

# Industrial High Brightness Open Frame LCD



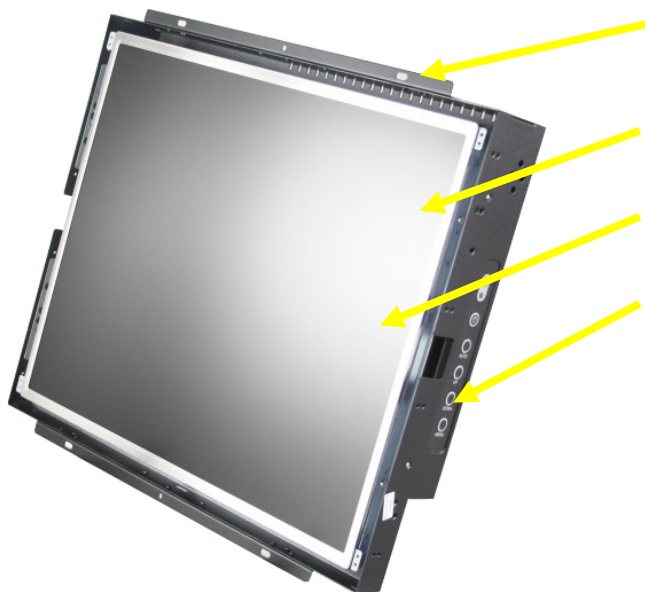
High Brightness Open frame, 21.5" LCD monitor, 1920 x 1080, 2500 nits, 1000:1 with VGA, DVI, HDMI, 100~240V AC-in, Operating temp -10 to 50C, Light sensor: one grade (100% to 30%), with 50cm sensor cable

**MODEL: GOPW2150HB2**

## 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:

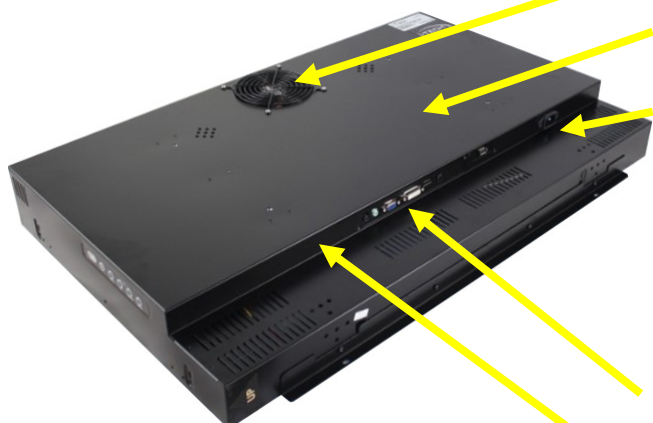


Easy to Mount Open Frame, metal chassis (top & bottom flanges)

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, 2500nits.
- 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) (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	2500	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.

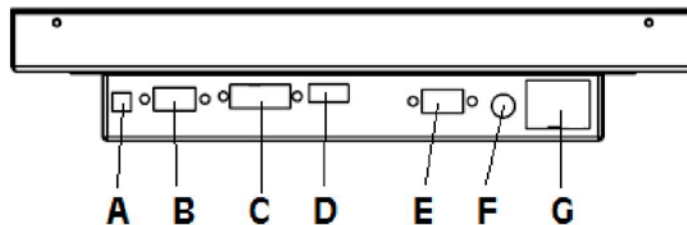
Note 2: The unit should not be exposed to corrosive chemicals.

## 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.

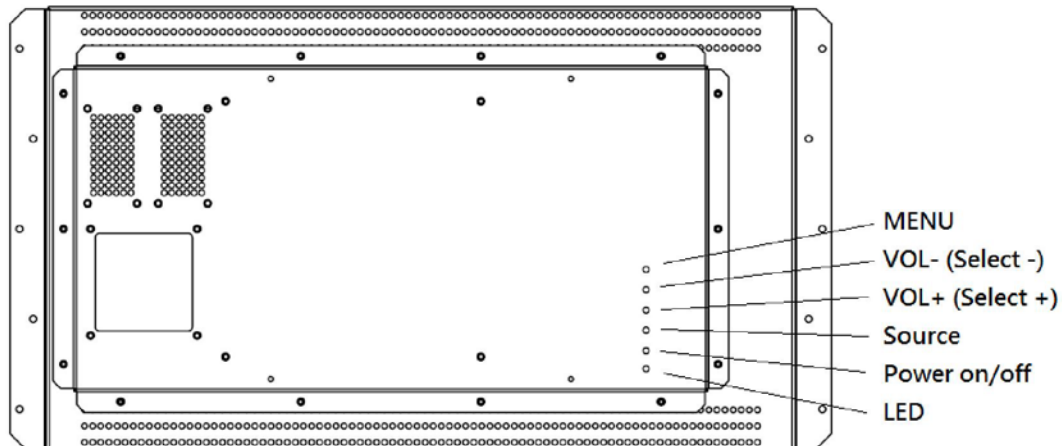
6.2 Power cable connection: Connect the power cord to the AC outlet.

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

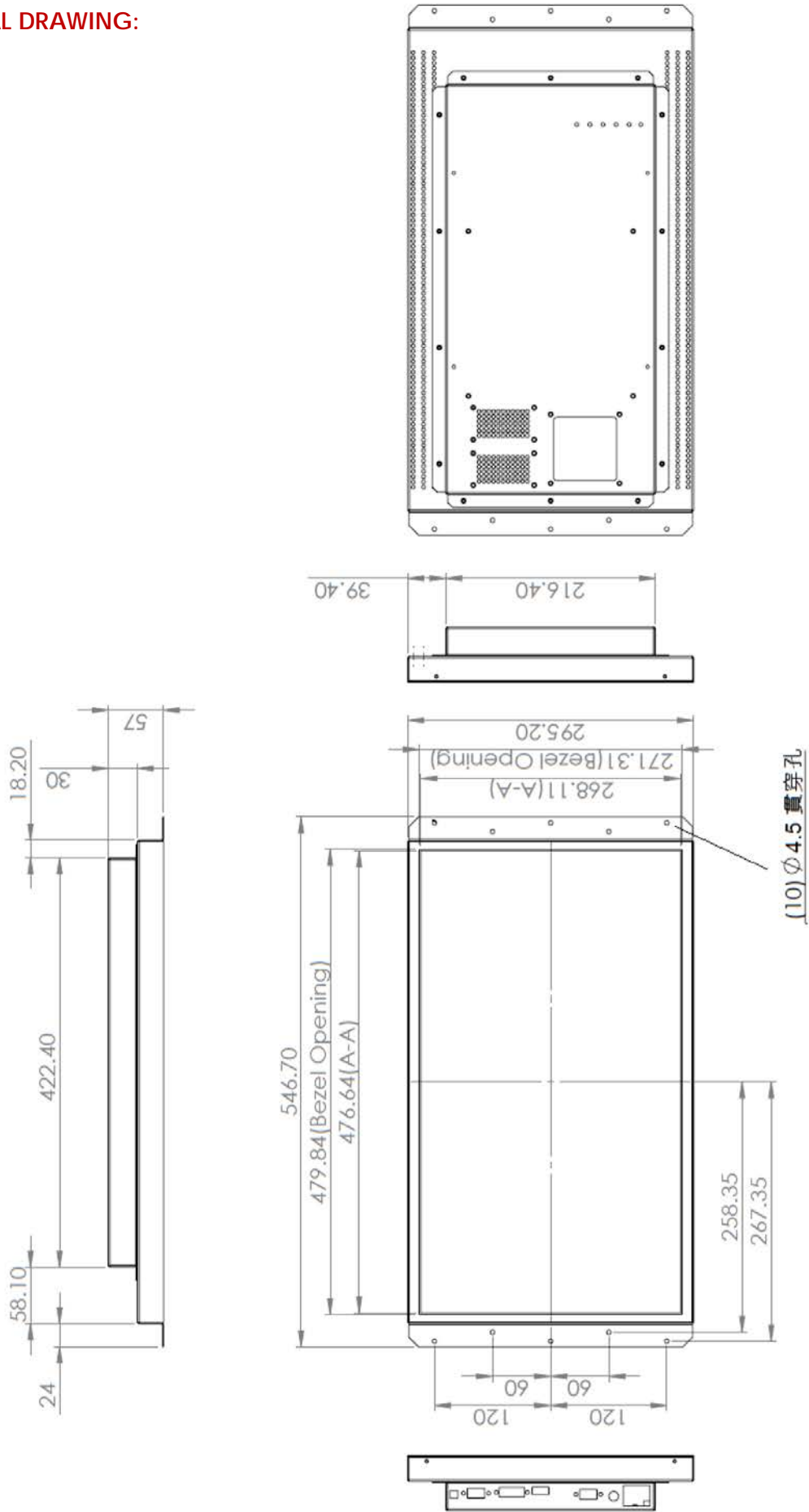


- A. Audio jack
- B. VGA D-sub 15 (Female)
- C. DVI
- D. HDMI
- E. RS232 port (option)
- F. Light sensor head (option: Auto dimming)
- G. AC power socket (100~240 Vac)

OSD Instruction:



MECHANICAL DRAWING:

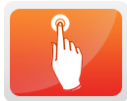


## LCD OPTIONS:



### 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.

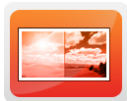
	Four-Wire Resistive	Five-Wire Resistive	Pen Touch	Capacitive	Surface Wave(Saw)	Infrared Touch (Ir)
PRODUCT SIZE	1.7" - 24"	10.4" - 24"	15" - 19"	12" - 24"	10.4" - 30"	10.4" - 42"
TOUCH LIFE	1 - 2 million touches	30 - 35million touches	100 million touches	100 million touches	50 million touches	Long-term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



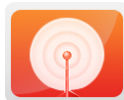
### RS-232 Remote Control Options

**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