

FULL IP65 Chassis LCD



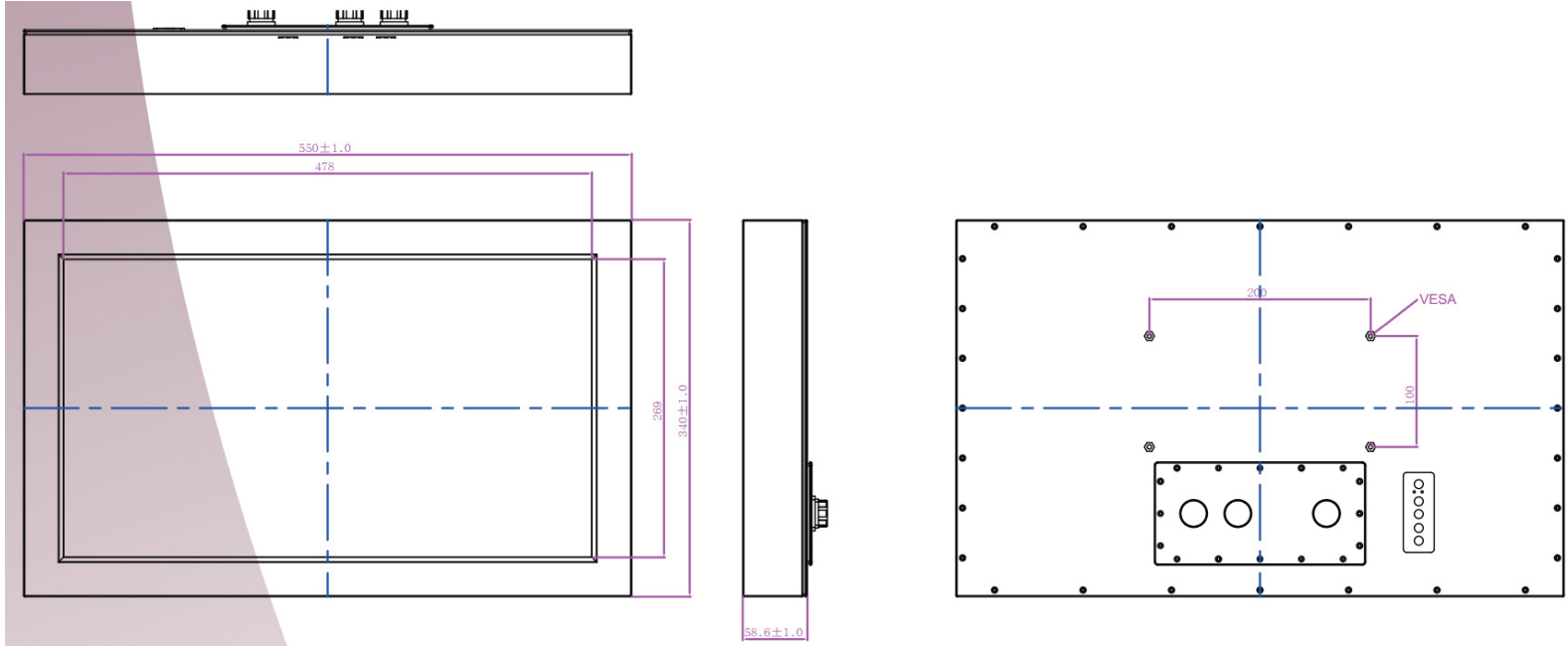
21.5" Stainless Design

Specifications

Model Name	WCH2150A3-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)	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



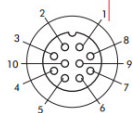
Mechanical Drawings:



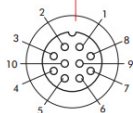
*Note: this is a simplified drawing and some components are not marked in detail. Please contact our sales representative if you need further product information.

I/O Layout:

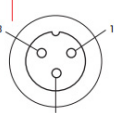
Back Side (I/O)



Optional RS232
or video input



10 pin VGA
connector



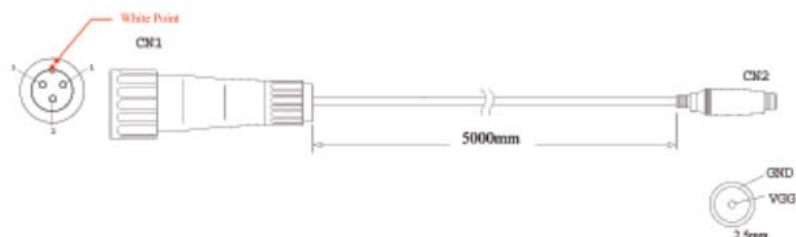
3 pin AC Power

Cable List:

LCD	PC side
3pin IP65 Power connector	2.5 Female
10pin IP65 VGA connector	Male (D-sub 9)
10pin IP65 RS232 connector optional	1 Female (D-sub 9)

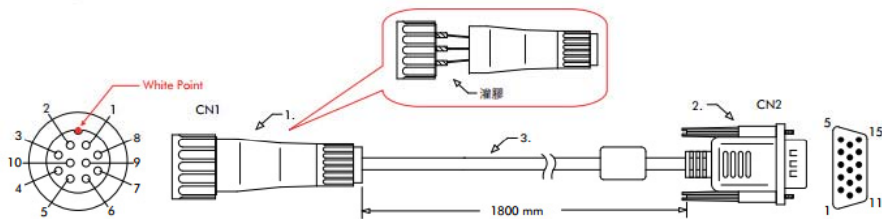
IP65 Cable/Pin Define:

Power Cable



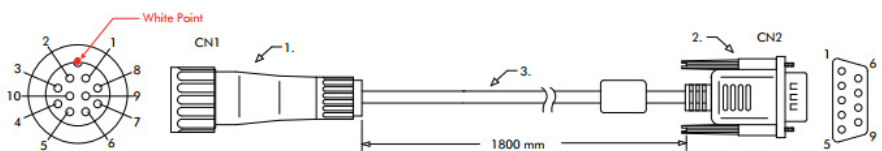
Pin No.	Symbols	Color	Pin No.	Symbols	Color
CN1-1	VCC	Red	CN2	VCC	Red
CN1-3	GND	Black	CN2	GND	Black
CN1-2	GND	Black	CN2	GND	Black

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	