



# **ED-MONITOR-156C**

## Datasheet

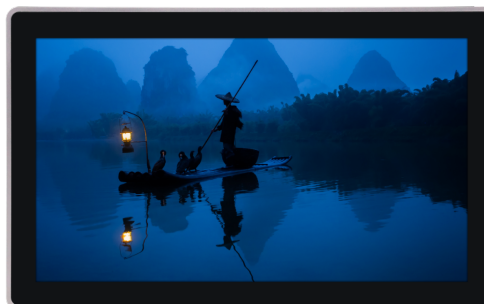
by EDA Technology Co., Ltd

built: 2025-01-15

# ED-MONITOR-156C

## 15.6-inch 1080p Industrial Touchscreen Monitor

- 15.6" TFT, 1920x1080 resolution, multi-touch capacitive touch screen
- Connect to Raspberry Pi 4 or Raspberry Pi 5
- 1 x standard HDMI for connecting to HDMI output of Raspberry Pi 4 or Raspberry Pi 5
- 1 x USB touch port (Type-C USB) for connecting to USB port of Raspberry Pi 4 or Raspberry Pi 5
- 1 stereo audio output (optional), support headphone and speaker
- 12V power input on DC Jack connector
- Support backlight adjustment via DDCUI software
- Support the official Raspberry Pi OS without driver installation
- Embedded installation, compatible with VESA standard bracket installation



## Specifications

Panel I/O	
HDMI	1 x HDMI port, type A connector, connecting to HDMI output of Raspberry Pi 4 or Raspberry Pi 5.
USB	1 x Type-C USB port, connecting to the USB port of the Raspberry Pi 4 or Raspberry Pi 5 to transmit touchscreen signals.
Audio (optional)	1 x 3.5mm audio jack, stereo audio output
Speaker (optional)	1 x PA output, built-in a 4Ω 5W speaker.
Power	1 x DC Jack port, support 12V power input.

Buttons and Indicators	
PWR	1 x Red power indicator, using to check the status of device power-on and power-off.
Brightness Adjustment Button	2 x Brightness adjustment buttons for increasing and decreasing the brightness.
Volume Adjustment Button	2 x Volume adjustment buttons for increasing and decreasing the volume.
Mute Button	1 x Mute button for mute and unmute audio.

LCD	
Type	15.6" TFT

LCD	
Resolution	1920 x 1080
Color Number	16.7M
Active Area	344.16mm (H) x 193.59mm (V)
Backlight	LED
Luminance	210cd/m <sup>2</sup>
Contrast Ratio	1500:1
Response Time	25ms
Viewing Angle (CR≥10)	85° (L) / 85° (R) / 85° (U) / 85° (D)

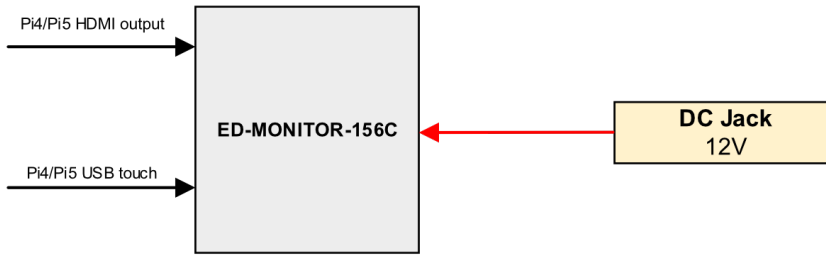
Touch Screen	
Type	Capacitive Touch Screen
multi-touch	Up to 10 points
Communication Method	USB
Transmittance	≥85%
Surface Hardness	≥6H

Electrical Characteristics	
Input Voltage	12V DC (±10%)
Power Consumption	15W (Max)

Mechanical Characteristics	
Dimensions	388.4mm x 238.4mm x 46.5mm (WxDxH)
Weight	About 2.3kg
Installation	Embedded front installation and VESA bracket mounting

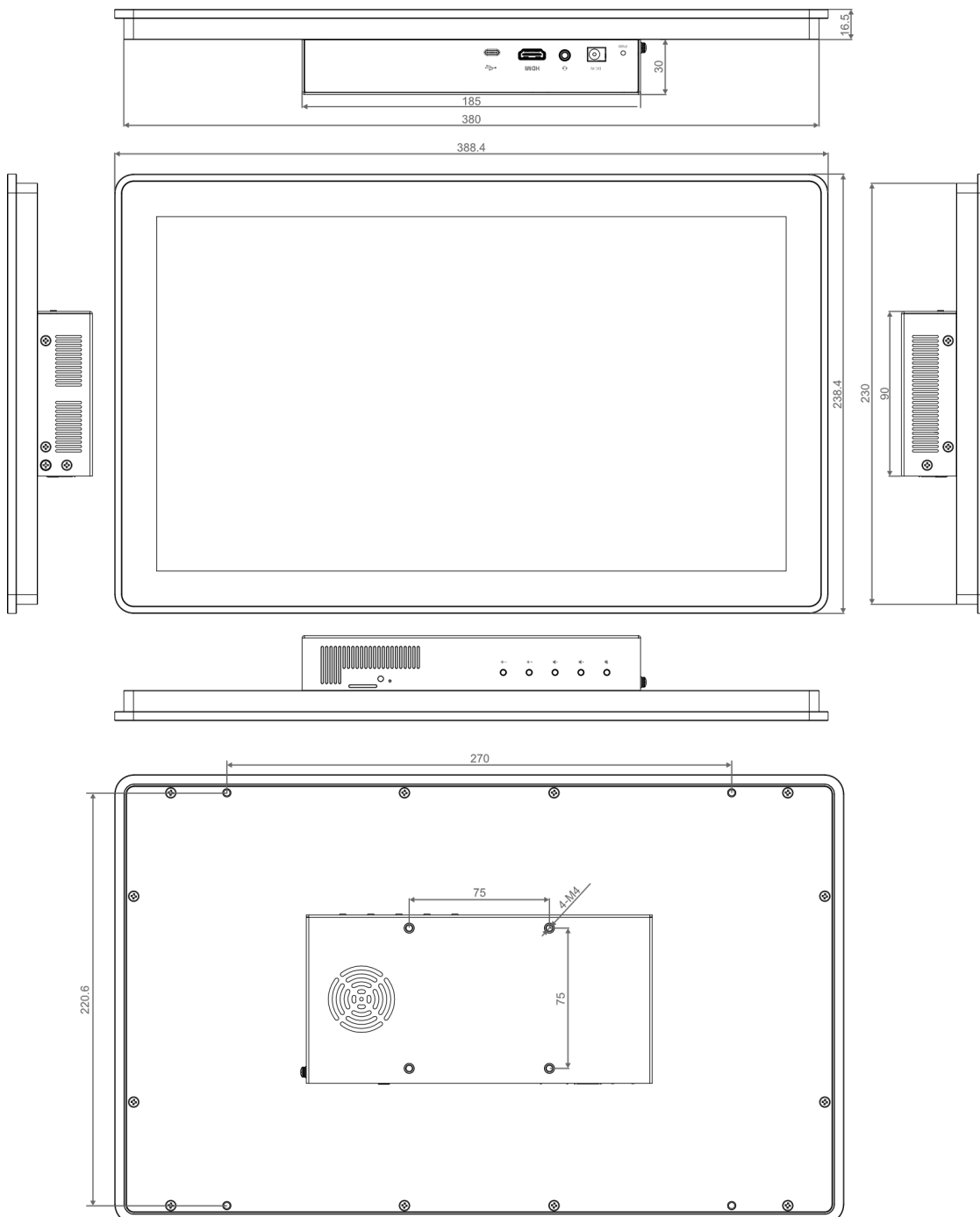
Environmental & Regulatory	
Operating Temperature	0°C ~ 50°C
Storage Temperature	-20°C ~ 60°C
Ambient humidity	5% ~ 95% (non-condensing)

## System Diagram

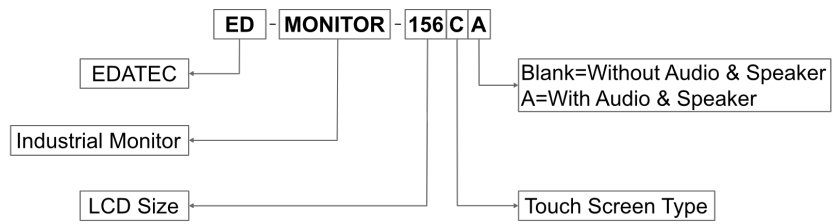


## Dimensions

Unit: mm



## Ordering Code



### Example

P/N: **ED-MONITOR-156CA**

Configuration: 15.6-inch 1080p Industrial Touchscreen Monitor with audio and speaker.

## Packing List

- 1 x ED-MONITOR-156C Monitor
- 1 x Mounting Kit (including 4 x buckles, 4xM4\*10 screws and 4xM4\*16 screws)