



● Feature

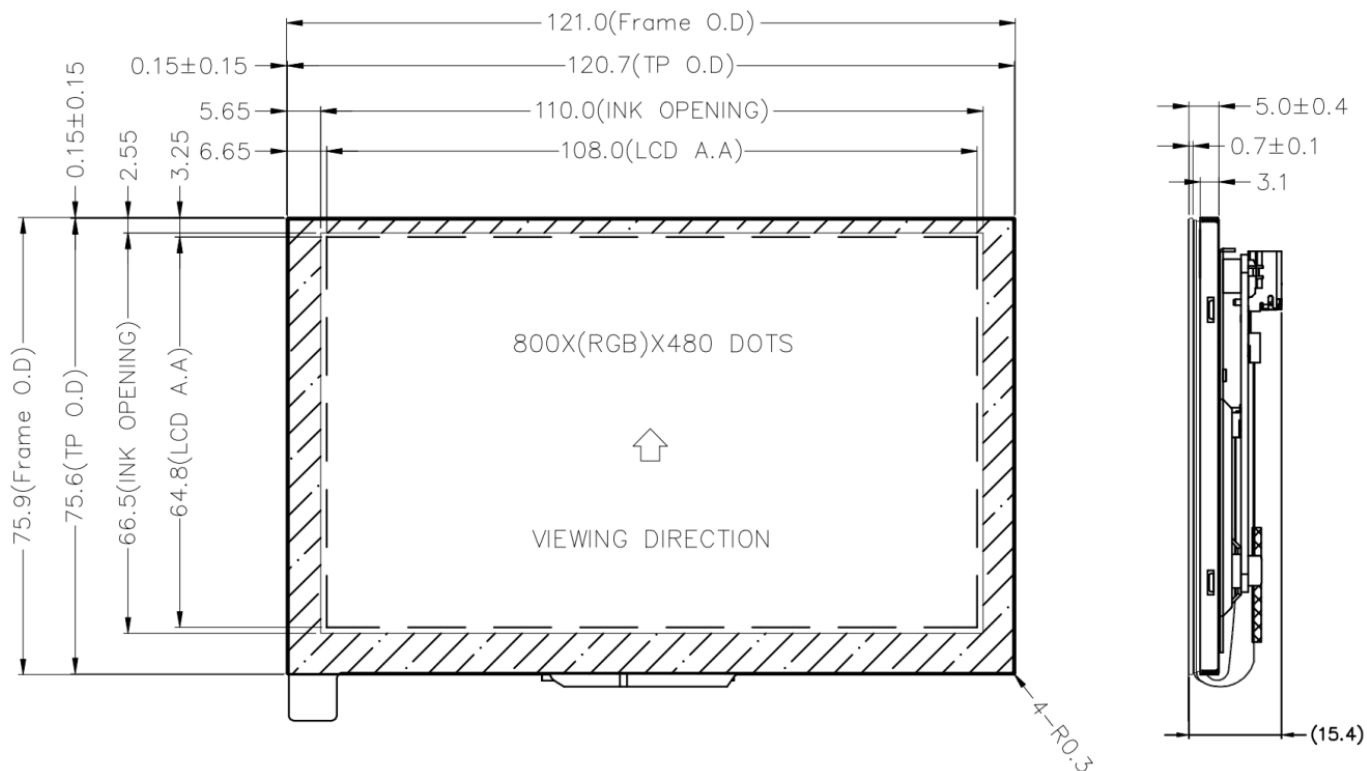
1. 5.0" TFTLCD Module
2. Resolution:800*3(RGB)*480
3. DisplayType:TFT/Transmissive/Normally white
4. Interface Type:HDMI
5. Surface Luminance:800cd/m²
6. Top:-20°C~70°C
7. Support Capacitive Touch Panel
8. CTP Drive IC:HYCON 4635

● Mechanical Data

1. Module(WxHxT)(mm):121.0*75.9*15.4
2. Active Area(mm):108.0*64.8
3. LED Numbers: 18 LEDs



● Mechanical Drawing



● HDMI Interface Pin Function

Pin#	Name	Description
1	TX2+	TMDS Data 2+
2	TX2 Shield	TMDS Data 2 Shield
3	TX2-	TMDS Data 2-
4	TX1+	TMDS Data 1+
5	TX1 Shield	TMDS Data 1 Shield
6	TX1-	TMDS Data 1-
7	TX0+	TMDS Data 0+
8	TX0 Shield	TMDS Data 0 Shield
9	TX0-	TMDS Data 0-
10	TXC+	TMDS Clock+
11	TXC Shield	TMDS Clock Shield
12	TXC-	TMDS Clock-
13	CEC	CEC
14	NC	No connection
15	SCL	Serial Clock for DDC
16	SDA	Serial Data for DDC
17	GND	Power ground
18	V5V	+5V Power
19	Hot Plug Detect	Hot Plug Detect

● Capacitive Touch Panel Pin Function

Pin#	Name	Description
1	V _{Bus}	V _{Bus} 4.4V-5.25V
2	D-	Data-
3	D+	Data+
4	ID	No connection
5	GND	Power ground.

● Electrical Characteristics

Module

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Supply Voltage	VDD	GND=0V	3.0	3.3	3.6	V
	V _{Bus}		4.5	5.0	5.5	V
Input Signal Voltage	V _{IH}		0.7*VDD	-	VDD	V
	V _{IL}		0	-	0.3*VDD	V
Supply Current	I _{VBus}	V _{Bus} =5.0V	-	700	1000	mA

Backlight

Item	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage	VF	IF=90mA	16.2	18.0	19.2	V
CIE Color Coordinate (Without LCD)	X		0.25	0.28	0.31	-
	Y		0.25	0.28	0.31	
Color	White					