

Full IP65 Chassis LCD

21.5" (Stainless Design)



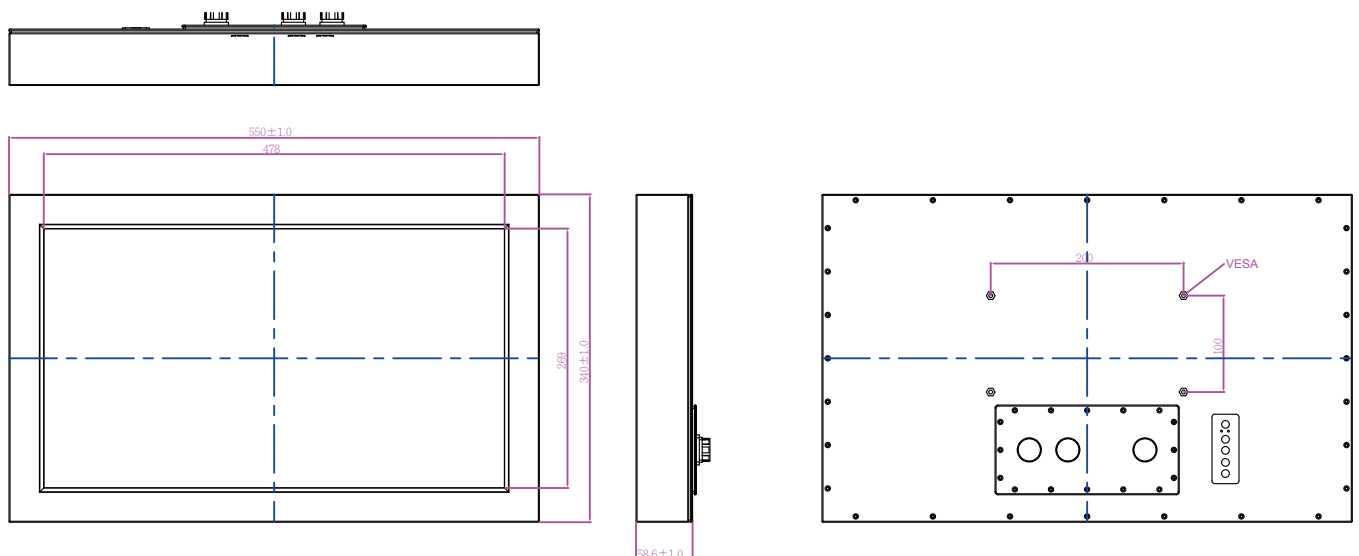
Specifications

Model Name	IP65-21.5T (VM215-A-A-GS-FIP)
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	3000:1 (typ.)
Display Color	16.7M (8bits/color)
Brightness(cd/m)	250 (typ.)
Viewing Angle(CR>=10)	-89~89 (H) ; -89~89 (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	12V DC 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

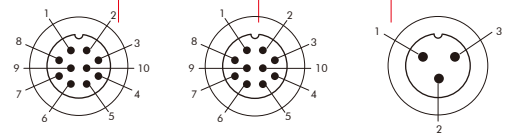


* Note: this is a simplified drawing and some components are not marked in detail.
 Please contact our sales representative if you need further product information.

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IO Layout

Back Side (I/O)



Optional RS232
or video input

10 pin VGA
connector

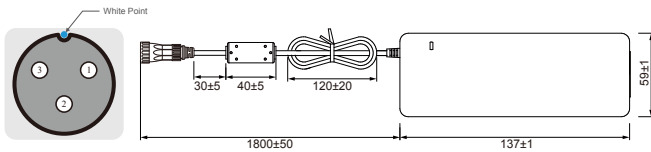
3 pin DC Power

Cable List

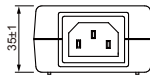
LCD side	PC side
3pin IP65 Power connector	2.5♀ Female
10pin IP65 VGA connector	Male (D-sub 9)
10pin IP65 RS232 connector optional	Female (D-sub 9)

IP65 Cable/Pin Define

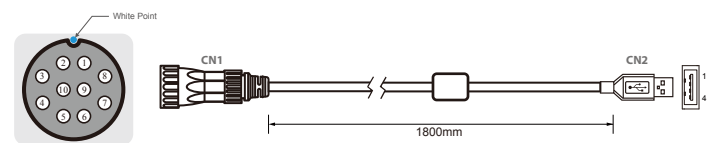
Power Cable



Pin No.	Symbols	Color
CN1-3	GND	Black
CN1-2	shield	
CN1-1	VCC	White



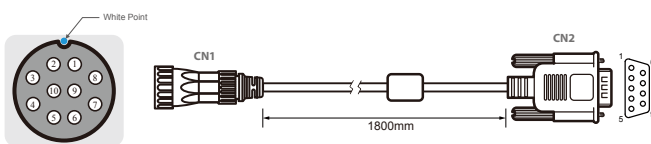
USB Cable (For Touch)



Pin No.	Symbols	Color	Pin No.	Symbols	Color
CN1-1	VCC	RED	CN2-1	VCC	RED
CN1-2	D-	WHITE	CN2-2	D-	WHITE
CN1-3	D+	GREEN	CN2-3	D+	GREEN
CN1-4	GND	BLACK	CN2-4	GND	BLACK
CN1-5	Shield		CN2-5	Shield	GREEN

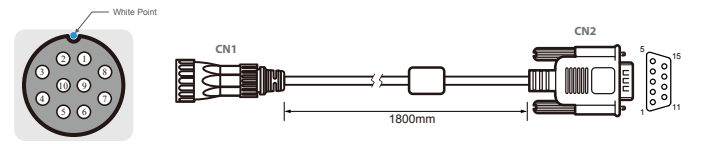
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Serial Cable (For Touch)



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				

VGA Cable



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
				4	HS-GDN	
				5	NC	
				9	NC	
				10	NC	
				11	VS-GDN	