

# Industrial High Brightness Open Frame LCD



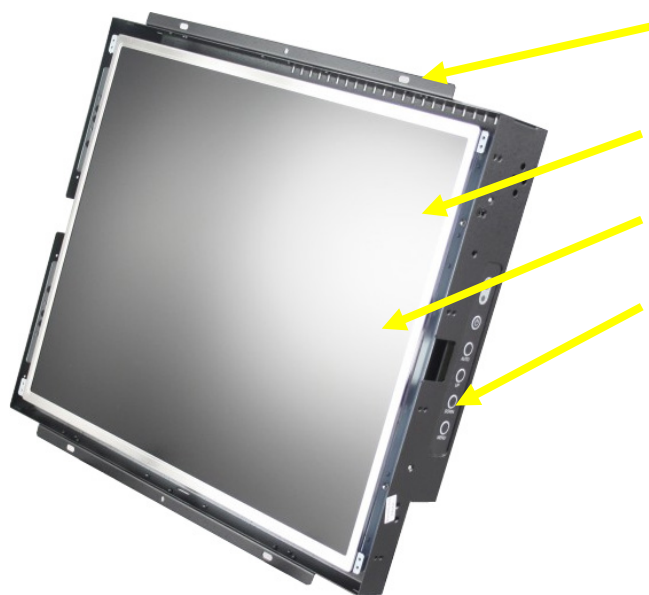
High Brightness Open frame, 21.5" LCD monitor, 1920 x 1080, 2000 nits, 1000:1 with VGA, DVI, HDMI, 100~240V AC-in, Operating temp -10 to 50C, Light sensor: one grade (100% to 30%), with 50cm sensor cable

**MODEL: GOPW2150HB**

## OVERVIEW

GOP Series is a Open Frame monitor designed for commercial and industrial applications at outdoors and indoors. Such as kiosks, digital signage, military, security, industrial equipment and instrumentation equipment. This product can provide high brightness / contrast to achieve better viewing effect and good reliability at wide environments conditions.

## FEATURES HIGHLIGHTS:

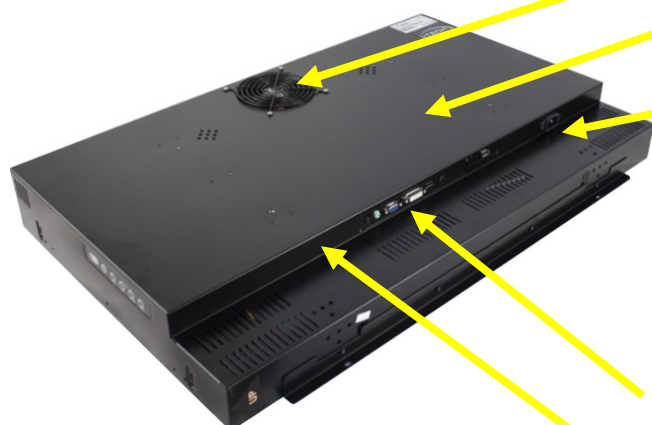


Easy to Mount Open Frame, metal chassis (top & bottom flanges flanges)

Optional for Resistive/ Capacitive/ SAW/ IR/ Projective Capacitive Touch screen

Auto Video Signal ON / OFF  
Auto Always Power On

Side OSD buttons can prevent unnecessary setting changes.



Ultra low speed/Noise fan for extra cooling (24" LCD or above)

VESA Mounting Hole Pattern

Reliable built-in Power supply for 15" or above (Optional for 9-36V DC input)



Standard VGA Input (Optional for DVI, HDMI, AV, BNC, AV looping and SDI)

Optional for RS232 Remote Control Protocol: Command Code to set system

## FEATURES:

- Extreme high brightness display, 2000nits.
- LED backlight
- 1920x1080 pixels full HD resolution
- RoHS Compliance

## SPECIFICATIONS:

|                   | Item                  | Specification                                    | Unit   | Note |
|-------------------|-----------------------|--|--------|------|
| LCD panel         | Active screen size    | 476.64(H) x 268.11(V)<br>(21.53 inches diagonal) | mm     |      |
|                   | Resolution            | 1920 (H) x 1080(V)                               | pixels |      |
|                   | Pixels pitch          | 0.248(H) x 0.248(V)                              | mm     |      |
|                   | Pixel arrangement     | RGB vertical stripe                              |        |      |
|                   | Display mode          | TN mode, normally white                          |        |      |
|                   | Display colors        | 16.7 M   | colors |      |
|                   | Brightness            | 2000   | nits   |      |
|                   | Contrast Ratio        | 1000 : 1   |        |      |
|                   | Response time         | 5 ms   |        |      |
|                   | Aspect Ration         | 16 : 9   |        |      |
| Graphic           | Input Connector       | D-Sub 15 pins, DVI, HDMI                         |        |      |
| Power             | Power Input           | 100~240 V  | Vac    |      |
| Power consumption | Operation Mode        | 65 (max)   | W      |      |
|                   | Saving Mode           | 1.5 (max)  | W      |      |
| Physical          | Dimension             | Reference to drawing                             | mm     |      |
|                   | Weight                | TBD  | KG     |      |
| Environment       | Operating Temperature | -10 ~ 50   | °C     | 1    |
|                   | Storage Temperature   | -20 ~ 60   | °C     | 2    |
| Reliability       | Backlight MTBF        | 50,000   | hours  |      |
|                   | Warranty              | 12   | month  |      |
|                   | ON / OFF cycle        | 36,000   | cycle  |      |
| DCC               | Plug & Play           | DDC 2B Compliance                                |        |      |
| Function          | OSD key               | 5 keys(Power ,Enter ,▲ ,▼ ,Menu)                 |        |      |
|                   | Wall mount            | TBD  | mm     |      |

Note 1: -20°C operation is still OK at system condition.

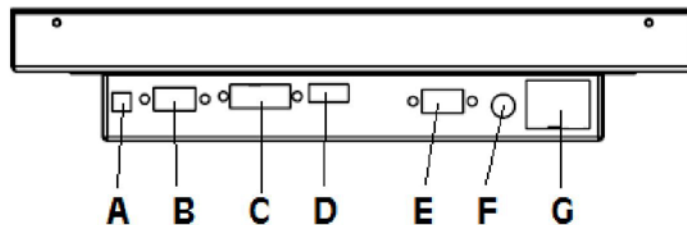
Note 2: The unit should not be exposed to corrosive chemicals.

## INSTALLING THE MONITOR

6.1 VGA signal cable connection: Plug one end of the 15-pin signal cable to the VGA connector at the rear of the PC system and the other end to the Open Frame Monitor. Secure the connectors with the screws on the cable connector at both ends.

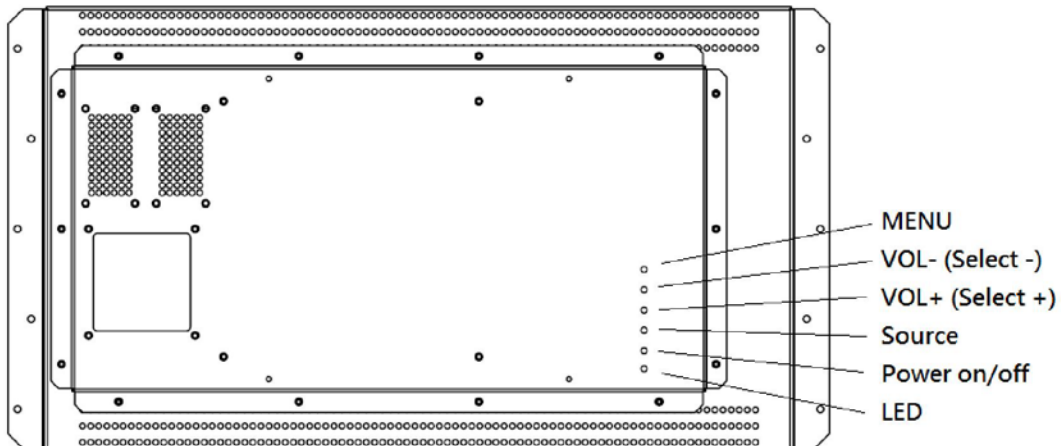
6.2 Power cable connection: Connect the power cord to the AC outlet.

6.3 Switch on the power: Switch on the power switch on the rear cover of the open frame Monitor.

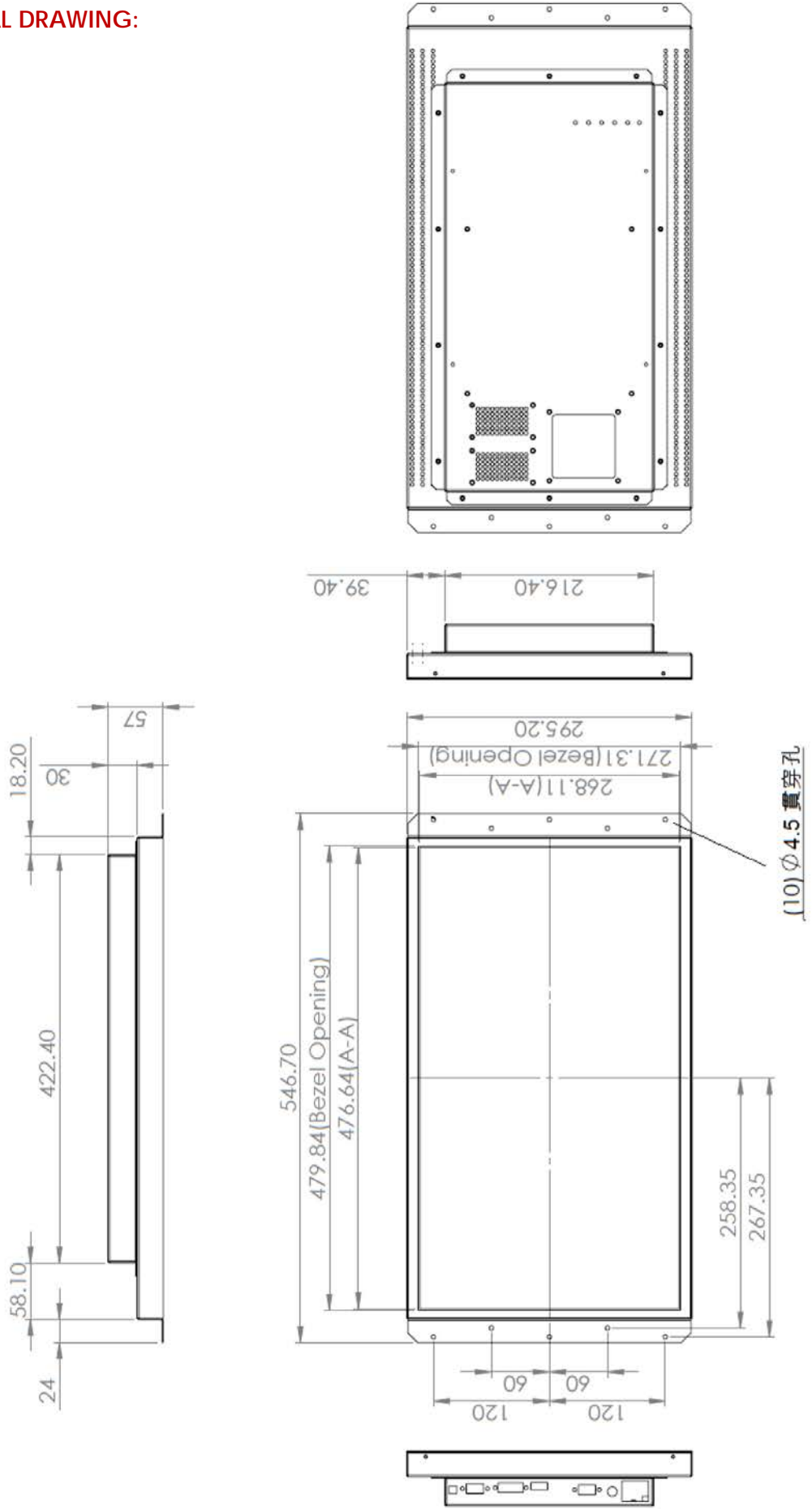


- A. Audio jack
- B. VGA D-sub 15 (Female)
- C. DVI
- D. HDMI
- E. RS232 port (option)
- F. Light sensor head (option: Auto dimming)
- G. AC power socket (100~240 Vac)

OSD Instruction:



MECHANICAL DRAWING:



**LCD OPTIONS:**



**LED Backlight Options**

Introducing LED backlight options for monitors for energy efficiency and a brighter screen.



**TouchScreen Options**

Our LCD has a wide selection option to choose which touchscreen technology suits for you.

|                               | Four-Wire Resistive  | Five-Wire Resistive  | Pen Touch  | Capacitive   | Surface Wave(Saw)  | Infrared Touch (Ir)  |
|-------------------------------|--|--|--|--|--|--|
| <b>PRODUCT SIZE</b>           | 1.7" - 24"   | 10.4" - 24"  | 15" - 19"  | 12" - 24"  | 10.4" - 30"  | 10.4" - 42"  |
| <b>TOUCH LIFE</b>             | 1 - 2 million touches  | 30 - 35million touches   | 100 million touches  | 100 million touches  | 50 million touches   | Long-term reliability  |
| <b>SCRATCH RESISTANCE</b>     | Hard Coated  | Hard Coated  | Hard Coated (SiO <sup>2</sup> )  | Hard Coated (SiO <sup>2</sup> )  | Glass Overlay<br>Moh's hardness rating of 7                                | Glass Overlay<br>Moh's hardness rating of 7                                |
| <b>CONTAMINANT RESISTANCE</b> | Resists moisture, dirt, vinegar, ammonia based food products and cleansers | Resists moisture, dirt, vinegar, ammonia based food products and cleansers | Resists moisture, dirt, vinegar, ammonia based food products and cleansers | Resists moisture, dirt, vinegar, ammonia based food products and cleansers | Resists moisture, dirt, vinegar, ammonia based food products and cleansers | Resists moisture, dirt, vinegar, ammonia based food products and cleansers |
| <b>INPUT METHOD</b>           | Finger, Gloved Hand, Stylus  | Finger, Gloved Hand, Stylus  | Stylus Pen   | Finger   | Finger, Gloved Hand, Soft pliable stylus                                   | Finger, Gloved Hand, Stylus  |
| <b>CONTROLLER</b>             | USB, RS232   | USB, RS232   | USB, RS232   | USB, RS232   | USB, RS232   | USB, RS232   |



**VIDEO Input Options:**

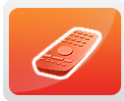
For Video inputs options:

DVI, DVI+HDMI, SVideo+AV, SVideo+AV+DVI, AV+Looping, DVI+AV+Looping, HD-SDI, BNC(PAL/NTSC)



**Optical Bonding Options**

- Optical Bonding provides the best reduction of ambient light washout of any commercially available enhancement technology.
- Optical Bonding has a lower cost than most other competing technologies.
- Optical Bonding offers superior ruggedization, enhancing the display durability under vibration, shock and other environmental extremes.



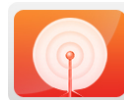
**RS-232 Remote Control Options**

**Remote Control Protocol: Command Code to set system**



**9-36V DC Input Options**

iTech offers a selection of DC input from 9V to 36V



**Light Sensor and Motion Sensor Options**

iTech LCD offers Light and Motion Sensor

**Privacy Filter**

Front Glass Options:

- Anti Reflective AR Glass 3mm
- Anti Reflective AR Glass 6mm Vandal-Resistance
- Anti Reflective AR Glass 8mm Vandal-Resistance
- Anti Glare AG Glass 3mm

