

## AMB-255A series

### 15" Industrial Display Monitors



AMB-255A



AMB-255AR

#### Introduction

The AMB-255A is a rugged 15" XGA (1024 x 768) color TFT display monitor built specifically for industrial applications. It displays brilliant, crisp and flicker-free images with an equivalent screen size of 17" traditional CRT monitors. With the optional touchscreen, the AMB-255A is an excellent and user-friendly system control interface.

The AMB-255A provides all the requirements for an analog RGB interface with a 15" XGA color TFT LCD display that can be directly connected to a standard VGA port, multi-scan function display in VGA, SVGA and text-mode full screen. The monitor is equipped with an On Screen Display (OSD) controller for adjusting the LCD. The chassis is constructed with an aluminum front panel and stainless steel chassis. This combination ensures a sturdy and corrosion resistant monitor and is NEMA 4/12 & IP65 compliant.

#### Features

- 15" XGA color TFT LCD display
- Heavy-duty stainless steel chassis and aluminum alloy front panel
- Front panel is NEMA 4/12 & IP65 compliant
- OSD (On Screen Display) on the front panel for user friendly operation
- Strengthened glass protects the front panel from shock damage
- EIA RS-310C 19" rack-mount 8U height (optional)
- Analog RGB signal directly input offering multi-scan function
- RGB, Composite video AV signal selectable
- VGA cable length supports up to 20 Meters
- VESA 75mm standard screw holes
- Touchscreen (optional)

#### Specifications

- **Construction:** Heavy-duty stainless steel chassis & Aluminum alloy front panel meets NEMA4/12 & IP65
- **Front panel color:** RAL-7035 (white)
- **Mounting:** Panel mount or Rack mount 8U height or Swivel arm or Stand (optional)
- **Input signal:** RGB, Composite video
- **Control:** OSD (On Screen Display) on front panel
- **Power Supply:** External power adapter
- **Dimensions (W x H x D):**  
**AMB-255A:** 420 x 300 x 55mm (16.5" x 11.8" x 2.2" )  
**AMB-255AR:** 483 x 311.5 x 55mm (19" x 12.3" x 2.2" )
- **Carton dimensions (W x H x D):**  
**AMB-255A:** 580 x 402 x 173mm (22.8" x 15.8" x 6.8")  
**AMB-255AR:** 558 x 402 x 173mm (21.9" x 15.8" x 6.8")
- **Gross Weight:** 8.9Kg (19.6 lbs)

#### LCD Specification

| Model                          | AMB-255A series      |
|--------------------------------|----------------------|
| Display type                   | 15" color TFT LCD    |
| Max. resolution                | 1024 x 768           |
| Max. colors                    | 256K                 |
| Dot size (mm)                  | 0.313 x 0.329        |
| Luminance (cd/m <sup>2</sup> ) | 250                  |
| Viewing angle                  | 160° (H)<br>160° (V) |
| Operating temperature          | 0° ~50°C (32~122°F)  |
| OSD                            | Yes                  |
| LCD MTBF (Hrs)                 | 50,000               |
| Back Light MTBF (Hrs)          | 25,000               |

## Environmental

- **Operating temperature:** 0° to 50°C (32~122°F)
- **Storage temperature:** -20° to 60°C (-4~140°F)
- **Storage humidity:** 5 to 95%, non-condensing
- **Vibration:**  
5 to 17 Hz, 0.1" double-amplitude displacement  
17 to 500 Hz, 1.5G peak to peak
- **Shock:** 10G peak acceleration (11 msec. duration)
- **EMI:** CE / FCC Class A

## Touchscreen (optional)

**Type:** 8-wire, analog resistive

**Resolution:** 1024 x 1024

**Light transmission:** 72%

**Lifetime:** 100 million touches

**Operating pressure:** 30-45 grams for finger, 10 grams for stylus pen. Contact bounce < 10ms

**Controller:** RS-232 interface

**Power consumption:** +5V @200mA

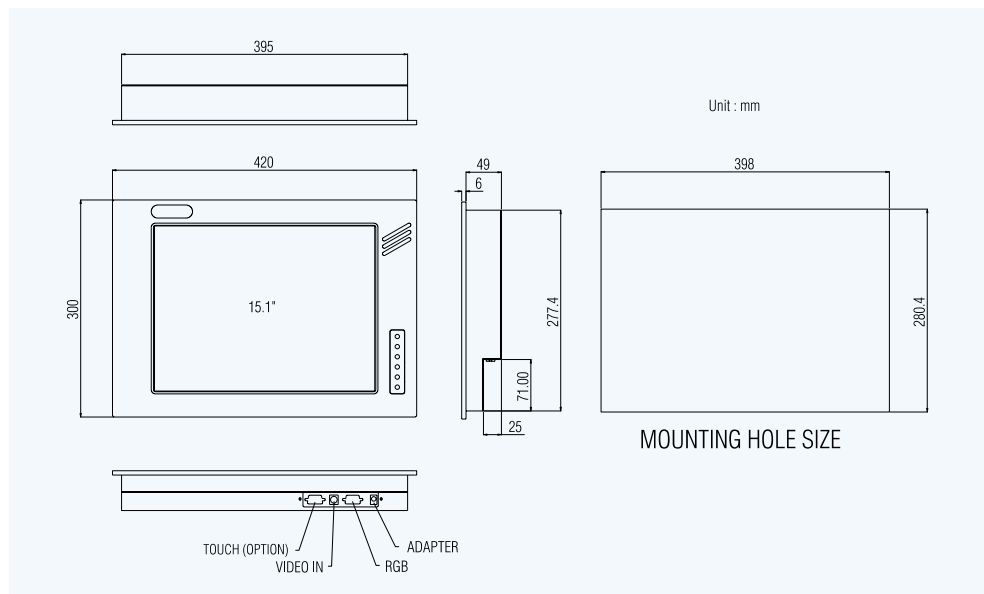
**OS support:** MS DOS, Windows 3.1, Windows 95, Windows 98, Windows NT, Windows 2000.

## Ordering Information

- **AMB-255A**  
15" TFT LCD, external power adapter and 1.2m VGA extension cable
- **AMB-255AT**  
AMB-255A+touchscreen (RS-232 interface)
- **AMB-255AR**  
15" TFT LCD, external power adapter and 1.2m VGA extension cable, with 19" rack-mount bezel
- **AMB-255ART**  
AMB-255AR + touchscreen (RS-232 interface)
- **STAND-025500**  
Desktop stand with VESA 75mm standards
- **ARM-LA0115**  
Swivel arm with VESA 75/100mm standards

## Dimension

AMB-255A



AMB-255AR

