Monitors		
		FlexScan **EV2450**	FlexScan **EV3285**	DuraVision **FDS1782T**	DuraVision **FDF2382WT**	DuraVision **FDF2121WT-A**
Model Variations		EV2450-BK: with FlexStand, black / EV2450-GY: with FlexStand, gray / EV2450-WT: with FlexStand, white / EV2450-FBK: without stand, black / EV2450-FGY: without stand, gray / EV2450-FWT: without stand, white	EV3285-BK: with stand, black / EV3285-WT: with stand, white / EV3285-FBK: without stand, black / EV3285-FWT: without stand, white	FDS1782T-LBK: with LaidBack stand, black / FDS1782T-LGY: with LaidBack stand, gray / FDS1782T-FBK: without stand, black / FDS1782T-FGY: without stand, gray	FDF2382WT-LBK: with LaidBack stand, black / FDF2382WT-LGY: with LaidBack stand, gray / FDF2382WT-FBK: without stand, black / FDF2382WT-FGY: without stand, gray	FDF2121WT-ABK: with LaidBack stand, black / FDF2121WT-AGY: with LaidBack stand, gray / FDF2121WT-ATBK: with tilt stand, black / FDF2121WT-ATGY: with tilt stand, gray / FDF2121WT-AFBK: without stand, black / FDF2121WT-AFGY: without stand, gray
Panel	Type	IPS	IPS	IPS	IPS	VA
	Backlight	LED	LED	LED	LED	LED
	Size	23.8" / 60 cm	31.5" / 80 cm	17" / 43 cm	23" / 58 cm	21.5" / 54.7 cm
	Native Resolution	1920 × 1080 (16:9 aspect ratio)	3840 × 2160 (16:9 aspect ratio)	1280 × 1024 (5:4 aspect ratio)	1920 × 1080 (16:9 aspect ratio)	1920 × 1080 (16:9 aspect ratio)
	Viewable Image Size (H × V)	527 × 296.5 mm	697.3 × 392.2 mm	337.9 × 270.3 mm	509.2 × 286.4 mm	476.6 × 268.1 mm
	Pixel Pitch	0.275 × 0.275 mm	0.182 × 0.183 mm	0.264 × 0.264 mm	0.265 × 0.265 mm	0.248 × 0.248 mm
	Display Colors	16.77 million	16.77 million	16.77 million	16.77 million	16.77 million
	Viewing Angles (H / V, typical)	178°, 178°	178°, 178°	178°, 178°	178°, 178°	178°, 178°
	Brightness (typical)	250 cd/m²	350 cd/m²	350 cd/m²	260 cd/m²	230 cd/m²
	Contrast Ratio (typical)	1000:1	1300:1	1000:1	1000:1	5000:1
	Response Time (typical)	5 m (gray-to-gray)	5 ms (gray-to-gray)	11 ms (gray-to-gray)	11 ms (gray-to-gray)	25 ms (black-white-black)
Touch Panel	Type	–	–	Projected Capacitive	Projected Capacitive	Surface Acoustic Wave
	Touch Points	–	–	10	10	2
	Surface Treatment	–	–	Anti-Glare coating	Anti-Glare coating	Anti-Glare coating, Anti-Finger print coating
	Communication Protocol	–	–	USB	USB	USB
	Touch Life	–	–	50 million touches (minimum)	50 million touches (minimum)	50 million touches (minimum)
	Surface Hardness	–	–	5H	5H	7H
	Compatible OS	–	–	Windows 10 (64-bit, 32-bit), Windows 8.1 (64-bit, 32-bit), Windows 7 (64-bit, 32-bit)	Windows 10 (64-bit, 32-bit), Windows 8.1 (64-bit, 32-bit), Windows 7 (64-bit, 32-bit)	Windows 10 (64-bit, 32-bit), Windows 8.1 (64-bit, 32-bit), Windows 7 (64-bit, 32-bit)
Video Signals	Input Terminals	DisplayPort (HDCP 1.3), HDMI (HDCP 1.4), DVI-D (HDCP 1.4), D-Sub mini 15 pin	USB Type-C (DisplayPort AltMode, HDCP 1.3), DisplayPort 1.2 (HDCP 1.3), HDMI (HDCP 2.2 / 1.4) × 2	DisplayPort (HDCP 1.3), DVI-D (HDCP 1.4), D-Sub mini 15 pin	DisplayPort (HDCP 1.3), DVI-D (HDCP 1.4), D-Sub mini 15 pin	DisplayPort (HDCP 1.3), DVI-D (HDCP 1.4), D-Sub mini 15 pin
	Digital Scanning Frequency (H / V)	DVI-D: 31 -68 kHz, 59 - 61 Hz; DisplayPort: 31 -68 kHz, 59 - 61 Hz; HDMI: 15 -68 kHz, 59 - 61 Hz	USB Type-C: 31 - 134 kHz, 29 - 31 Hz and 59 - 61 Hz; DisplayPort: 31 - 134 kHz, 29 - 31 Hz and 59 - 61 Hz; HDMI: 31 - 135 kHz, 29 - 31 Hz, and 49 - 61 Hz	31 - 64 kHz, 59 - 61 Hz	DVI-D: 31 - 64 kHz, 59 - 61 Hz; DisplayPort: 31 - 68 kHz, 59 - 61 Hz	31 - 68 kHz, 59 - 61 Hz
	Analog Scanning Frequency (H / V)	31 - 81 kHz, 55 - 76 Hz	–	31 - 81 kHz, 55 - 76 Hz	31 - 81 kHz, 55 - 76 Hz	31 - 81 kHz, 55 - 76 Hz
	Sync Formats	Separate	–	Separate	Separate	Separate
	Video Input Format	–	–	–	–	–
USB	Upstream	USB 3.1 Gen 1: Type-B	USB 3.1 Gen 1: Type-C (DisplayPort AltMode, Power Delivery Source 60 W max.)	USB 2.0: Type-B	USB 2.0: Type-B	USB 2.0: Type-B
	Downstream	USB 3.1 Gen 1: Type-A × 2	USB 3.1 Gen 1: Type-A × 2 (Battery Charging 10.5 W max. × 1)	USB 2.0: Type-A × 2	USB 2.0: Type-A	–
Audio	Speakers	1.0 W + 1.0 W	1.0 W + 1.0 W	1.0 W + 1.0 W	1.0 W + 1.0 W	1.0 W + 1.0 W
	Input Terminals	Stereo mini jack, DisplayPort, HDMI	USB Type-C, DisplayPort, HDMI × 2	Stereo mini jack, DisplayPort	Stereo mini jack, DisplayPort	Stereo mini jack, DisplayPort
	Output Terminals	Headphones (stereo mini jack)	Headphones (stereo mini jack)	Headphones (stereo mini jack)	Headphones (stereo mini jack)	–
Power	Power Requirements	AC 100 - 120 V / AC 200 -240 V, 50 / 60 Hz	AC 100 - 240 V, 50 / 60 Hz	AC 100 - 240 V, 50 / 60 Hz	AC 100 - 240 V, 50 / 60 Hz	AC 100 - 240 V, 50 / 60 Hz
	Maximum Power Consumption	44 W	163 W	37 W	42 W	33 W
	Typical Power Consumption	11 W	32 W	10 W	14 W	11 W
	Power Save Mode	0.3 W or less	0.5 W or less	0.7 W or less	0.7 W or less	2 W or less
	Standby Mode	0.3 W or less	0.5 W or less	0.7 W or less	0.7 W or less	0.7 W or less
Features & Functions	Preset Modes	Color Mode (Paper, Movie, sRGB, User1, User2, DICOM)	Color Mode (User1, User2, sRGB, Paper, Movie, DICOM)	Color Mode (User1, User2, sRGB)	Color Mode (User1, User2, sRGB)	Color Mode (User1, User2, sRGB)
	Auto EcoView	Yes	Yes	–	–	–
	Visibility Enhancement Technology	–	–	–	–	–
Physical Specifications	Dimensions (Landscape, W × H × D)	537.6 × 368† - 473.5 × 233 mm	717.4 × 427.3 - 576.2 × 230 mm	391.8 × 142.5 - 348 × 214.9 - 400.4 mm	556.7 × 143.9 - 353.9 × 216.3 - 401.3 mm	With LaidBack Stand: 533 × 139 - 347.5 × 89 - 401.5 mm / With Tilt Stand: 533 × 402 × 157 mm
	Dimensions (Portrait, W × H × D)	317.6 × 547.6 - 588.8 × 233 mm	–	–	–	–
	Dimensions (Without Stand, W × H × D)	537.6 × 317.6 × 47.9 mm	717.4 × 416.3 × 51.5 mm	391.8 × 330.6 × 54 mm	556.7 × 339.2 × 54 mm	533 × 326 × 54 mm
	Net Weight	6.2 kg	11 kg	4.8 kg	6.6 kg	With LaidBack Stand: 6.5 kg / With Tilt Stand: 8.4 kg
	Net Weight (Without Stand)	3.8 kg	7.6 kg	4.3 kg	6 kg	6 kg
	Height Adjustment Range	140 mm	148.9 mm	–	–	–
	Tilt	35° Up, 5° Down	35°Up, 5° Down	15° - 70°	15° - 70°	With LaidBack Stand: 15° - 70° / With Tilt Stand: 30° Up, 0° Down
	Swivel	344°	344°	–	–	–
	Pivot	90° (both clockwise and counter clockwise)	–	–	–	–
	Hole Spacing (VESA Standard)	100 × 100 mm	100 × 100 mm	100 × 100 mm, M4, screw depth 9.8 mm	100 × 100 mm, M4, screw depth 3 - 9.5 mm	100 × 100 mm, M4, screw depth 3 - 9.5 mm
Environmental Requirements	Temperature	5 - 35 °C	5 - 35 °C	5 - 35 °C	5 - 35 °C	0 - 40 °C
	Humidity (R.H., non condensing)	20 - 80%	20 - 80%	20 - 80%	20 - 80%	20 - 90%
Supplied Accessories	Signal Cables	DisplayPort (2 m)	USB Type-C (2m), DisplayPort (2 m), HDMI (2 m)	DisplayPort (2m), DVI-D (2 m)	DisplayPort (2m), DVI-D (2 m)	DVI-D (2m), D-Sub mini 15 pin (1.8 m)
Certifications & Standards		TCO Certified Generation 8, EPEAT Gold 2009 (US), EPEAT 2018 (US), TUV/Ergonomics, TUV/Low Blue Light Content, TUV/Flicker Free, TUV/GS, RCM, CE, CB, cTUVus, FCC-B, CE, CB, cTUVus, FCC-B, CAN ICES-3-B,TUV/S, VCCI-B, EPA Energy Star, RoHS, WEEE, China RoHS, CCC, EAC	TCO Certified Generation 8, EPEAT Gold 2009 (US), EPEAT 2018 (US), TUV/Ergonomics, TUV/Low Blue Light Content, TUV/Flicker Free, TUV/GS, RCM, OE, CB, cTUVus, FCC-B, CAN ICES-3 (B), TUV/S, PSE, VCCI-B, EPA Energy Star, RoHS, WEEE, China RoHS, CCC, China Energy Label Grade3, EAC	CB (IEC60601-1), CB, CE, cTUVus, FCC-B, CAN ICES-3 (B), VCCI-B, CCC, RCM, EAC, RoHS, WEEE, China RoHS	CB, CE, cTUVus, FCC-B, CAN ICES-3 (B), VCCI-B, CCC, RCM, EAC, RoHS, WEEE, China RoHS	CB, CE, cTUVus, FCC-B, CAN ICES-3 (B), VCCI-B, CCC, RoHS, WEEE, China RoHS
Warranty		Five Years[3]	Five Years[3]	Three Years	Three Years	Three Years (24-hour use)

¹ The stand's height surpasses the screen.   ² Free from bright sub-pixels for 6 months from the date of purchase. With current LCD technology, a panel may contain a limited number of missing or flickering pixels.

EIZO Europe GmbH – Germany

Helmut-Grashoff-Str. 18

41179 Mönchengladbach

Phone: +49 2161 8210-0

www.eizo.de

EIZO Austria GmbH – Austria, Hungary, Romania & Bulgaria

Pfarrgasse 87

1230 Wien

Phone: +43 1 6152886-10

www.eizo.at, www.eizo.hu

EIZO Europe GmbH – Belgium & Luxembourg

Antwerpsesteenweg 22

2860 Sint-Katelijne-Waver (Mechelen)

Phone: +32 15 645511

www.eizo.be

EIZO Europe GmbH – Czech Republic & Slovakia

Meteor Centre Office Park "B"

Sokolovská 100/94

186 00 Praha 8

Phone: +420 222 319 714

www.eizo.cz, www.eizomonitor.sk

EIZO Europe GmbH – Succursale per l'Italia

Via Torino, 3/5

20814 – Varedo (MB)

Phone: +39 0362 1695250

www.eizo.it

EIZO Europe GmbH – The Netherlands

Dr. Holtroplaan 34–36

5652 XR Eindhoven

Phone: +31 40 7600-360

www.eizo.nl

EIZO Nordic AB

Lövängsvägen 14

SE-194 05 Upplands Väsby

Phone: +46 8 594 105 00

www.eizo.se

EIZO Limited – United Kingdom

Stylus House | London Road,

Bracknell | Berkshire

RG12 2UT

Phone: +44 1344 317 480

www.eizo.co.uk