



23" Industrial Monitor

**DuraVision FDF2305W**

## Smart Insight + Smart Resolution



- Makes the entire screen more visible to the human eye
- Reduces noise and blurring, ensuring a sharper display



- Increases visibility in dark areas
- Maintains visibility across the entire screen, including bright areas

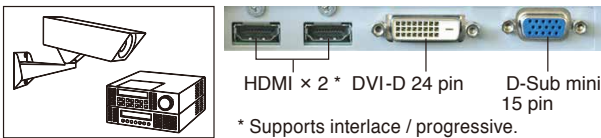


**FDF2305W**

## Full-HD Monitor with Visibility-Enhancing Technology for Security and Surveillance

### Equipped with 2 HDMI Inputs

The DuraVision FDF2305W is equipped with DVI-D 24 pin and D-Sub mini 15 pin inputs for digital and analog signal support respectively. It also has two HDMI inputs which support both PC and AV signals and can be connected to video cameras, recorders, and other AV devices.



### Full HD (1920 x 1080) LCD Panel

Images are displayed pixel-by-pixel in full high definition that fills the entire screen. Images taken with full HD cameras are reproduced in detail.

#### ■ Displaying HD contents



19-inch monitor (1280x1024)  
Black bars are visible and the screen is blurry

FDF2305W (1920x1080)  
Displays pixel-by-pixel full HD content that fills the screen

### Visibility in Dark Areas with Smart Insight

Automatically detects areas that are difficult to see and adjusts the brightness of each pixel, reproducing images with a realistic sense of depth. Figures that used to be difficult to see are now made visible.

#### Smart Insight off

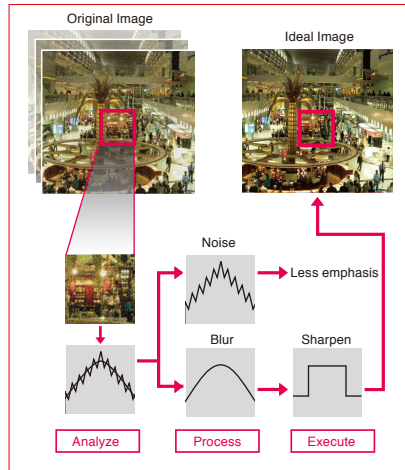


#### Smart Insight on

Easy to see the dark areas!



### Smart Resolution for Sharper Images



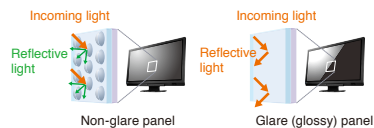
EIZO-patented super-resolution technology called Smart Resolution analyzes the displayed content for noise and blur. It ensures that noise is not accentuated while correcting the blur to the extent needed to sharpen the image. For images with a lot of depth, it sharpens the foreground more strongly to reproduce the depth that simulates a real world sense of focus.

### Day and Night Preset Modes

3 preset modes are included: sRGB, Day, and Night. The latter two presets are optimized to match Day mode and Night mode (monochrome) used in digital cameras. You can easily switch between modes using a single button on the included remote control.

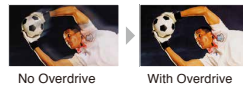
### Reduce Reflective Light

A non-glare panel dissipates reflective light that would normally make the screen difficult to view and strain the eyes.



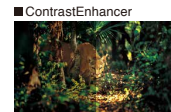
### Display Moving Images Clearly

An overdrive circuit accelerates gray-to-gray response time which minimizes ghosting and blurring during high motion scenes for clear video reproduction.



### Equipped with Contrast Enhancer

Contrast Enhancer controls the LED backlight during videos. It has a 5000:1 contrast ratio that produces dark, realistic blacks and presents a clear display when contrast is increased.

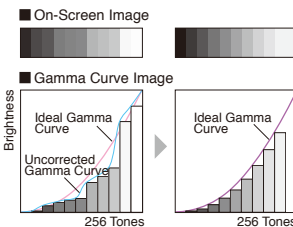


### Supports HDCP

The monitor is equipped with a DVI-D 24 pin and HDMI input with HDCP copyright protection technology. By connecting to an HDCP enabled computer, you can display digital copyright protected contents from digital streams and blue-ray.

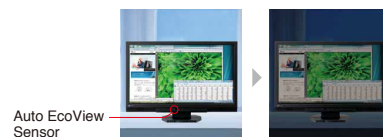
### Smooth Gradations

The input signal from a PC with 8 bits per RGB (Red, Green, Blue) color is converted to 14 bits within the monitor. Using gamma correction with a 14-bit LUT, the monitor chooses the best colors and returns the data to 8-bits to produce smooth display of gradations.



### Automatic Brightness Adjustment

An Auto EcoView sensor on the front of the monitor detects ambient light and automatically optimizes the screen's brightness. Since the screen is never too bright or too dark, eye strain is reduced while power consumption is also cut.



### LED Backlight

The LED backlight has a wide dimming range, adjustable to as low as 3 cd/m<sup>2</sup>. This makes it possible to use the monitor in dark places or environments where the illumination can change dramatically.

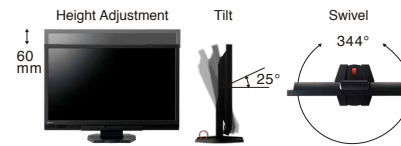
### Compact Remote Control

Change inputs, sound, screen size, color mode, etc. directly using the included compact remote control.



### Versatile Positioning

Adjust the monitor to the most comfortable position for working with height adjustment, tilt, and swivel capability.



### Built-In Speakers and Headphone Jack

The monitor is equipped with 0.5W + 0.5W stereo speakers. Users can connect external speakers using the line out port.



### Built-In Power Supply

The AC power supply is built-in so you can connect easily with only one power cord.

### Safety Lock

The monitor is equipped with a safety lock that can lock it in place on a desk or other surfaces, preventing the monitor from being knocked over or removed.

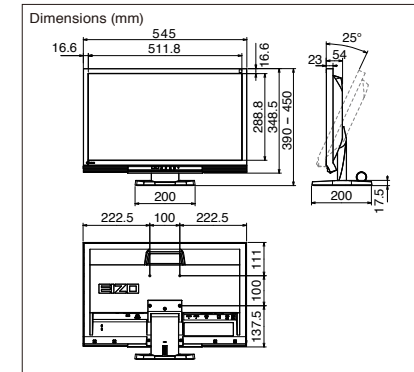
### Protection Panel

An optional panel with reversible glossy and non-glare sides fits between the LCD screen and bezel to protect against dust and scratches.



### Standless Mount Option

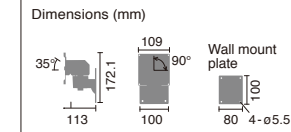
The stand can be easily removed to allow for wall mounting using the VESA mount screw-holes.



### Accessory

**LA-011-W**  
Wall Mount Arm (1-Axis Arm)

Mount your LCD monitor on a wall and change the screen position as necessary with tilt and swivel capability.



SPECIFICATIONS

|                                       |   |
|---------------------------------------|---|
| Cabinet Color                         | Black   |
| Panel Type                            | TN  |
| Backlight                             | LED   |
| Panel Size                            | 23" / 58 cm (584 mm diagonal)   |
| Native Resolution                     | 1920 x 1080   |
| Display Size (H x V)                  | 509.76 x 286.74 mm  |
| Pixel Pitch                           | 0.2655 x 0.2655 mm  |
| Grayscale Tones                       | 256 tones   |
| Display Colors                        | 16.7 million  |
| Viewing Angles (H / V, typical)       | 170°, 160°  |
| Brightness (typical)                  | 250 cd/m <sup>2</sup>   |
| Contrast Ratio (typical)              | 1000:1 (5000:1 with Contrast Enhancer)  |
| Response Time (typical)               | 10 ms (Black to White to Black)   |
| Input Terminals                       | PC: DVI-D 24 pin (with HDCP), D-Sub mini 15 pin<br>PC / AV: HDMI x 2  |
| Digital Scanning Frequency (H / V)    | HDMI: 15 - 68 kHz / 49 - 61 Hz (VGA Text: 69 - 71 Hz),<br>DVI: 31 - 68 kHz, 59 - 61 Hz (VGA Text: 69 - 71 Hz)   |
| Analog Scanning Frequency (H / V)     | PC: 31 - 81 kHz, 55 - 76 Hz<br>AV: -  |
| Sync Formats                          | PC: Separate<br>AV: -   |
| Speakers                              | 0.5 W + 0.5 W (stereo)  |
| Audio Input Terminals                 | PC: 3.5 mm stereo jack x 1<br>PC / AV: HDMI x 2   |
| Audio Output Terminals                | 3.5 mm stereo jack, 3.5 mm headphone jack   |
| Sound Adjustment                      | Volume, Mute, Sound Level, source (HDMI)  |
| Power Requirements                    | AC 100 - 120 V / AC 200 - 240 V, 50 / 60 Hz   |
| Maximum Power Consumption             | 37 W  |
| Typical Power Consumption             | 18 W  |
| Power Save Mode                       | Less than 0.4 W   |
| Standby Mode                          | Less than 0.3 W   |
| Power Management                      | DVI DMPM, VESA DPM  |
| Auto EcoView                          | Yes (Default: Disabled)   |
| Dimensions (Landscape, W x H x D)     | 545 x 390 - 450 x 200 mm  |
| Dimensions (Without Stand, W x H x D) | 545 x 348.5 x 54 mm   |
| Net Weight                            | 5.2 kg  |
| Net Weight (Without Stand)            | 3.9 kg  |
| Height Adjustment Range               | 60 mm   |
| Tilt                                  | 25° Up, 0° Down   |
| Swivel                                | 172° Right, 172° Left   |
| Hole Spacing (VESA Standard)          | 100 x 100 mm  |
| Temperature                           | 5 - 35 °C   |
| Humidity (R.H., non condensing)       | 20 - 80 %   |
| Certifications & Standards            | CE, CE, cTUVus, FCC-B, Canadian ICES-003-B,<br>TUV/S, VCCI-B, CCC, RCM, RoHS, WEEE, China RoHS  |
| Supplied Accessories                  | Power cord, Signal cable (DVI-D - DVI-D, HDMI - HDMI), remote control with battery, Screws for mount option, Setup manual, CD-ROM (PDF user's manual) |
| Warranty                              | Two Years   |

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## Assured Systems

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