

# IDS-3110

## 10.4" Industrial Open Frame Monitor

**NEW**



### Features

- 10.4" LCD panel with LED backlight for 20% power saving and environmental protection
- -20° C ~ +60° C wide range operating temperature
- 5-wire resistive touchscreen solution / Projected capacitive touch as options
- Combo touch interface: RS-232 and USB
- Dual signal interface with VGA & DVI, optional with HDMI
- Integrated bracket for easy installation
- Versatile mounting methods for rear mounting and VESA mounting
- Anti-Reflective treatment (optional)
- Ultra high brightness solution of 1200 cd/m<sup>2</sup> for outdoor application (optional)



### Introduction

The Advantech IDS-3110 Embedded Open Frame Monitor series offers flexible options for LCD, touchscreen, signal interface and chassis mounting. The series supports rear and VESA mounting. The integrated brackets bring the benefits of easy installation and provide flexibility for different applications.

### Specifications

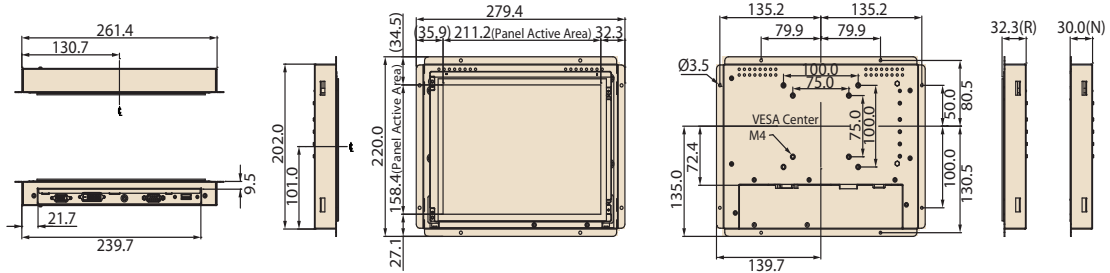
	Model	IDS-3110	IDS-3110E	IDS-3110 XGA
Display	Size	10.4" LED panel	10.4" LED panel	10.4" LED panel
	Resolution	800 x 600 (SVGA)	800 x 600 (SVGA)	1024 x 768 (XGA)
	Viewing Angle	80°/80° (H), 60°/80° (V)	80° /80° (H), 60° /70° (V)	88° /88° (H), 88° /88° (V)
	Brightness	400 (cd/m <sup>2</sup> )	230 (cd/m <sup>2</sup> )	500 (cd/m <sup>2</sup> )
	Color Support	16.2M / 262K colors	16.2M / 262K colors	16.2M colors
	Contrast Ratio	700:1	500:1	1000:1
	Response Time	30 [msec]	35 [msec]	25 [msec]
	Backlight Life (hrs)	50,000 hrs	30,000 hrs	50,000 hrs
Touchscreen	Touchscreen Type	5-Wire Resistive Touchscreen	5-Wire Resistive Touchscreen	5-Wire Resistive Touchscreen / Projected Capacitive touch
	Surface Hardness	3H	3H	3H / Mohs 5
	Durability	36 million touches	36 million touches	36 million touches / No limited
	Transparency	81%±3%	81%±3%	81%±3% / 90%±3%
Environment	Operating Temperature	-20 ~ 60° C (-4 ~ 140° F)	0~ 45° C (32 ~ 113° F)	-20 ~ 60° C (-4 ~ 140° F)
	Storage Temperature	-30 ~ 70° C (-22 ~ 158° F)	-20 ~ 60° C (-4 ~ 140° F)	-30 ~ 70° C (-22 ~ 158° F)
	Humidity	95% @ 40° C, non-condensing		
	Vibration	5-500Hz, 0.026G <sup>2</sup> /Hz, 2.16Grms, X, Y, Z 1 hour per axis		
System	I/O	VGA x 1; DVI-D x 1; 12 V <sub>DC</sub> Jack x 1; USB x1; RS-232 x 1 (USB & RS-232 are reserved for the connection to enable touch usage only)	VGA x 1; 12 V <sub>DC</sub> Jack x 1; USB x1; RS-232 x 1 (USB & RS-232 are reserved for the connection to enable touch usage only)	VGA x 1; DVI-D x 1; 12 V <sub>DC</sub> Jack x 1; USB x1; RS-232 x 1 (USB & RS-232 are reserved for the connection to enable touch usage only)
	OSD	Keys: Menu, Up, Down, Auto Adjust, Monitor Power on/off Menu Functions: Brightness, Contrast, Screen Settings, Color Temp, Language OSD Settings, VGA/ DVI , Recall , Auto Adjust	Keys: Menu, Up, Down, Auto Adjust, Monitor Power on/off Menu Functions: Brightness, Contrast, Color Adjust, Color Temp, Auto Color, and Language	
	Power Consumption	36 W power adapter, with AC 100 ~ 240 V input and DC +12 V @ 3 A output		
	EMC Certificated	CE/FCC/CCC		

**IDS-3110**

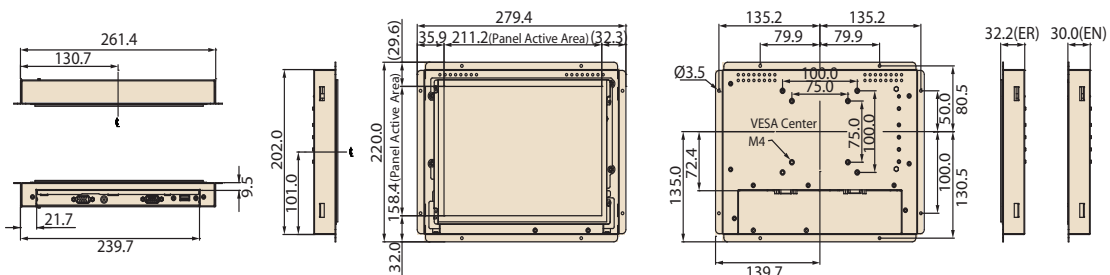
**Dimensions**

Unit: mm

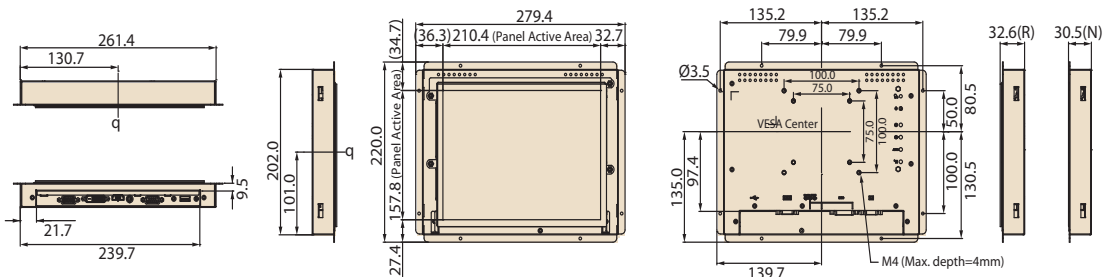
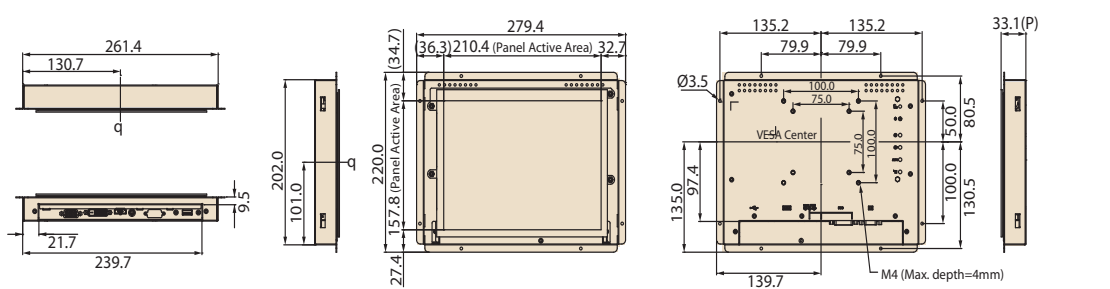
**IDS-3110 series**



**IDS-3110E series**



**IDS-3110 XGA series**



## IDS-3110

### Packing List

Part Number	Description
1700002215	1 x M Cable USB-A(M)/USB-A(M) 180 cm
1700021332-11	1 x VGA cable 15P(M) 180 cm
1962055040	4 x clamper
1935042520	4 x clamper screws M4_25L
1992610005	1 x cable clamp
1933030500	1 x cable clamp screw
1992602010	1 x cable tie

\* USB Cable is only included in IDS-3110R and IDS-3110ER series.

Note: Package contents are subject to change without prior notice

### Optional Items

Part Number	Description
1700001524	3-pin power cord (US)
170203183C	3-pin power cord (EU)
1700008921	3-pin power cord with PSE (Japan)
96PSA-A36W12R1-3	Adapter 100-240V 36W 12V 3A
1700000243-11	M cable DVI 19P(M)/DVI 19P(M) 191cm
1700091800	Cable 9P/9P 1.8M M/F (Touchscreen RS-232 cable)

### Ordering Information

Model Name	Description
IDS-3110N-40SVA1E	10.4" SVGA 400 cd/m <sup>2</sup> LED Open Frame Monitor
IDS-3110R-40SVA1E	10.4" SVGA 400 cd/m <sup>2</sup> LED Open Frame Touch Monitor
IDS-3110EN-23SVA1E	10.4" SVGA 230 cd/m <sup>2</sup> LED Open Frame Monitor
IDS-3110ER-23SVA1E	10.4" SVGA 230 cd/m <sup>2</sup> LED Open Frame Touch Monitor
IDS-3110N-50XGA1E	10.4" XGA 500 cd/m <sup>2</sup> LED Open Frame Monitor
IDS-3110R-50XGA1E	10.4" XGA 500 cd/m <sup>2</sup> LED Open Frame Touch Monitor
IDS-3110P-50XGA1E	10.4" XGA 500 cd/m <sup>2</sup> Open Frame P-cap Touch Monitor

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