



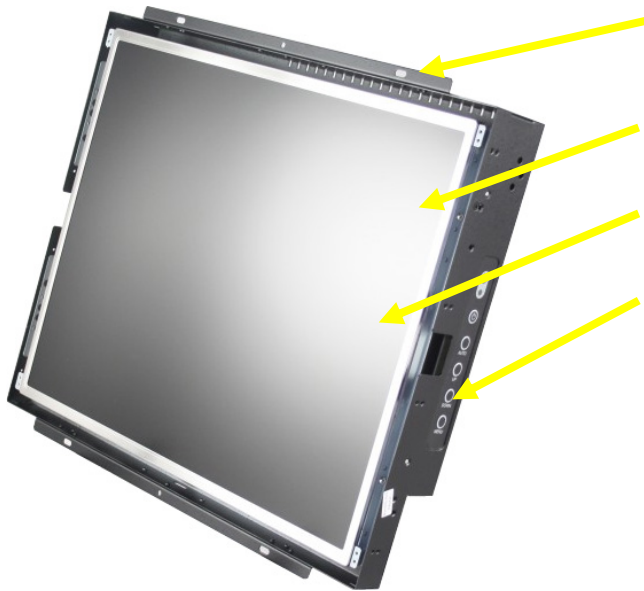
# Model: GOPW5500HB

## 55" High Brightness Open Frame Wide LCD Monitor

**Super  
Brightness  
2000nits**

High Brightness Open frame, 55" LCD monitor, 1920 x 1080, 2000 nits, 4000:1 with VGA+DVI+HDMI, 100~240V AC-in, Operating temp -10 to 50C

### Features highlights:

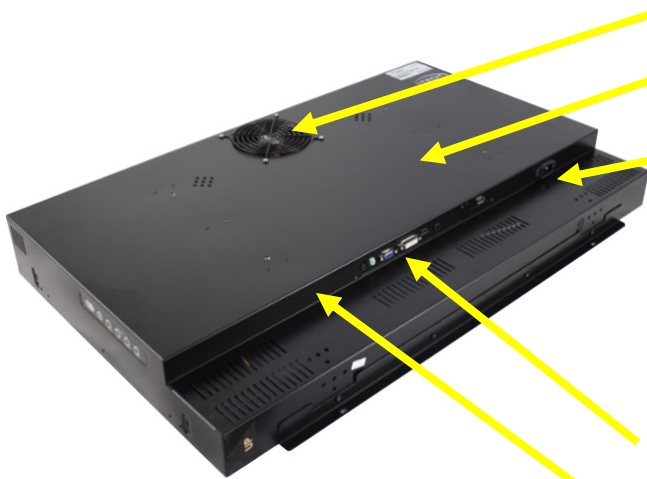


Easy to Mount Open Frame, metal chassis (top & bottom flanges)

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:

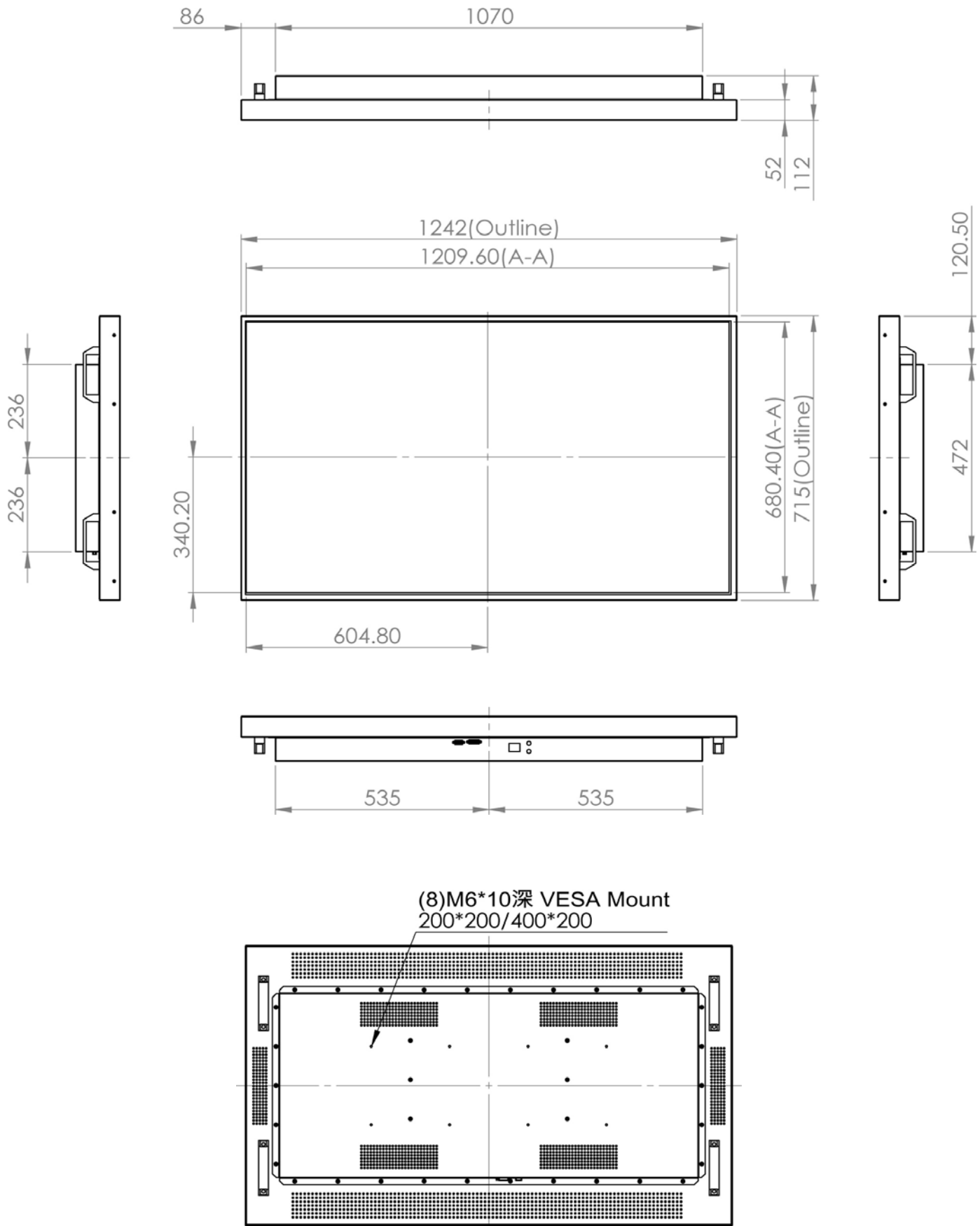
- Sunlight readable display, 2000 nits.
- Direct LED Backlight
- WUXGA (1920x1080 pixels) full HD resolution
- RoHS Compliance

## Specification:

| Items                                       | Unit              | Specification                                       |
|---|-------------------|---|
| Screen Diagonal                             | inch              | 54.6  |
| Active Area                                 | mm                | 1209.6(H) x 680.4(V)                                |
| Pixels H x V                                | pixels            | 1920(x3) x 1080                                     |
| Pixels Pitch                                | um                | 630(per one triad) x 630                            |
| Pixel Arrangement                           |                   | RGB Vertical stripe                                 |
| Display mode                                |                   | MVA mode, normally black                            |
| White luminance (center)                    | Cd/m <sup>2</sup> | 2,000 (Typ.)  |
| Contrast ratio                              |                   | 4,000 (Typ.)  |
| Optical Response Time                       | msec              | 6.5 ms (Typ. G to G)                                |
| Normal Input Voltage VDD                    | Volt              | 12  |
| Power Consumption<br>(VDD Line + Backlight) | Watt              | 393   |
| Weight                                      | Grams             | 20500 (max)   |
| Physical size                               |                   | 1236 (H) x 708.9 (V) x 55 (D)<br>(LED driver cover) |
| Electrical Interface                        |                   | 4 Channel LVDS                                      |
| Support Colors                              |                   | 1073.7 M (8 bit + FRC) colors                       |
| Surface Treatment                           |                   | Haze 11%  |
| Temperature range                           |                   |   |
| Operating                                   | 0C                | 0 ~ 50 -  |
| Storage                                     | 0C                | 20 ~ 60   |
| (Shipping)                                  |                   |   |
| RoHS Compliance                             |                   | RoHS Compliance                                     |

Note 1: The unit should not be exposed to corrosive chemicals.

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 <sub>2</sub> )  | Hard Coated (SiO <sub>2</sub> )  | Glass Overlay<br>Moh's hardness rating of 7                                | Glass Overlay<br>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



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