

# 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.

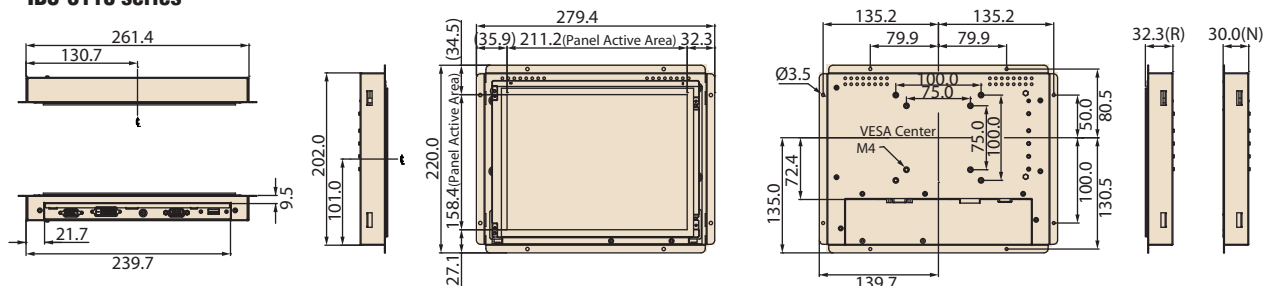
### Specifications

|             | 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<br>1 hour per axis                                                                                                               |                                                                                                                                                     |                                                                            |
| System      | I/O                   | VGA x 1; DVI-D x 1;<br>12 V <sub>DC</sub> Jack x 1; USB x 1;<br>RS-232 x 1<br>(USB & RS-232 are reserved for the connection to enable touch usage only)                              | VGA x 1; 12 V <sub>DC</sub> Jack x 1;<br>USB x 1; RS-232 x 1                                                                                        | VGA x 1; DVI-D x 1;<br>12 V <sub>DC</sub> Jack x 1; USB x 1;<br>RS-232 x 1 |
|             | OSD                   | Keys: Menu, Up, Down, Auto Adjust, Monitor Power on/off<br>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<br>Menu Functions: Brightness, Contrast, Color Adjust, Color Temp, Auto Color, and Language |                                                                            |
|             | Power Consumption     | 6.68W(R)                                                                                                                                                                             | 5.1W(R)<br>4.6W(N)                                                                                                                                  | 11.8W(R)<br>11.47W(P)<br>11.3W(N)                                          |
|             | EMC Certified         | 6.18W(N)                                                                                                                                                                             |                                                                                                                                                     |                                                                            |
|             | Package Dimension     | 420 x 333 x 173 mm                                                                                                                                                                   |                                                                                                                                                     |                                                                            |
|             | Net Weight            | 1.6kg                                                                                                                                                                                | 1.6kg                                                                                                                                               | 1.2kg                                                                      |
|             | Gross Weight          | 2.9kg                                                                                                                                                                                | 2.9kg                                                                                                                                               | 2.5kg                                                                      |

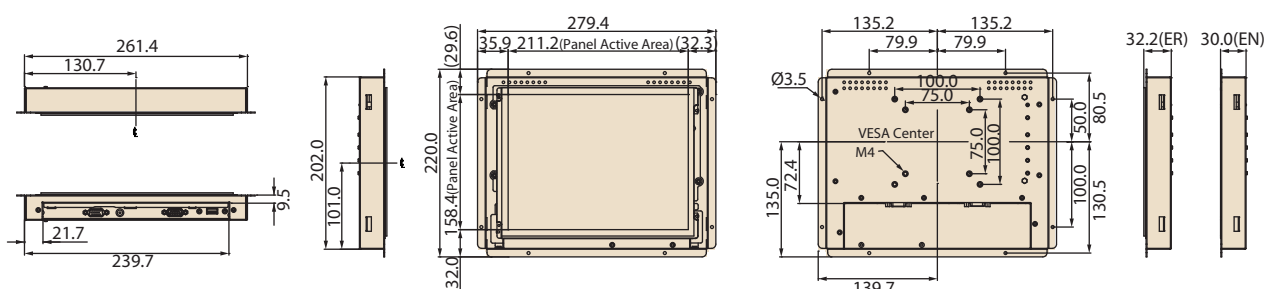
## Dimensions

Unit: mm

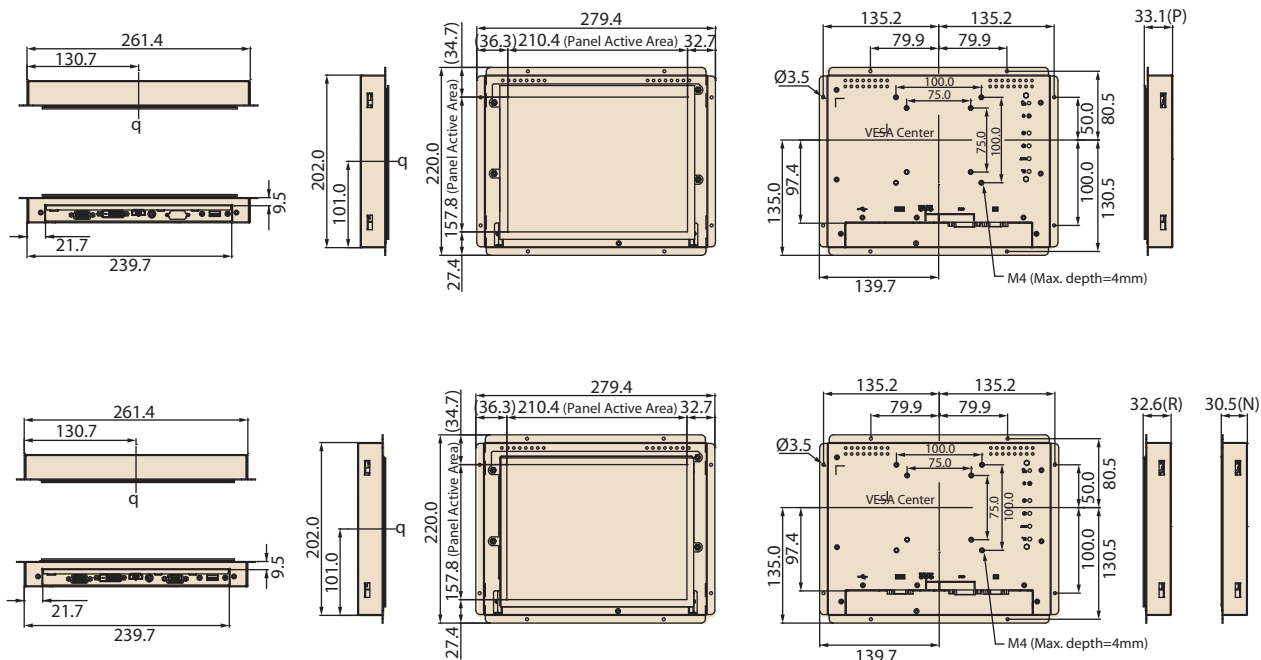
### IDS-3110 series



### IDS-3110E series



### IDS-3110 XGA series



## 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 clasper                          |
| 1935042520    | 4 x clasper 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 | 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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