

10.1" Open Frame Display

1280x800, Model - UM-1080-OF
Formerly known as M101IPS-OF



This display employs the latest IPS technology to ensure that panel color performance remains nearly constant at all viewing angles.

Open Frame 10.1" IPS USB Monitor

Utilizing the same USB display technology as our line of displays, the UM-1080-OF is our widest viewing angle open frame 10.1" monitor. The UM-1080-OF is a 10.1" open frame monitor (display-only) for applications that will be integrated into other equipment or enclosures. Same slick design features but in a long-lasting molded metal product cycle-enclosure. Future generation panels can be phased-in without external changes. The screen can display in either landscape or portrait orientations and has nearly 180 degree viewing angles. The UM-1080-OF open frame monitor is designed to provide the most cost effective solutions for consumer, retail POS, and hospitality markets.

General Specifications:

- Screen: 10.1" diagonal, IPS Panel
- Driver element L a-si TFT active matrix
- Viewing angles: 85/85/85/85
- Pixel pitch: 0.1695 (H) x 0.1695 (V)
- Pixel arrangement: RGB vertical stripe
- Display colors: 262,144
- Surface treatment: Hard coating (3H), anti-glare
- Contrast ratio: 800:1
- Luminance, White: 350 CD/m²
- Capacitive/Resistive touch optional
- Response time: 14ms
- Rear 4 point mounting for secure installation
- Utilizes Displaylink for power, touch and video over single USB connection

Applications:

- kiosk information system
- gaming and amusement
- light industrial shop-floor automation
- POP/POS

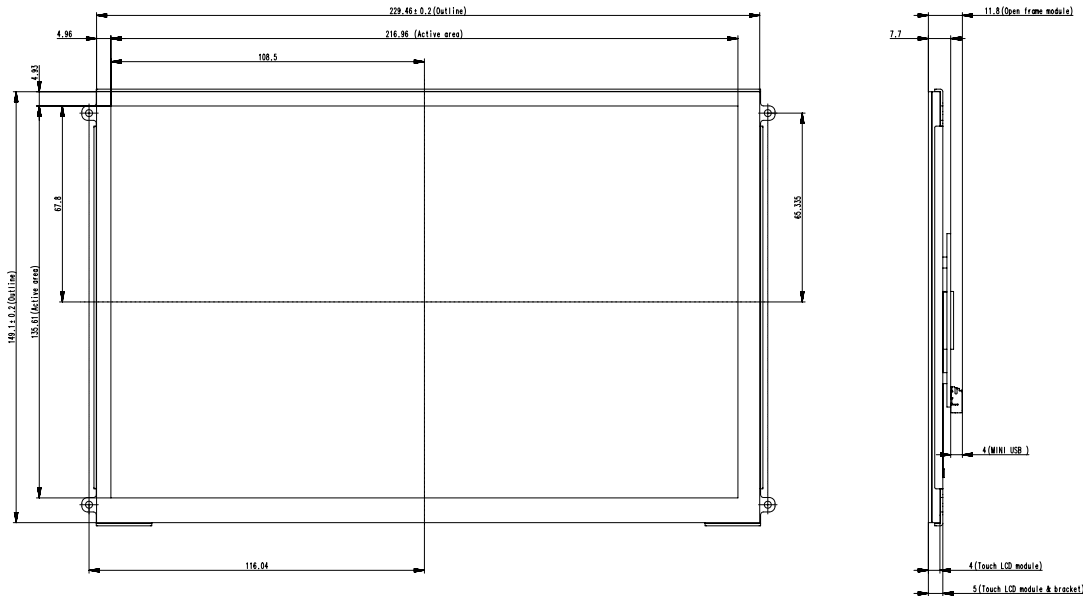


UM-1080-OF

Optical Specifications

Item	Symbol	Condition	Min.	Typ.	Max.	Unit	Note	
Contrast Ratio	CR	$\theta_x=0^\circ, \theta_y=0^\circ$ Viewing Normal Angle	500	800	-	-	(2), (5), (7)	
Response Time	T_R		-	14	17	ms	(3), (7)	
	T_F		-	11	14	ms		
Cross Talk	CT		-	-	4	%	(8)	
Average Luminance of White	L_{AVE}		300	350	-	cd/m ²	(4), (6), (7)	
Color Chromaticity	Red		Rx	Typ - 0.03	0.592	Typ + 0.03	-	(1), (7)
			Ry		0.340		-	
	Green		Gx		0.310		-	
			Gy		0.579		-	
	Blue		Bx		0.150		-	
		By	0.128		-			
	White	Wx	0.308		-			
		Wy	0.324		-			
Color Gamut	CG	47	50		%	(9)		
Viewing Angle	Horizontal	θ_{x+}	80	85		Deg.	(1), (5), (7)	
		θ_{x-}	80	85	-			
	Vertical	θ_{y+}	80	85	-			
		θ_{y-}	80	85	-			
White Variation of 5 Points	δW_{5p}	$\theta_x=0^\circ, \theta_y=0^\circ$	80	90	-	%	(5), (6), (7)	

Dimensions and Mechanical Specifications



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