# User Manual  Rack Mount Display Monitor - 4K

## RMB-17W- 4K

### 7U 17.3 inch Rack Mount Display Monitor

Options :
- DC 9~36V power input
- Touchscreen
- AR hardness glass

FC  CE  RoHS  REACH

# Contents

## Before Installation

■ It is very important to mount the equipment in a suitable cabinet or on a stable surface.

■ Make sure the place has a good ventilation, is out of direct sunlight, away from sources of excessive dust, dirt, heat, water, moisture and vibration.

## Unpacking

The equipment comes with the standard parts shown in package content. Check and make sure they are included and in good condition. If anything is missing, or damaged, contact the supplier immediately.

## How To Clean Your LCD Monitor

## ⚠ Caution :

■ To avoid the risk of electric shock, make sure your hands are dry before unplugging your monitor from or plugging your monitor into an electrical outlet.

■ When you clean your monitor, do not press down on the LCD screen. Pressing down on the screen can scratch or damage your display. Pressure damage is not covered under warranty.

■ Use only cleansers made specifically for cleaning monitors and monitor screens. Cleansers not made to clean monitors and monitor screens can scratch the LCD display or strip off the finish.

■ Do not spray any kind of liquid directly onto the screen or case of your monitor. Spraying liquids directly onto the screen or case can cause damage which is not covered under warranty.

■ Do not use paper towels or abrasive pads to clean your monitor. Using an abrasive pad or any wood based paper product such as paper towels can scratch your LCD screen.

## Cleaning Your Monitor

To clean your LCD safely, please follow these steps :

① Disconnect the power cord.

② Gently wipe the surface using a clean, dry microfiber cloth. Use as little pressure as possible.

## Cleaning Tough Marks and Smudges

To remove tough marks and smudges, please follow these steps :

① Disconnect the power cord.

② Spray a small amount of non-abrasive cleanser on a microfiber cloth.

⚠ **Caution : Do not spray or apply any liquids directly onto the monitor. Always apply the solution to your microfiber cloth first, not directly on the parts you are cleaning.**

③ Gently wipe the surface. Use as little pressure as possible.

④ Wait until your monitor is completely dry before plugging it in and powering it up.
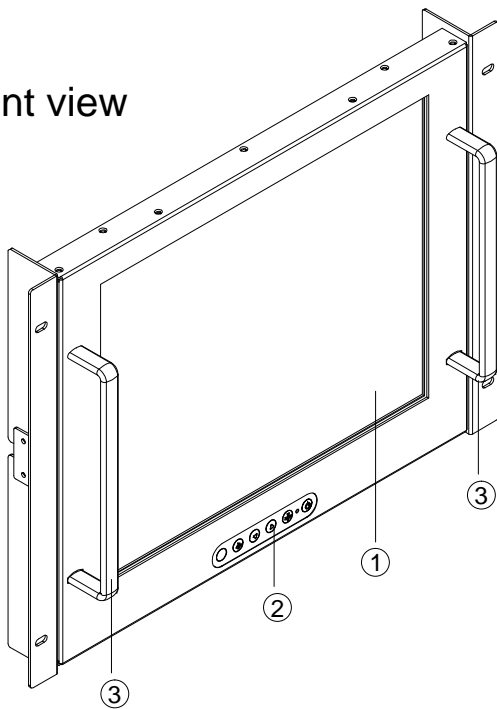
# < Part 1 >
## < 1.1 > Package Content



**Rack mount monitor unit  X 1**
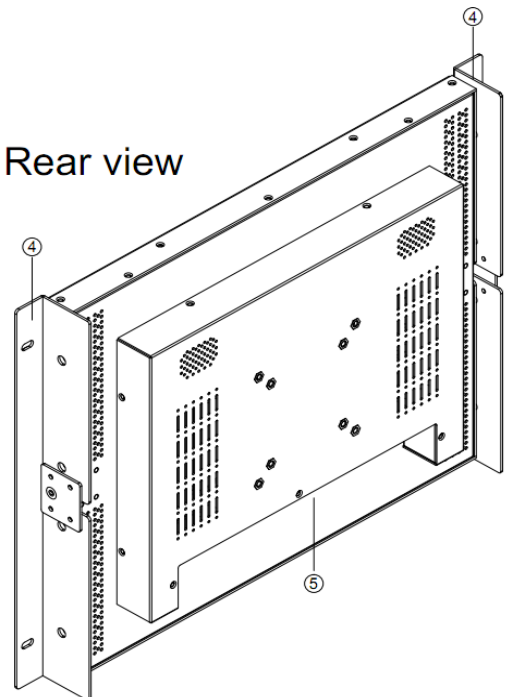
- 1.8 M Display port cable  X 1
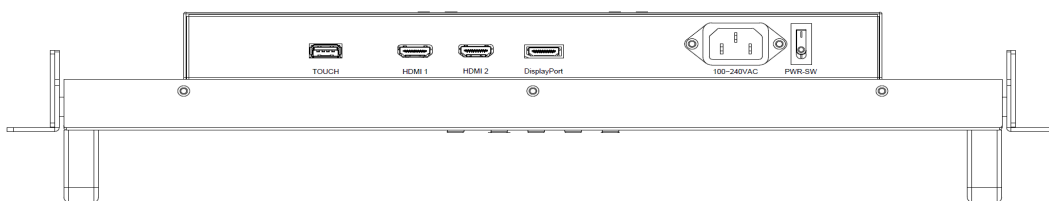- 1.8 M HDMI cable  X 1
- Power cord  X 1

## < 1.2 > Structure Diagram

Front view



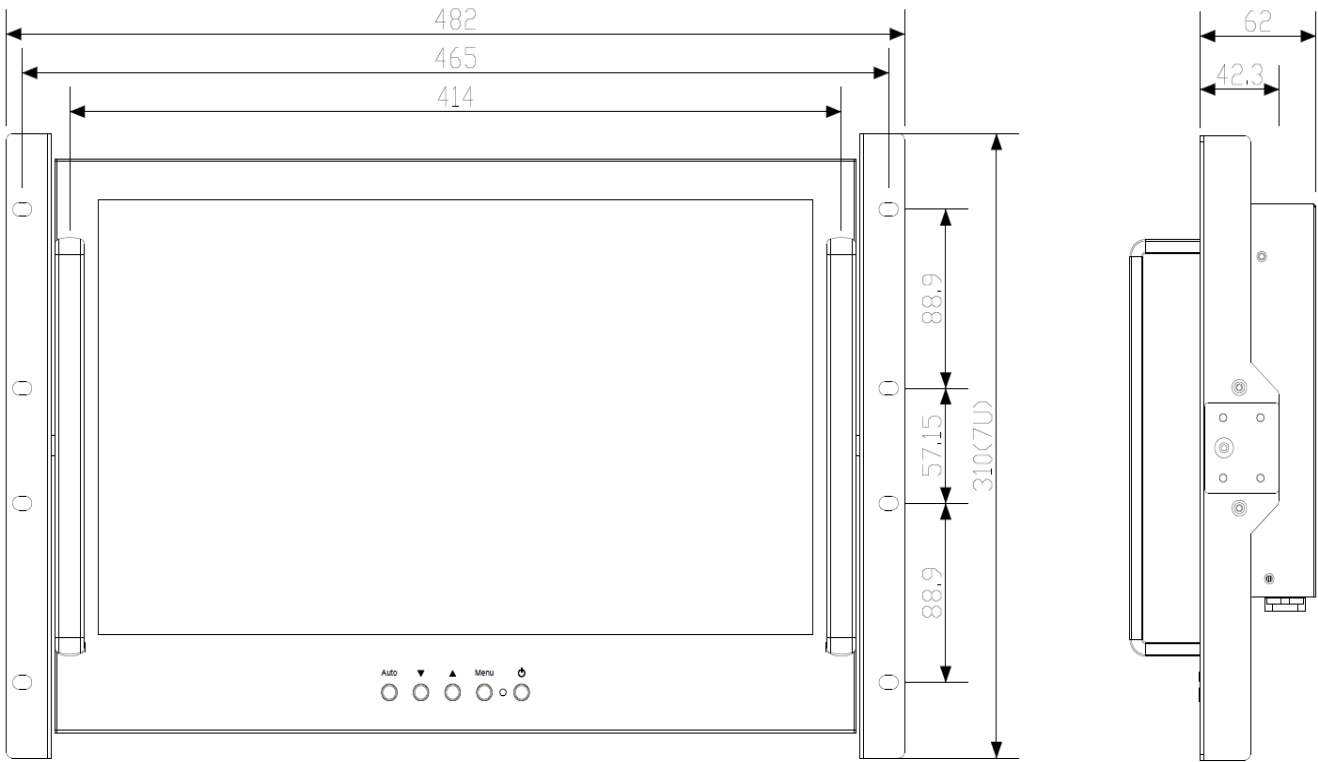Rear view

① LCD PANEL
② LCD OSD
③ Handle
④ Mounting bracket
⑤ I/O bracket



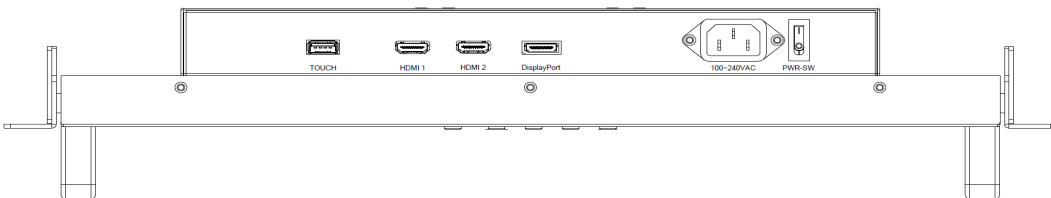TOUCH   HDMI 1   HDMI 2   DisplayPort   100~240VAC   PWR-SW

Basic I/O  :  HDMI +  Display port
Options    :  Touchscreen & DC power

## < 1.2 > Dimension
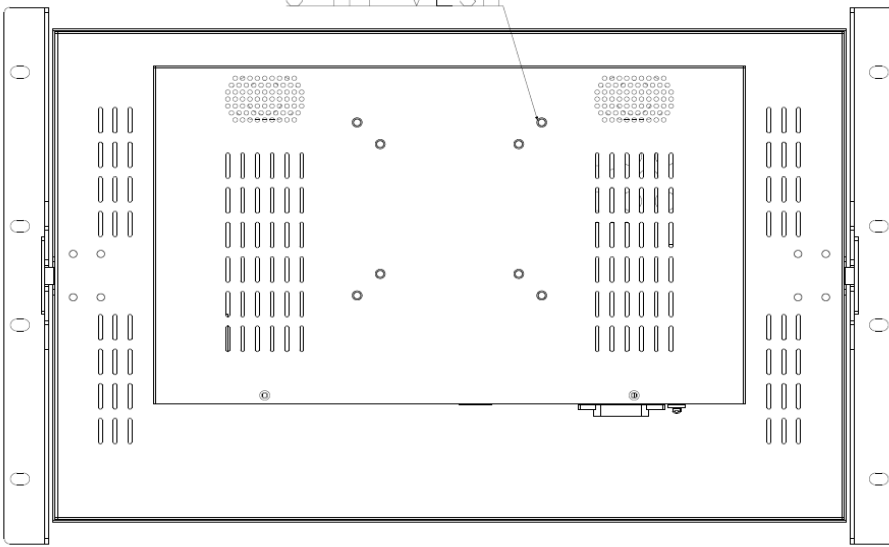


| Model | Product Dimension (W x D x H) | Packing Dimension (W x D x H) | Net Weight | Gross Weight |
|---|---|---|---|---|
| **RMB-17W-4K** | 482 x 62  x 310 mm | 620 x 210 x 400 mm | 7 kg | 9 kg |

# < 1.3 > Rack Mounting Installation
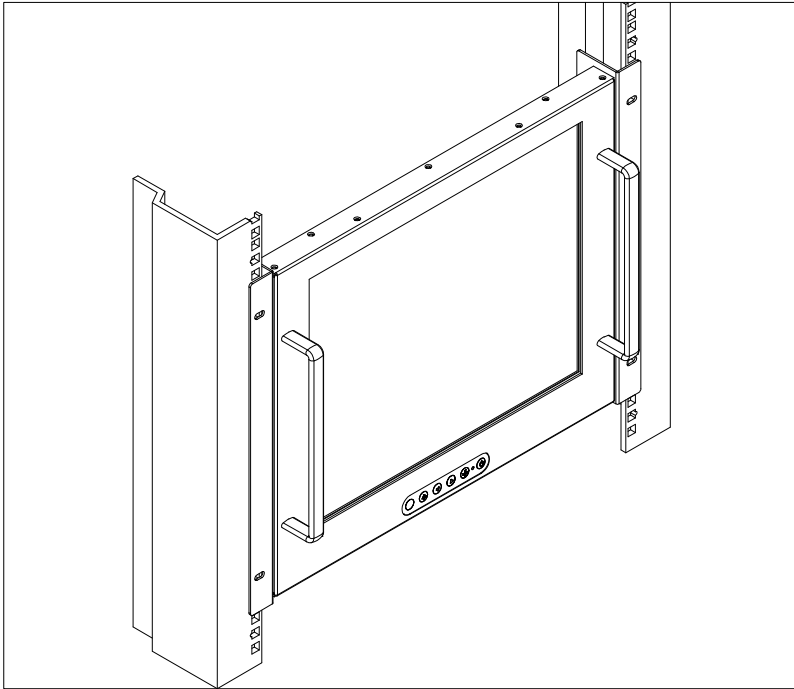


### Step ①

Mount the RMB-17W-4K display panel with M6 screw set
4 x M6 screw set are required

M6 screw sets are not provided.



### Step ②

90° tilt adjustment while mounted in rack: +45°~-45°

## < Part 2 >

## < 2.1 > Product Specifications

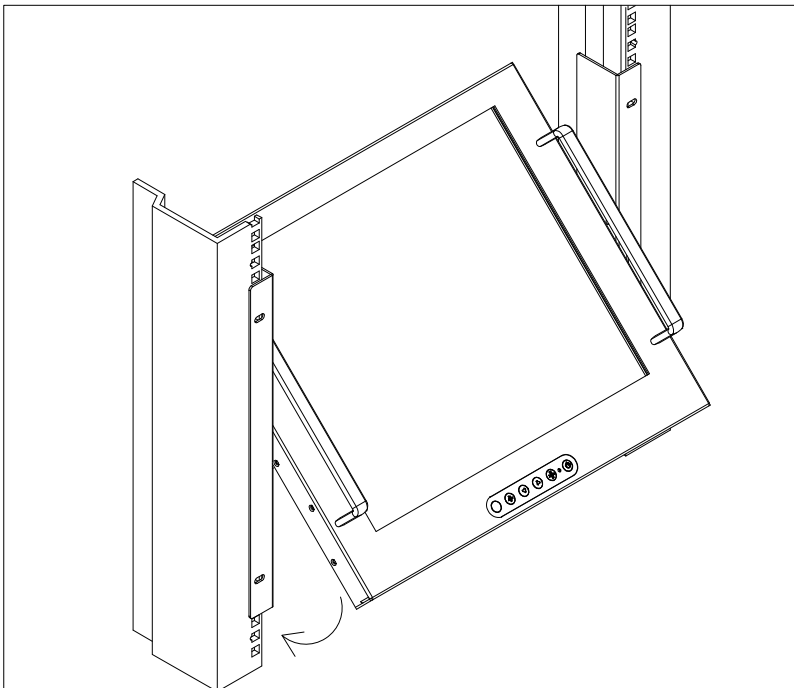| LCD Panel | Manufacturer | AUO |
|---|---|---|
| | Panel Size ( diagonal ) | 17.3 inch widescreen |
| | Display pixel ( dots x lines ) | 3840 x 2160 / 1920 x 1200 / 1920 x 1080 |
| | Brightness ( typ. ) | 400 |
| | Contrast Ratio ( typ.) | 1000:1 |
| | Color | 16.7M |
| | Viewing Angle ( H/V ) | 178/178 |
| | Response Time ( ms ) | 16 |
| | Dot pitch ( mm ) | 0.0995(H) x 0.0995(V) |
| | Backlight Type | LED |

| Video | Digital | Display port | DP 1.4　 / HDCP 2.2 |
|---|---|---|---|
| | | HDMI | HDMI 2.0 / HDCP 2.2 |

| Power | Power Supply | Range | Auto-sensing 100 to 240VAC, 50 / 60Hz |
|---|---|---|---|

| Regulatory | Safety | FCC & Certified |
|---|---|---|
| | Environmental | RoHS2 & REACH compliant |

| Environmental Conditions | Operating | Temperature | 0 to 50°C degree |
|---|---|---|---|
| | | Humidity | 5~95%, non-condensing |
| | | Altitude | 16,000 ft |
| | Storage / Non-operating | Temperature | -20 to 60°C degree |
| | | Humidity | 5~90%, non-condensing |
| | | Altitude | 40,000 ft |
| | | Shock | 15G acceleration (11ms duration) |
| | | Vibration | 5~500Hz 1G RMS random |

| Physical Specification | Product ( W x D x H ) | 482 x 62  x 310 mm |
|---|---|---|
| | Packing ( W x D x H ) | 620 x 210 x 400 mm |
| | Net Weight | 7 kg |
| | Gross Weight | 9 kg |

| Applicable Format | Display Port Input | PC Signal | 3840 x 2160 x 60Hz |
|---|---|---|---|
| | | | 1920 x 1080 x 60Hz |
| | | | 1600 x 1200 x 60Hz |
| | | | 1360 x 768 x 60Hz |
| | | | 1280 x 1024 x 60 / 75Hz |
| | | | 1280 x 768 x 60Hz |
| | | | 1024 x 768 x 60 / 70 / 75Hz |
| | | | 800 x 600 x 60 / 72 / 75Hz |
| | | | 720 x 400 x 70Hz |
| | | | 640 x 480 x 60 / 72 / 75Hz |
| | | Audio Signal | 2ch Linear PCM |
| | HDMI Input | HDMI 2.0 | 3840 x 2160 x 60Hz |
| | | HDMI 2.0 / 1.4 | 3840 x 2160 x 30Hz |
| | | | 1920 x 1080 x 50 / 60Hz ( 1080p ) |
| | | | 1920 x 1080 x 25 / 30Hz ( 1080i ) |
| | | | 1280 x 720 x 50 / 60Hz ( 720p ) |
| | | | 720 x 480 x 50 / 60Hz ( 576p / 480p ) |
| | | Audio Signal | 2ch Linear PCM |

# < 2.2 > On-screen Display Operation ( OSD )

**OSD Control buttons**

LCD OSD can establish and setup LCD display. Setup instructions of four buttons are as follows:

| Button | Functions |
|---|---|
| POWER | Turn on or off the LCD Display |
| Menu/Enter | Activate OSD menu, select a menu and press MENU key to confirm the selection and enter the submenu. |
| ▲ | Press this key to increase setting or scroll up the menu bar |
| ▼ | Press this key to Decrease setting or scroll down the menu bar |
| Source | Video input selection |

## < Part 3 >
## < 3.1 > Options : Touchscreen

### USB Touchscreen Specification

| Model | TRB    e-Resistive | TCB    e-Capacitive |
|---|---|---|
| Technology | 5-Wire Resistive | Capacitive |
| Touch Point | Single | Single |
| Method | Stylus or Finger | Finger |
| Activation Force | ≤ 50g / Stylus=R0.8 | ≤ 50g |
| Durability | 10 million touches | 300 million touches |
| Response Time | 15 ms | 20 ms |
| Optical Transmittance | 80% ± 3% | 87% ±2% |
| Surface Hardness | 3H | 9H |
| Haze | 8% ± 3% | 7% |
| Glass | 3.2 ±0.2 mm | 2.8 mm ±10% |
| Connector | USB Type A | |
| Compatibility | Windows 7 / XP / Vista, Linux | |

- USB touchscreen package includes 2 x 1.8 M USB cable, quick reference guideline and CD disc
- For detailed information, please refer to the attached CD disc
- As the touchscreen unit is not made of toughened glass, please handle it carefully