

# Full IP65 Chassis LCD

## 21.5" (Stainless Design)



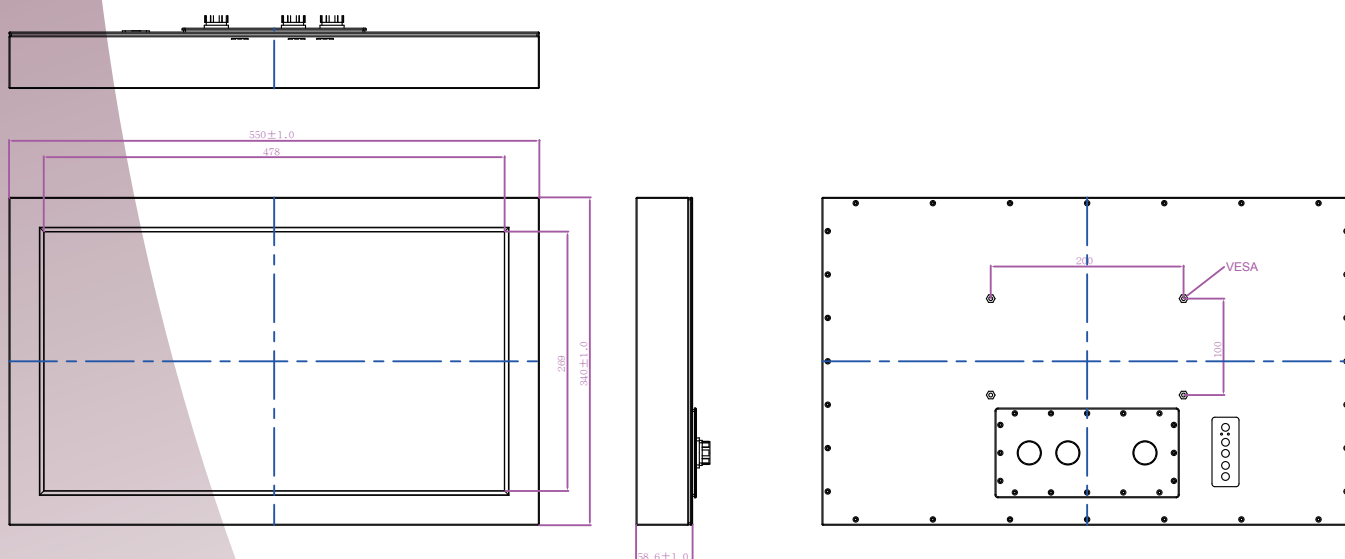
### Specifications

|                                |   |
|--------------------------------|---|
| Model Name                     | W22L100-65A3 (LED)  |
| Viewable Size Image            | 21.5" (16:9)  |
| Active Display Area(mm)        | 476.64 (H) x 268.11 (V)   |
| Pixel Pitch(mm)                | 0.248 (H) x 0.248 (V)   |
| Number of Pixels               | 1920 x 1080   |
| Contrast Ratio                 | 1000:1 (typ.)   |
| Display Color                  | 16.7M (8bits/color)   |
| Brightness(cd/m <sup>2</sup> ) | 250 (typ.)  |
| Viewing Angle(CR>=10)          | 170 (H) ; 160 (V)   |
| Synchronization Range          |   |
| Horizontal/Vertical            | 31.5~60.0 KHz / 60~75 Hz  |
| Recommended Resolution         | 1920 x 1080 @60HZ   |
| Signal Connector               | 10 pin IP65 Connector   |
| I/O                            | 3 pin Power cable (IP65 connector)<br>10 pin VGA cable (IP65 connector)<br>10 pin RS232 or Video Cable (IP65 connector) |
| Power Source                   | DV 12V in, with External AC-DC Adapter (100~240V)   |
| Power Consumption              | 50W typical, normal operation   |
| Power Management               | VESA DPMS Compliant   |
| Plug & Play                    | VESA DDC 1/2B   |
| Optional Touch Screen          | Resistive   |



\*Due to Panel material's deviation, different panel supplier will set different specific variance range to optical characteristics. The factors of time used, Lamp current, Ambient temperature will influence the optical measurements.

### Mechanical Drawing

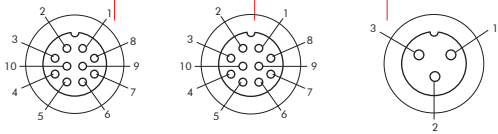


\* Note: this is a simplified drawing and some components are not marked in detail. Please contact our sales representative if you need further product information.

# Full IP65 Chassis LCD

## IO Layout

### Back Side (I/O)



Optional RS232  
or video input

10 pin VGA  
connector

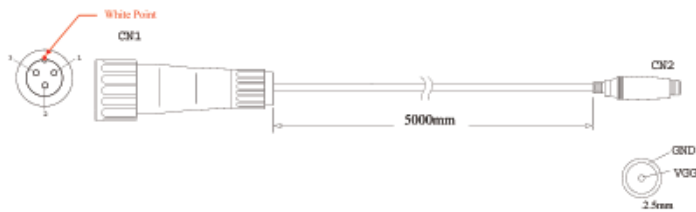
3 pin AC Power

## Cable List

| LCD side                            | PC side          |
|-------------------------------------|------------------|
| 3pin IP65 Power connector           | 2.5♀ Female      |
| 10pin IP65 VGA connector            | Male (D-sub 9)   |
| 10pin IP65 RS232 connector optional | Female (D-sub 9) |

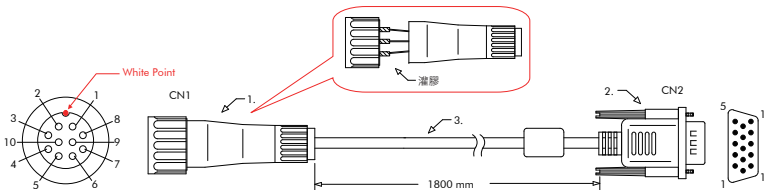
## IP65 Cable/Pin Define

### Power Cable



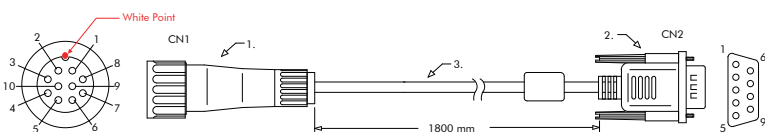
| Pin No. | Symbols | Color | Pin No. | Symbols | Color |
|---------|---------|-------|---------|---------|-------|
| CN1-1   | VCC     | Red   | CN2     | VCC     | Red   |
| CN1-3   | GND     | Black | CN2     | GND     | Black |
| CN1-2   | GND     | Black | CN2     | GND     | Black |

### VGA



| CN1     |         |        | CN2     |         |        |
|---------|---------|--------|---------|---------|--------|
| Pin No. | Symbols | Color  | Pin No. | Symbols | Color  |
| 1       | R       | Red    | 1       | R       | Red    |
| 2       | R-GND   | Black  | 6       | R-GND   | Black  |
| 3       | G       | Green  | 2       | G       | Green  |
| 4       | G-GND   | Black  | 7       | G-GND   | Black  |
| 5       | B       | Blue   | 3       | B       | Blue   |
| 6       | B-GND   | Black  | 8       | B-GND   | Black  |
| 7       | SDA     | Yellow | 12      | SDA     | Yellow |
| 8       | HS      | Orange | 13      | HS      | Orange |
| 9       | VS      | White  | 14      | VS      | White  |
| 10      | SCL     | Brown  | 15      | SCL     | Brown  |

### RS232 (optional)



| Pin No. | Symbols  | Color  | Pin No. | Symbols  | Color  |
|---------|----------|--------|---------|----------|--------|
| CN1-1   | DCD-CON2 | Green  | CN2-1   | DCD-CON2 | Green  |
| CN1-2   | DSR-CON2 | Brown  | CN2-6   | DSR-CON2 | Brown  |
| CN1-3   | RXD-CON2 | Red    | CN2-2   | RXD-CON2 | Red    |
| CN1-4   | RTS-CON2 | Orange | CN2-7   | RTS-CON2 | Orange |
| CN1-5   | TXD-CON2 | Blue   | CN2-3   | TXD-CON2 | Blue   |
| CN1-6   | CTS-CON2 | White  | CN2-8   | CTS-CON2 | White  |
| CN1-7   | DTR-CON2 | Purple | CN2-4   | DTR-CON2 | Purple |
| CN1-8   | RI-CON2  | Yellow | CN2-9   | RI-CON2  | Yellow |
| CN1-9   | GND-CON2 | Black  | CN2-5   | GND-CON2 | Black  |
| CN1-10  | NC       |        | CN2-10  | NC       |        |

| Rev. | Reasons       | Revised Date |
|------|---------------|--------------|
| 1.0  | First release | Aug-09-12    |
|      |               |              |