

FULL IP65 Chassis LCD

21.5" (16:9) IP66/NEMA4X Stainless Design
Model: WCH2150A2-IP



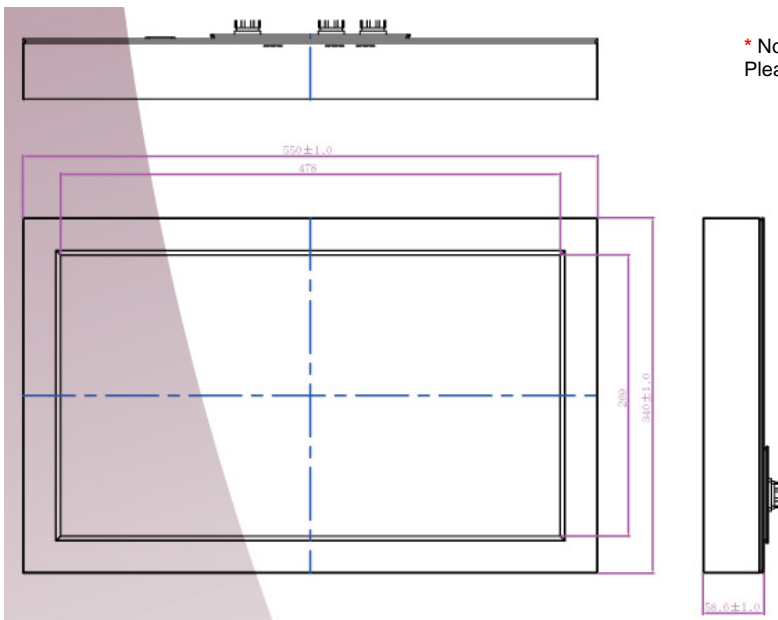
Specifications

Model Name	WCH2150A2-IP
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 ²)	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) 10 pin VGA cable (IP65 connector) 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

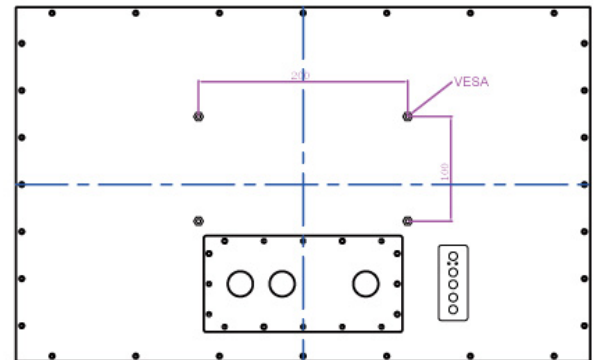


*Due to Panel material's deviation, different panel supplier will set different specific variance range to optical characteristics. The factors of time used, Lamp current, Ambient temperature will influence the optical measurements.

Mechanical Drawings:

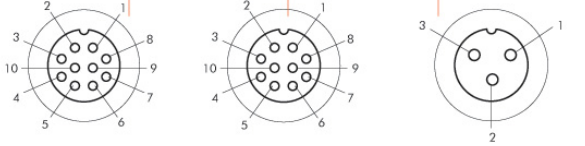


* Note: this is a simplified drawing and some components are not marked in detail. Please contact our sales representative if you need further product information.



IO Layout

Back Side (I/O)



Optional RS232
or video input

10 pin VGA
connector

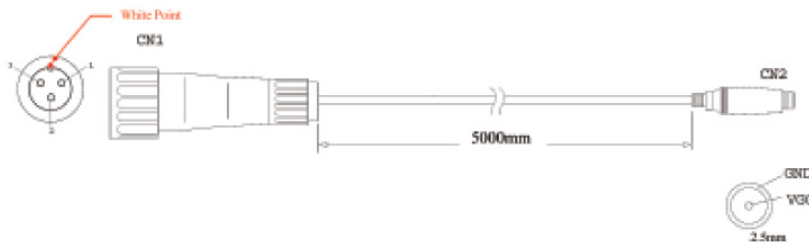
3 pin AC Power

Cable List

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

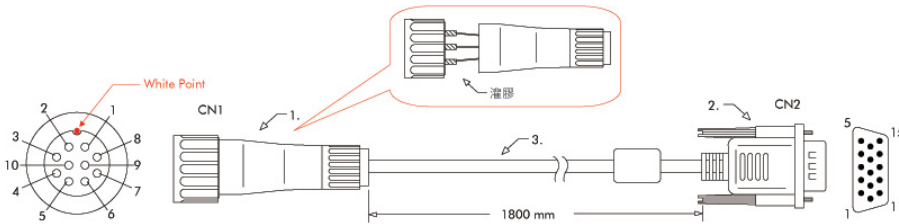
IP65 Cable/PIN Define

Power Cable



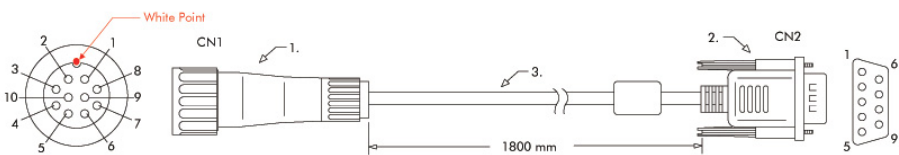
Pin No.	Symbols	Color	Pin No.	Symbols	Color
CN1-1	VCC	Red	CN2	VCC	Red
CN1-3	GND	Black	CN2	GND	Black
CN1-2	GND	Black	CN2	GND	Black

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	