

OPERATING INSTRUCTIONS

MODEL : TLM-0801

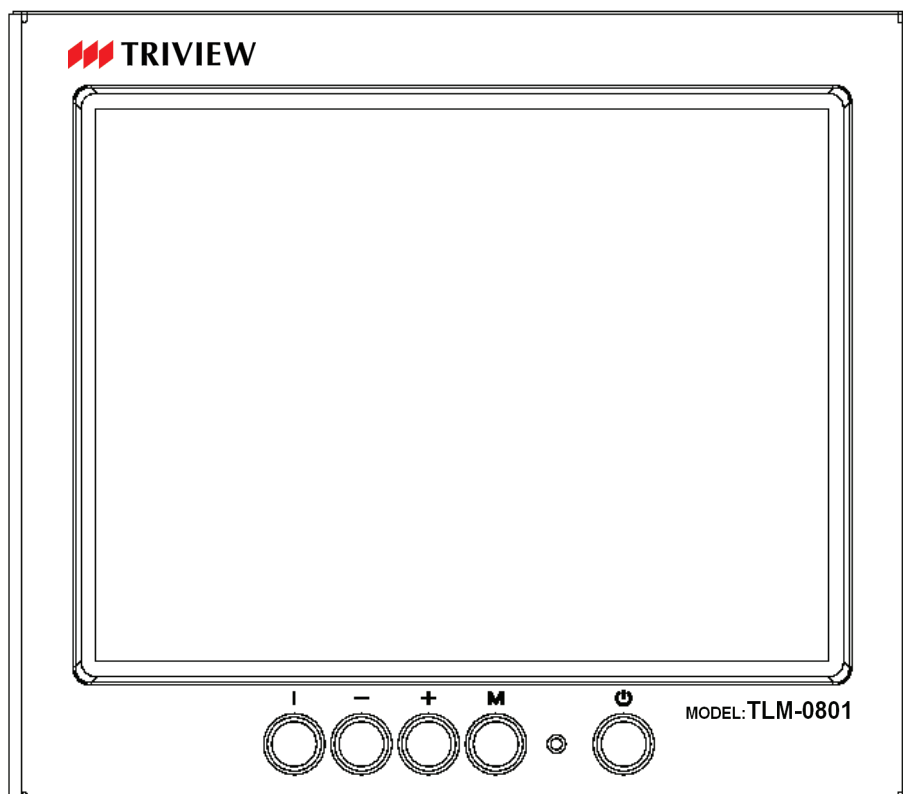


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FCC INFORMATION

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

Shielded interface cables and A.C. power cord, if any, must be used in order to comply with emission limits.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CE INFORMATION

The product must be installed according to the currently valid installation regulations for EMC to guarantee the designed use and to prevent EMC problems.

The device supplied with this manual is according to the EC, EMC Directive, 2004/108/EC & LVD 2006/95/EC

SAFETY PRECAUTIONS

1. Do not modify the three-prong grounding type monitor power plug in any way.
2. Operate this unit only from the type of power source indicated on the label.
3. Do not block or cover ventilation openings on the back or bottom of the monitor cabinet.
4. Do not place this monitor near a radiator or heating vent.
5. Do not push objects of any kind through cabinet openings. This may result in fire or electrical shock.
6. Before adding attachments always ask a service technician to perform routine safety tests to determine that equipment is in safe operating condition. Ground potential tests should be part of the routine safety check made by the service technician.
7. Do not place monitor on an unstable cart, stand, or shelf where it may fall and injure personnel or damage equipment.



8. Route power cords so that they cannot be walked upon or tripped over. Do not allow anything to rest on the power cord.
9. Do not install monitor in wet areas, or where it may be exposed to rain or water. Do not spill liquid of any kind on the unit.
10. Unplug the power cord from the unit before cleaning the display. Use only a damp cloth. Do not use alcohol, spirits, or ammonia to clean the display. **DO NOT ATTEMPT TO CLEAN THE INTERIOR OF THIS UNIT- THIS ACTION MUST BE PERFORMED BY THE SERVICE TECHNICIAN AS REQUIRED DURING NORMAL MAINTENANCE.**
11. Refer all servicing to qualified service personnel. **REMOVAL OF BACK COVER BY UNAUTHORIZED PERSONNEL MAY EXPOSE THE USER TO DANGEROUS VOLTAGES OR OTHER HAZARDS.**
12. Unplug the unit immediately and notify the service technician.
 - A. If liquid has been spilled into the display or the display has been exposed to rain or water.
 - B. If the unit has been dropped or the cabinet damaged.
 - C. If fuses continue to blow.
 - D. If the power cord is damaged or frayed.
 - E. If a distinct change from normal operation is apparent.

When replacement parts are required, be sure that the service technician uses components specified by the manufacturer which have the same characteristics as the original parts. **UNAUTHORIZED SUBSTITUTIONS MAY RESULT IN FIRE, ELECTRICAL SHOCK OR OTHER HAZARDS.**

Upon completion of any service or repairs, ask the technician to perform safety checks to determine that the equipment is in safe operating condition.

WARNING: SERIOUS SHOCK HAZARDS EXIST WITHIN THE COVERS OF THIS MONITOR. DO NOT OPEN THE COVERS UNDER ANY CIRCUMSTANCES, THERE ARE NO USER SERVICEABLE COMPONENTS INSIDE

1. Scope

This specification is used to define the performance of TLM-0801 color TFT LCD monitor. This system supports both video input and PC VGA input. In video input mode, the system can automatically detect the NTSC signal and PAL signal. In PC mode, this system can support up to 800x 600 SVGA standards.

This system provides line buffer adaptive 2-D comb filter, 2-D sharpening to implement the high quality video pictures. The user friendly OSD menu is also provided to make this system easy to operate.

2. Functional Specifications

2.1 Power Supply

The Power Adapter spec is listed below,

- AC power input 100 - 240V 60/50 Hz 1.2 Arms max.
- DC power output 12V 3.33 Arms max
- Power efficiency: $\geq 85\%$.

Unit power supply input.

- DC power input 12V 0.58 Arms max.
- Power consumption: 7W max.

2.2 Video Characteristics

Composite Video (CVBS): 1.0 Vp-p (0.5 – 1.5Vpp), Automatic switching from 75 Ω unbalanced termination to Hi-Z with passive loop-through operation.

Y/C (S-video): 1.0 Vp-p (0.5 – 1.5Vpp), Automatic switching from 75 Ω unbalanced termination to Hi-Z.

2.3 VGA Input

Analog RGB: 0.707 Vrms.

VGA Timing Modes

640 x 350	85Hz
640 x 400	85Hz
640 x 480	60/72/75Hz
720 x 400	70/85Hz
800 x 600	56/60/72/75Hz

2.4 Audio Input

Signal Level: 1.0 Vrms

2.5 Controls: Front Panel: Push Buttons

i : Channel select CVBS1, CVBS2, S-VIDEO and VGA.

-/+ : Scrolling the cursor or adjust the value

M : Select On-Screen Display (OSD)

⏻ : Switch power On/Off

2.6 Environmental

● Temperature:

Operating: 0⁰C to +40⁰C

Storage: -20⁰C to +60⁰C

● Humidity:

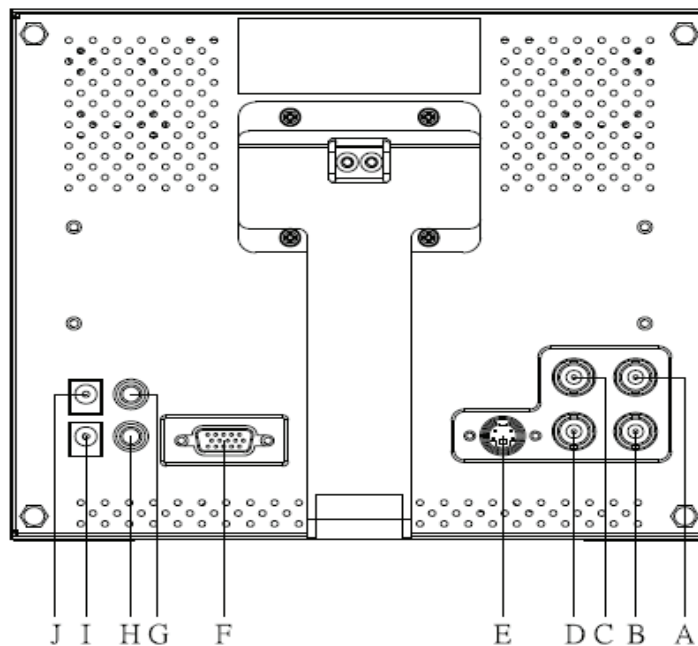
Operating: 10% to 85% (non-condensing)

Storage: 10% to + 95% (non-condensing)

2.7 EDID

This series of displays support EDID, but does not support DDC2B function.

2.8 Connectors



VIDEO:

- A** VIDEO 1: BNC input.
- B** VIDEO 1: BNC loop-through output.
- C** VIDEO 2: BNC input.
- D** VIDEO 2: BNC loop-through output.
- E** S-VIDEO (Y/C): Mini-Din 4-pin, Input.

PC:

- F** VGA: D-SUB 15 Pins Input connector.

AUDIO:

- G** AUDIO: RCA jack input.
- H** AUDIO: RCA jack loop-through output.

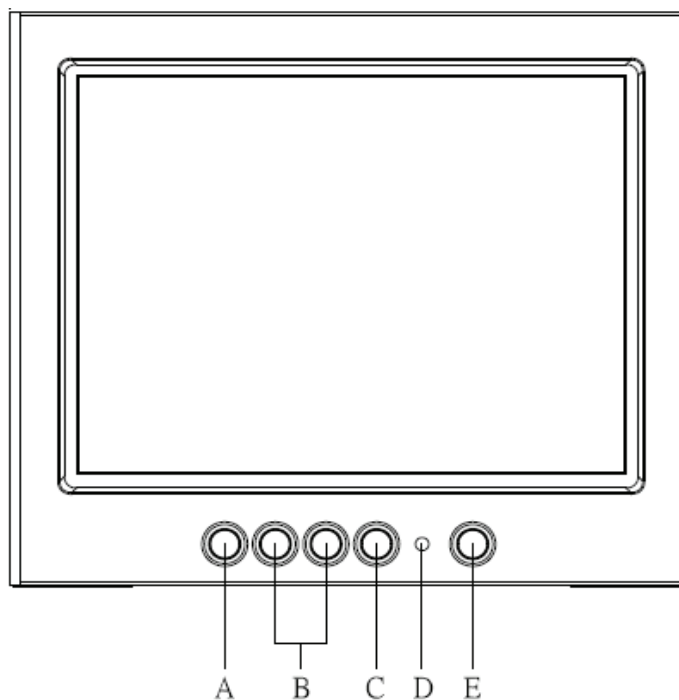
POWER:

- I** DC JACK: DC12V 1A (MAX.) output 2.5 Ø
- J** DC JACK: DC12V input, 2.5 Ø

Set up sequence:

1. Make sure the PC and Video source power are turned off.
 2. Plug the power adapter, VGA and video signal cable to monitor.
 3. Turn on the PC and Video source power.
 4. Plug the AC power cord onto power adapter
- [Use reverse sequence to turn-off the monitor]

3. Controls and indicators



A. “i” Channel button

- Press the button to select input signal.

B. “-“ / “+” buttons

- Press the buttons to scrolling the cursor to desired function.
- Press the buttons to adjust the value of the selected function in sub OSD menu.

C. “M” Menu button

- Press the button to show the main OSD menu.
- As a confirmation key during the OSD operation.

D. POWER LED Indication

- Green - Power on
- Amber - Power off (Stand by)
- Amber flash - Sleep mode (PC mode only)

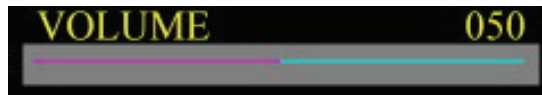
E. POWER button

- Press the button to turn on or turn off the monitor

4. OSD Menu

Hot Key :

VOLUME : Press **-** button to pop up the volume function , and then press **-** or **+** button to adjust the volume value ; press **MENU** button to exit OSD menu.



MUTE : When mute function on , press **-** button to pop up mute OSD ; OSD menu will go off in 2 sec.



KEY LOCK : Press and hold **MENU** buttons for 10 sec. to lock all key.



KEY UNLOCK : Press and hold **MENU** buttons for 10 sec to unlock all key.



Prompt :

NO SIGNAL : Under VGA mode , the “NO SIGNAL” prompt will shows in 2 sec. once cable unplug or signal loss such as PC get into standby mode



, then shows “GOING TO SLEEP” in 2 sec.



NON SUPPORT TIMING : Under VGA mode , the “NON SUPPORT TIMING” prompt will shows on screen in 1 sec. during the input signal out of monitor's display capability.



Menu and functions :

BRIGHTNESS , CONTRAST , DISPLAY ADJUST , COLOR TEMPERATURE ,
LANGUAGE , OSD ADJUST , ASPECT RATIO , AUDIO CONTROL , INPUT SELECT ,
RESET , EXIT.

MAIN MENU :

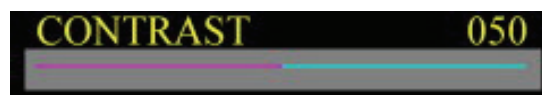


Press **-** or **+** button to scrolling cursor up and down , then press **MENU** button to enter the desired function.

BRIGHTNESS : Press **-** or **+** button to adjust the brightness value , then press **MENU** button to return to the **MAIN MENU**.



CONTRAST : Press **-** or **+** button to adjust the contrast value , then press **MENU** button to return to the **MAIN MENU**.



DISPLAY ADJUST :



Press **-** or **+** button to scrolling cursor up and down , then press **MENU** button to enter the desired function.

COLOR : Press **-** or **+** button to adjust the color value , then press **MENU** button to return to the **MAIN MENU**.



TINT : Press **-** or **+** button to adjust the tint value , then press **MENU** button to return to the **MAIN MENU**.



Note : The TINT adjustment is not available for PAL video system.

SHARPNESS : Press **-** or **+** button to adjust the sharpness value , then press **MENU** button to return to the **MAIN MENU**.



H. POSITION : Press **-** or **+** button to adjust the image horizontal position value , then press **MENU** button to return to the **MAIN MENU**.



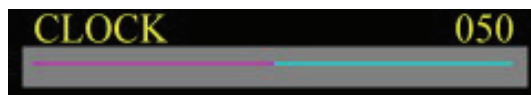
V. POSITION: Press **-** or **+** button to adjust the image vertical position value , then press **MENU** button to return to the **MAIN MENU**.



PHASE : Press **-** or **+** button to adjust the phase value , then press **MENU** button to return to the **MAIN MENU**.



CLOCK : Press **-** or **+** button to adjust the clock value , then press **MENU** button to return to the **MAIN MENU**.



AUTO ADJUST : In VGA mode, this function can automatically adjust image horizontal position, vertical position , phase and clock value , press **MENU** button to return to the **MAIN MENU**.



RESET : Press **MENU** button to reset the color , tint , sharpness value.

EXIT : Press **MENU** button to return to the **MAIN MENU**.

COLOR TEMPERATURE : Set the color temperature of the LCD monitor for the CIE coordinate 9300K or 6500K or USER PRESET.

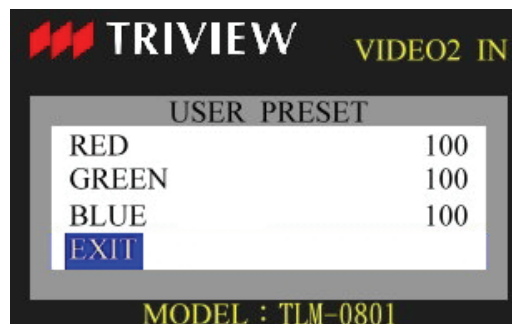


Press **-** or **+** button to scrolling cursor up and down , then press **MENU** button to enter the desired function.

9300K : Press **MENU** button to select this color temperature.

6500K : Press **MENU** button to select this color temperature.

USER PRESET : Press **MENU** button to enter the “USER PRESET” sub menu.



Press **-** or **+** button to scrolling cursor up and down , then press **MENU** button to enable value change.

RED : Press **MENU** button to enable RED color adjustment , then press **-** or **+** to adjust the red value



› then press **MENU** button to disable RED color adjustment.



Perform the same procedures for GREEN and BLUE color adjustment.

EXIT : Press **MENU** button to return to the **COLOR TEMPERATURE** menu.

RESET : Press **MENU** button to reset the red and green and blue value of user preset and color temperature return to 6500K.

EXIT : Press **MENU** button to return to the **MAIN MENU**.

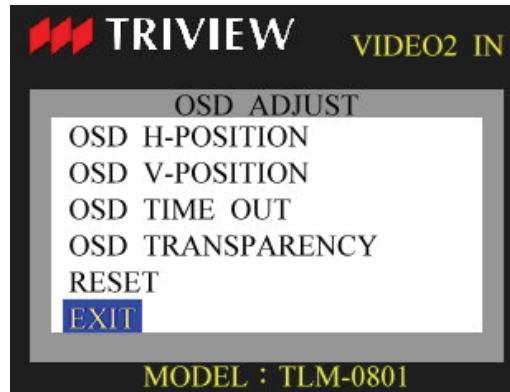
LANGUAGE :



Press **-** or **+** button to scrolling cursor up and down and press **MENU** button to select the language.

EXIT : Press **MENU** button to return to the **MAIN MENU**.

OSD ADJUST :



Press **-** or **+** button to scrolling cursor up and down , then press **MENU** button to enter the desired function.

OSD H-POSITION : Press **-** or **+** button to adjust the OSD horizontal position value , then press **MENU** button to return to the **OSD ADJUST** menu.



OSD V-POSITION : Press **-** or **+** button to adjust the OSD vertical position value , then press **MENU** button to return to the **OSD ADJUST** menu.



OSD TIME OUT : Press **-** or **+** button to adjust the OSD time out value , then press **MENU** button to return to the **OSD ADJUST** menu.



OSD TRANSPARENCY : Press **-** or **+** button to adjust the OSD transparency value , then press **MENU** button to return to the **OSD ADJUST** menu.



RESET : Press **MENU** button to reset the OSD H-position , OSD V-position , OSD time out and OSD transparency value.

EXIT : Press **MENU** button to return to the **MAIN MENU**.

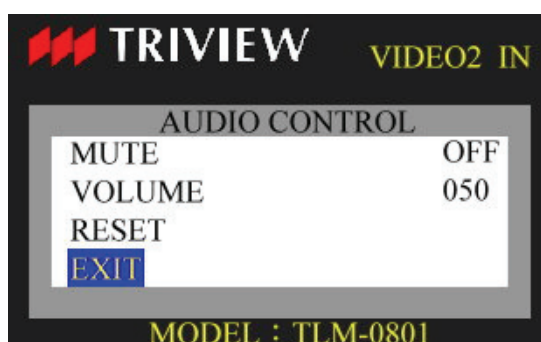
ASPECT RATIO :



Press **-** or **+** button to scrolling cursor up and down then press **MENU** button to select the desired aspect ratio.

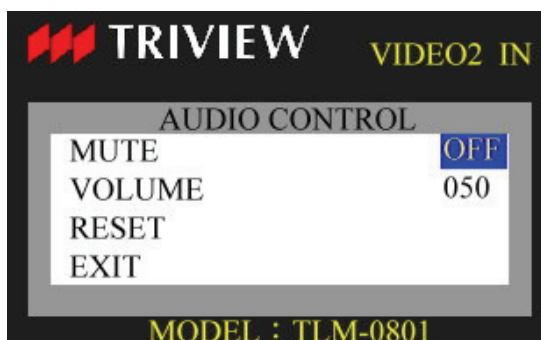
EXIT : Press **MENU** button to return to the **MAIN MENU**.

AUDIO CONTROL :



Press **-** or **+** button to scrolling cursor up and down , then press **MENU** button to enable value change.

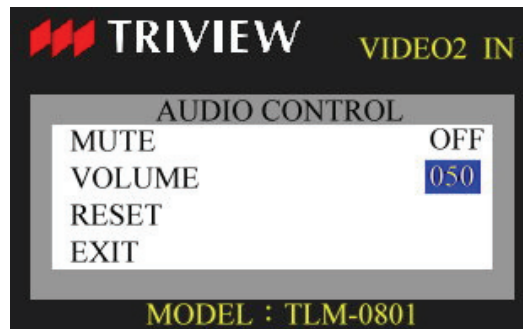
MUTE : Press **MENU** button to enable the MUTE function setting , then press **-** or **+** to switching the MUTE status between ON and OFF.



› then press **MENU** button to disable the MUTE function setting.



VOLUME : Press **MENU** button to enable the VOLUME adjustment , then press **-** or **+** to adjust the volume value



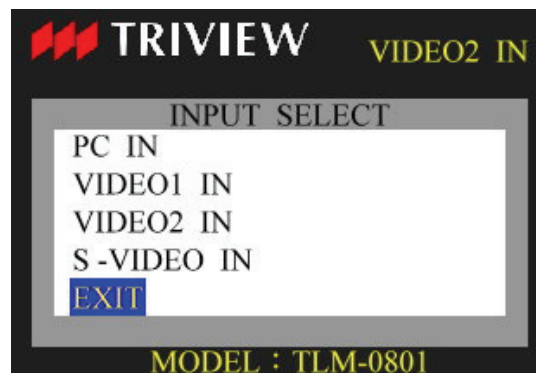
• then press **MENU** button to disable the VOLUME adjustment.



RESET : Press **MENU** button to reset the mute function and volume value.

EXIT : Press **MENU** button to return to the **MAIN MENU**.

INPUT SELECT :



Press **-** or **+** button to scrolling cursor up and down and then press **MENU** button to select the input signal channel.

EXIT : Press **MENU** button to return to the **MAIN MENU**.

RESET : Press **MENU** button to reset all of adjustment to default value except language , aspect ratio , audio control , display adjust and color temperature.

EXIT : Press **MENU** button to exit OSD menu.



5. Regulatory Agency

5.1 Safety Approvals

This series design shall meet the standards of the following domestic and foreign agencies:

CE LVD : EN60950: 2006 + All : 2009

5.2 EMI/EMS Emission Approvals

This series design shall meet following EMI/EMS specifications:

FCC Compliance: FCC Rules and Regulations, Part 15, subpart B, Class B.

CE COMPLIANCE: EN55022:2006 class B, EN55024:2003, EN50130-4:2003

6. Reliability

Mean Time Between Failures (MTBF):

MTBF shall be 30,000 hours minimum at 90% confidence level and 100% duty cycle continuous operation at 25⁰C. The calculation shall not include LCD panel.

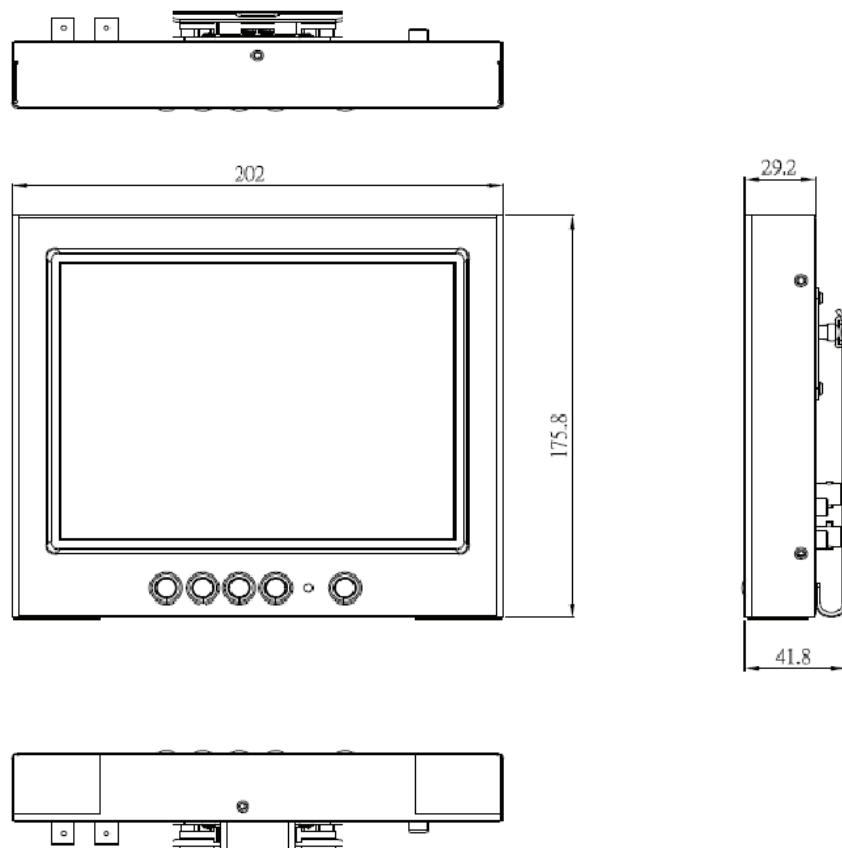
7. Mechanical

7.1 Cabinet

Material: Metal.

Finish: Black.

7.2 Dimensions:



Physical Dimension: 202 (W) x 175.8(H) x 29.2 (D) mm.

Packing Dimension: 276 (W) x 260 (H) x 171 (D) mm.

Net Weight: 1.17KG.

Gross/Shipping Weight: 2.18KG.

Packing material: Carton and EPE.

8. Optional Rack mount Kit

The optional dual rack mount kit (TRK-0801) is available for separate order.

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3121-1128G02

