

## 10.1" Capacitive Touch HDMI Open Frame Display

1280x800, Model: UM-1080CH-OF



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

### Multi Point Capacitive Touch Open Frame 10.1" IPS HDMI Monitor

Using the same high quality LCD wide viewing angle panel as the popular UM-1080-OF, the UM-1080CH-OF adds 10 point capacitive touch. The UM-1080CH-OF is a 10.1" open frame capacitive touch monitor 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-1080CH-OF open frame capacitive touch display is designed to provide the most cost effective solutions for consumer, retail POS, and hospitality markets.

#### General Specifications:

- 10.1" diagonal, IPS, 16:10, 1280x800 Resolution
- Viewing angles: 85/85/85/85
- Contrast ratio: 800:1
- Luminance, White: 350 CD/m<sup>2</sup>
- 10 point capacitive touch panel
- Rear 4 point mounting for secure installation
- Utilizes HDMI for video and USB for touch and power. No separate power supply to worry about. Can be powered externally if required.
- HDCP Compliant
- Ultra-light, weighs less than 1 pound
- Can be applied as a secondary customer-facing display in retail POS environments, kiosks, gaming, and more.
- As with all our monitors, the Mimo UM-1080C-OF is compatible with Windows 7 & 8, Linux, and Mac OS.
- Mechanical drawings available upon request

#### Applications:

- Kiosk information system
- Gaming and amusement
- Light industrial shop-floor automation
- POP/POS

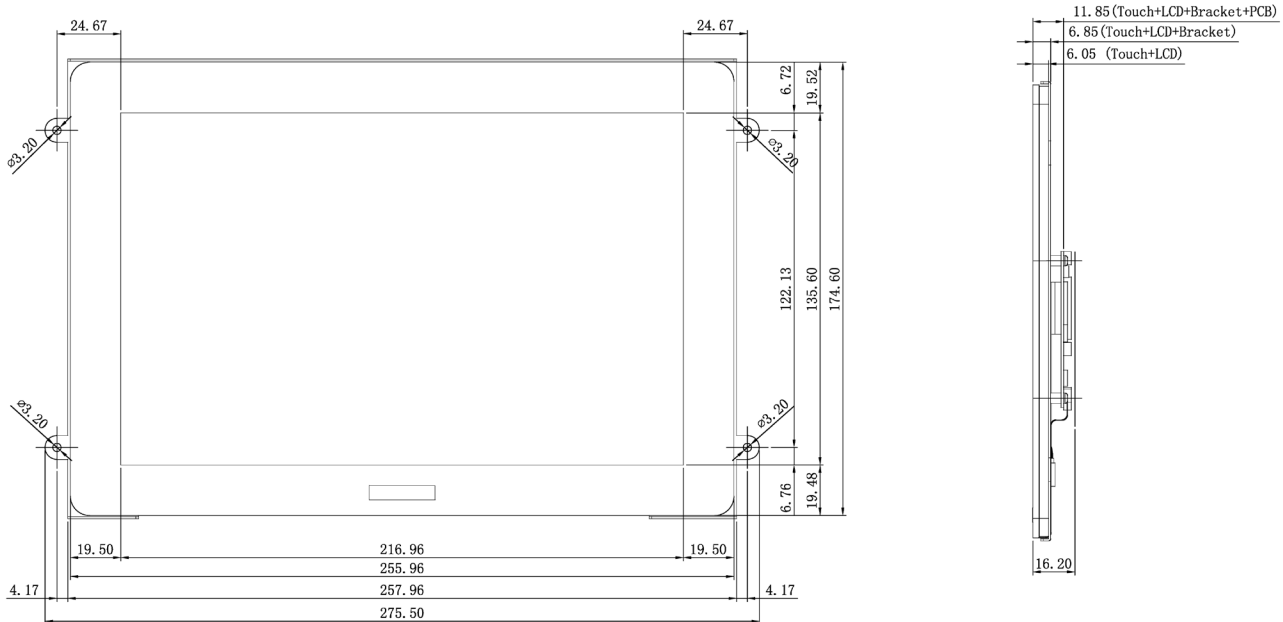


UM-1080CH-OF

# 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 <sup>2</sup>	(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	$\theta_{x+}$	80	85	-	Deg.	(1), (5), (7)	
		$\theta_{x-}$	80	85	-			
	Vertical	$\theta_{y+}$	80	85	-			
		$\theta_{y-}$	80	85	-			
White Variation of 5 Points	$\delta W_{5p}$	$\theta_x=0^\circ, \theta_y=0^\circ$	80	90	-	%	(5), (6), (7)	

# Dimensions and Mechanical Specifications



**Mimo Monitors**  
 743 Alexander Rd. Suite 15  
 Princeton, NJ 08540

info@mimomonitors.com  
 Sales: 1-855-YES-MIMO (937-6466)