

# Full IP65 Chassis LCD

## 12.1" (Stainless Design)



### Specifications

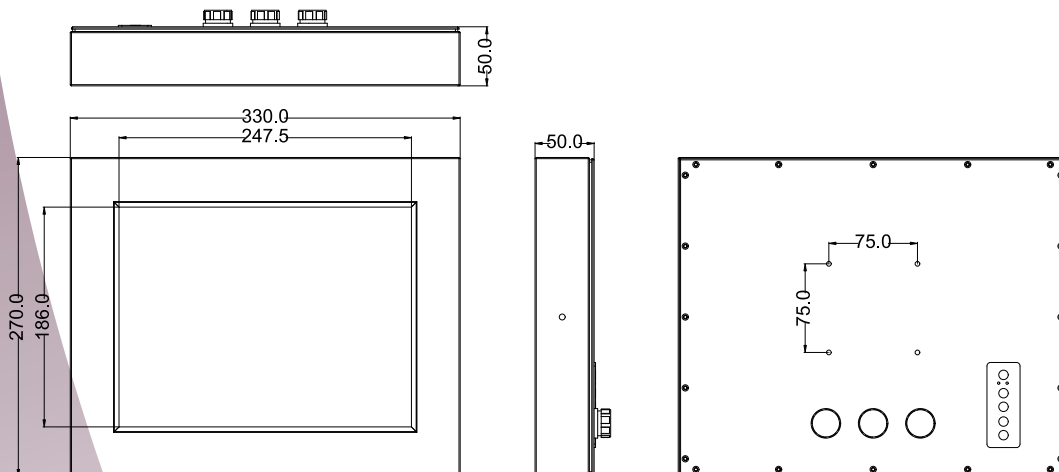
Model Name	VM121A-M-FIP
Viewable Size Image	12.1"
Active Display Area(mm)	246.0 (H) x 184.5 (V)
Pixel Pitch(mm)	0.3075 (H) x 0.3075 (V)
Number of Pixels	800x600
Contrast Ratio	500:1(typ.)
Display Color	262,144 (6bits/color)
Brightness(cd/m <sup>2</sup> )	350 (typ.)
Viewing Angle(CR>=10)	-65~65 (H); -75~45 (V)
Synchronization Range	
Horizontal/Vertical	31.5~46.9KHz / 60~75Hz
Recommended Resolution	800x600@60Hz, 75Hz
Signal Connector	D-Sub 15pin
I/O	3 pin Power cable(IP65 connector); 10 pin VGA cable (IP65 connector); Optional 10 pin RS232 or USB cable(IP65 connector)
Power Source	DC12V
Power Consumption	20W typical, normal operation
Power Management	VESA DPMS Compliant
Plug & Play	VESA DDC 1/2B
Optional Touch Screen	Resistive
Optional video	Yes

\*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.

Standard:  
brushed stainless



Optional:  
black, high polish, vanished coating



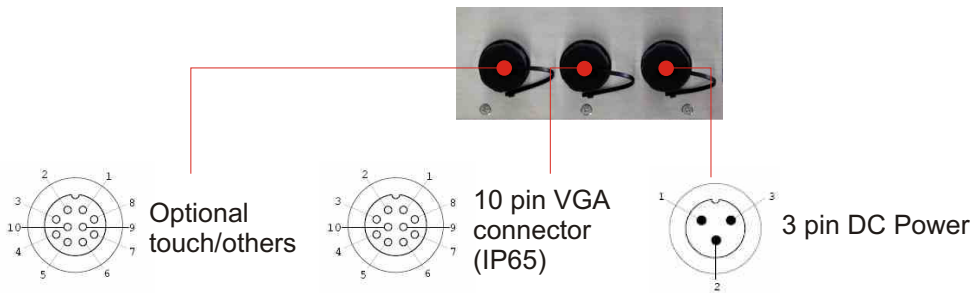
UNIT:mm

\* 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)

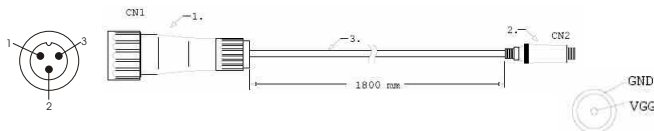


## Cable List

LCD	IP65 connector	PC side IO type
DC power	3pin	Female(2.5 fai)
USB(optional)	10pin	Male(type A)
RS232(optional)	10pin	Female(D-sub 9)
VGA	10pin	Male(D-sub 15)

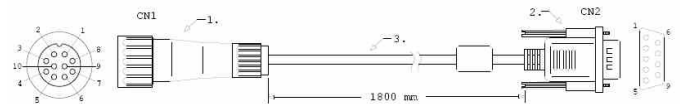
## IP65 Cable/Pin Define

### DC Power



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

### RS232



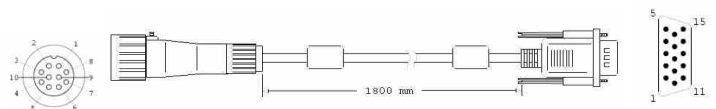
Pin No.	Symbols	Color	Pin No.	Symbols	Color
CN1-1	DCD-CON2	Green	CN2-1	DCD-CON2	Green
CN1-2	DSR-CON2	Brown	CN1-6	DSR-CON2	Brown
CN1-3	RXD-CON2	Red	CN1-2	RXD-CON2	Red
CN1-4	RTS-CON2	Orange	CN1-7	RTS-CON2	Orange
CN1-5	TXD-CON2	Blue	CN1-3	TXD-CON2	Blue
CN1-6	CTS-CON2	White	CN1-8	CTS-CON2	White
CN1-7	DTR-CON2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

### USB



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				

### VGA



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

Rev.	Reasons	Revised Date
1.0	New Add	Feb-11-09