

# ES-3115

## 15" Industrial LCD Monitor



### Features

- 15" LCD supports 1024 x 768 pixels
- Multiple touchscreen options for different applications
- Versatile mounting brackets
- Open-frame architecture with Embedded LCD touch panel
- Supports full-function OSD control keys to optimize the display
- Sunlight readable option
- Ultra-high brightness up to 1000 nit option

### Introduction

The Advantech ES-3115 Industrial Open Frame 15" Monitor is equipped with a Resistive, Capacitive, SAW or Infrared touchscreen, mainly for self-service kiosk applications. The strengthened steel mechanical enclosure and optional tempered or vandal proof glass enables the ES-3115 to withstand harsh environments.

### Specifications

- **I/O Ports** 15-pin D-Sub, DC power input, RS-232 port, Power switch
- **Display Input Signal** Analog RGB, 0.7 VP-P/75 Ohm
- **Multi-Scan Mode** Supports VGA/SVGA/XGA
- **Refresh Rates** FH: 30 ~ 60 KHz, FV: 56 ~ 75 Hz
- **OSD Control** Key : Provide auto-tune/menu/decrease/increase  
Function: Supports Brightness/Contrast/Clock/Phase/  
Horizontal Position/Vertical Position/Sharpness
- **Power** External 45 W power adaptor, with AC 100 ~ 240 V @  
1.2 A input and DC +12 V @ 3.75 A output
- **Dimensions (W x H x D)** 414 x 322.2 x 50 mm
- **Weight** 4.1 kg

#### Environment

- **Operating Temperature** -0 ~ 50° C (32 ~ 122° F)
- **Storage Temperature** -20 ~ 60° C (-4 ~ 140° F) for standard LCDs
- **Humidity** 5 ~ 95% @ 40° C, non-condensing
- **Shock** 10 G peak acceleration (11 ms duration)
- **EMC Approved** CE, FCC
- **Safety Approved** UL

### Display

**NEW**

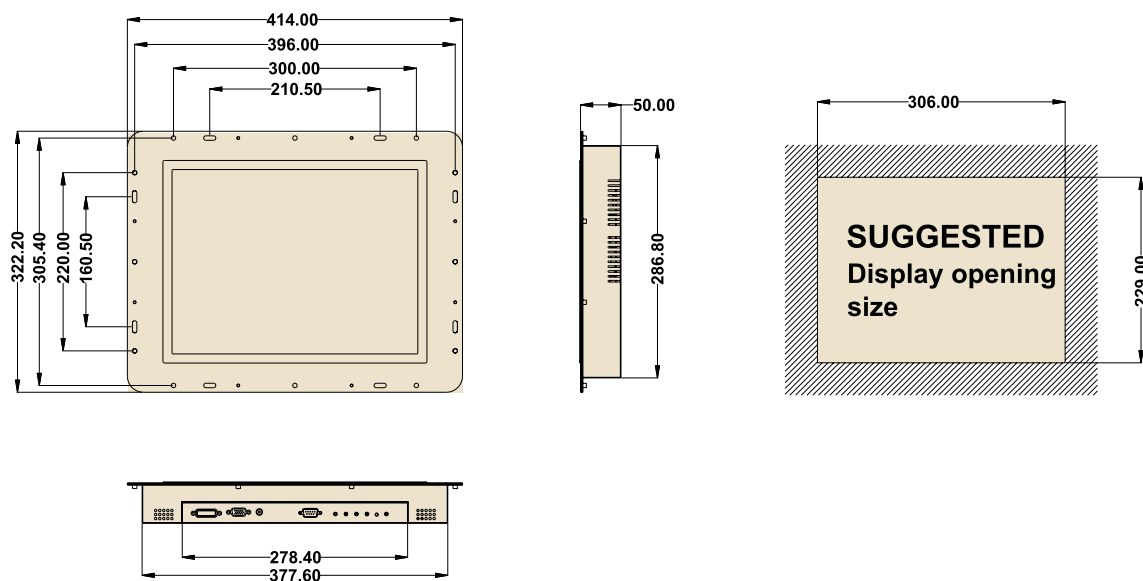
| Feature                 | Standard / (OEM) | Sunlight Readable |
|-------------------------|------------------|-------------------|
| Size                    | 15"              | 15"               |
| Resolution (pixels)     | 1024 x 768 XGA   | 1024 x 768 XGA    |
| Number of Colors        | 262K             | 262K              |
| Viewing Angle (L/R/U/D) | 60°/60°/40°/60°  | 70°/70°/70°/50°   |
| Brightness (nit)        | 350              | 350               |
| Contrast Ratio          | 500:1            | 500:1             |
| Response Time (ms)      | 12               | 12                |
| Lamp Life (hrs)         | 50,000           | 50,000            |
| Long-term Support       | Yes              | Yes               |
| Anti-reflection         | N/A              | Yes               |

### Touchscreen

| Type                 | Analog Resistive                                | Capacitive      | SAW            | Infrared         |
|----------------------|-------------------------------------------------|-----------------|----------------|------------------|
| Thickness            | 3.48 mm                                         | 3.18 mm         | 2.7 mm         | 3.0 mm           |
| Resolution           | 4096 x 4096                                     | 1024 x 1024     | 4096 x 4096    | 4096 x 4096      |
| Light Transmission   | 80%                                             | 85%             | 92%            | 92%              |
| Controller Interface | RS-232/USB                                      | RS-232          | RS-232/USB     | RS-232/USB       |
| Power Consumption    | +5 V @ 200 mA                                   | +5 V @ 100 mA   | +5 V @ 75 mA   | +5 V @ 150 mA    |
| Touch Lifetime       | 35 million hrs                                  | 225 million hrs | 50 million hrs | MTBF 100,000 hrs |
| Driver OS Support    | DOS, Linux, Mac, Windows 95/98/NT/ME/CE/2000/XP |                 |                |                  |

## Dimensions

Unit: mm



## Ordering Information

| Part No.         | Type       | Brightness (nit) | Interface | Touchscreen      | Touch Interface | Transflective |
|------------------|------------|------------------|-----------|------------------|-----------------|---------------|
| ES-3115G-VXAE    | Open Frame | 350              | VGA       | Tempered Glass   | N/A             | N/A           |
| ES-3115R-VXAE    | Open Frame | 350              | VGA       | 5 wire Resistive | RS232/USB       | N/A           |
| ES-3115C-VXAE    | Open Frame | 350              | VGA       | Capacitive       | RS232           | N/A           |
| ES-3115S-VXAE    | Open Frame | 350              | VGA       | SAW              | RS232/USB       | N/A           |
| ES-3115V-VXAE    | Open Frame | 350              | VGA       | Infrared         | RS232/USB       | N/A           |
| ES-3115V-VXA-SRE | Open Frame | 550              | VGA       | Infrared         | RS234/USB       | Yes           |

### Notes

- (1) Capacitive, SAW and Infrared touch panels are recommended for use with sunlight readable outdoor solutions.
- (2) The above list shows major part numbers for your reference. Please refer to the Advantech Display Solutions Selection Wizard (<http://www.advantech.com.tw/ePlatform/DS/dsw.aspx>) or CTOS to find part numbers and order your desired combination of LCD, touchscreen and signal interface.
- (3) Please use Display Solutions DTOS for special requirements.