OM Series

Open Frame
Industrial Touch Monitor



AUO Display+

Features

- 7"/12.1"/15"/17"/19" Fullscreen & 10.1"/15.6"/18.5"/21.5"/23.8"/27"/32"/43" Widescreen LCD Panels with LED Backlight, up to 50,000 Hours
- 10-Point PCAP Touchscreen
- Anti-Fingerprint Surface
- Wide Viewing Angles for Portrait & Landscape Modes
- IP-Rated Water & Dust Protection
- Wall / Panel / VESA Mount Support

Optional Accessories

Adapter 12V 60W Power Adapter
P/N:31-62156-1010-A0 (for OM-070 – OM-270)

Mounting kit (panel mount)
P/N: 33-50003-0000-A0

Touch Cable (USB Type B)
P/N: 30-01012-0000
(USB2.0 Type-A (M) to USB2.0 Type-B, 1M)

Ordering Information

- OM-070, P/N: 93-P6000-0020
- OM-101, P/N: 93-P6000-2040
- OM-121, P/N: 93-P6000-5020
- OM-150, P/N: 93-P6000-D020
- OM-156, P/N: 93-P6000-6030
- OM-170, P/N: 93-P6000-E020
- OM-185, P/N: 93-P6000-8050
- OM-190, P/N: 93-P6000-F020
- OM-215, P/N: 93-P6000-B040
- OM-215H, P/N: 93-P6000-B110
- OM-238, P/N: 93-P6000-G050
- OM-270, P/N: 93-P6000-H040
- OM-320SHV, P/N: 93-P6000-J21E
- OM-430SV, P/N: 93-P6000-K12E

Clip Requirement

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Specifications (Fullscreen Models)







Model Name	OM-070	OM-121	OM-150	OM-170	OM-190
Display					
Size	7-inch	12.1-inch	15-inch	17-inch	19-inch
Resolution	800 x 480	1024 x 768 (XGA)	1024 x 768 (XGA)	1280 x 1024	1280 x 1024
Aspect Ratio	5:3	4:3	4:3	5:4	5:4
Color	16.7M				
Brightness	400 nits	400 nits	240 nits	300 nits	300 nits
Backlight Life (Hours)	50,000				
Viewing Angle (U/D/R/L)	89/89/89/89	70/70/80/80	70/70/80/80	80/80/85/85	80/80/85/85
Contrast Ratio	1300:1	700:1	800:1	1000:1	1000:1
Touchscreen	10-point, PCAP, Anti-fingerprint coating				
Bonding	Air Bonding				
I/O					
USB Port	USB Type B (for touch)				
Video	1x HDMI, 1x VGA				
Audio	w/o Audio				
Environmental					
Operating Temperature	-20˚C – 70˚C	-20˚C – 70˚C	0˚C – 60˚C	0˚C – 50˚C	-20˚C – 70˚C
Storage Temperature	-20˚C – 70˚C	-20˚C – 70˚C	-10˚C – 60˚C	-20˚C – 60˚C	-20˚C – 70˚C
Humidity	10% to 80% @ 40°C (non-condensing)				
Surface Hardness	7H				
Vibration	Operating: 1G random 5 to 500Hz				
Shock	Operating: 20G acceleration part to part, 11ms				
IP Rating	Front IP65				
Certifications & Compliance	CE/FCC				
Power Input	DC 12V 5A Max.				
Power Consumption	3.7W	7.4W	8.1W	16W	16W
Mechanical					
Net Weight / Gross Weight	0.9kg / 1.4kg	2.02kg / 2.52kg	2.8kg / 3.3kg	3.5kg / 4.0kg	4.2kg / 4.7kg
Packing Dimensions (H x W x D mm)	375 x 243 x 180	415 x 383 x 180	465 x 418 x 180	555 x 508 x 180	
Mounting	Panel Mount Only	VESA Mount (MIS-D 75mm x 75mm, 100mm x 100mm) Panel and Wall Mount			

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Specifications (Widescreen Models)



Model Name	OM-101	OM-156	OM-185	OM-215	OM-238	OM-270
Display						
Size	10.1-inch	15.6-inch	18.5-inch	21.5-inch	23..8-inch	27-inch
Resolution	1280 x 800	1920 x 1080				
Aspect Ratio	16:10	16:9				
Color	16.7M					
Brightness	300 nits	300 nits	300 nits	300 nits	200 nits	240 nits
Backlight Life (Hours)	50,000				30,000	40,000
Viewing Angle (U/D/R/L)	89/89/89/89					
Contrast Ratio	800:1	1000:1	1000:1	1000:1	3000:1	3000:1
Touch Screen	10-point, PCAP, Anti-fingerprint coating					
Bonding	Air Bonding					
I/O						
USB Port	USB Type B (for touch)					
Video	1x HDMI, 1x VGA					
Audio	w/o Audio					
Environmental						
Operating Temperature	-20˚C – 70˚C	-20˚C – 70˚C	0˚C – 70˚C	0˚C – 60˚C	0˚C – 50˚C	0˚C – 50˚C
Storage Temperature	-20˚C – 70˚C	-20˚C – 70˚C	-20˚C – 70˚C	-20˚C – 60˚C	-20˚C – 60˚C	-20˚C – 60˚C
Humidity	10% to 80% @ 40°C (non-condensing)					
Surface Hardness	7H					
Vibration	Operating: 1G random 5 to 500Hz					
Shock	Operating: 20G acceleration part to part, 11ms					
IP Rating	Front IP65					
Certifications & Compliance	CE/FCC					
Power Input	DC 12V 5A Max.					
Power Consumption	5.7W	13.9W	20W	25.4W	17.5W	23.8W
Mechanical						
Net Weight / Gross Weight	1.8kg / 2.3kg	2.9kg / 2.5kg	4.2kg / 5.2kg	4.8kg / 6.0kg	6.2kg / 7.5kg	7.5kg / 8.0kg
Packing Dimensions (H x W x D mm)	420 x 352 x 176	620 x 440 x 176	620 x 440 x 176	620 x 440 x 176	700 x 493 x 170	780 x 543 x 175
Mounting	VESA Mount (MIS-D 75mm x 75mm, 100mm x 100mm) Panel and Wall Mount					

Specifications (Widescreen Model with High Brightness)



Model Name	OM-215H
Display	
Size	21.5-inch
Resolution	1920 x 1080
Aspect Ratio	16:9
Color	16.7M
Brightness	1,200 nits
Backlight Life (Hours)	50,000
Viewing Angle (U/D/R/L)	89/89/89/89
Contrast Ratio	1000:1
Touch Screen	10-point, PCAP, Anti-fingerprint coating
Bonding	Air Bonding
I/O	
USB Port	USB Type B (for touch)
Video	1x HDMI, 1x VGA
Audio	w/o Audio
Environmental	
Operating Temperature	-10˚C – 60˚C
Storage Temperature	-20˚C – 60˚C
Humidity	10% to 80% @ 40°C (non-condensing)
Surface Hardness	7H
Vibration	Operating: 1G random 5 to 500Hz
Shock	Operating: 20G acceleration part to part, 11ms
IP Rating	Front IP65
Certifications & Compliance	CE/FCC
Power Input	DC 12V 5A Max.
Power Consumption	41.2W
Mechanical	
Net Weight / Gross Weight	5.1kg / 5.6kg
Packing Dimensions (H x W x D mm)	620 x 440 x 176
Mounting	VESA Mount (MIS-D 75mm x 75mm, 100mm x 100mm), Panel and Wall Mount

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Specifications (Widescreen Models 24V)





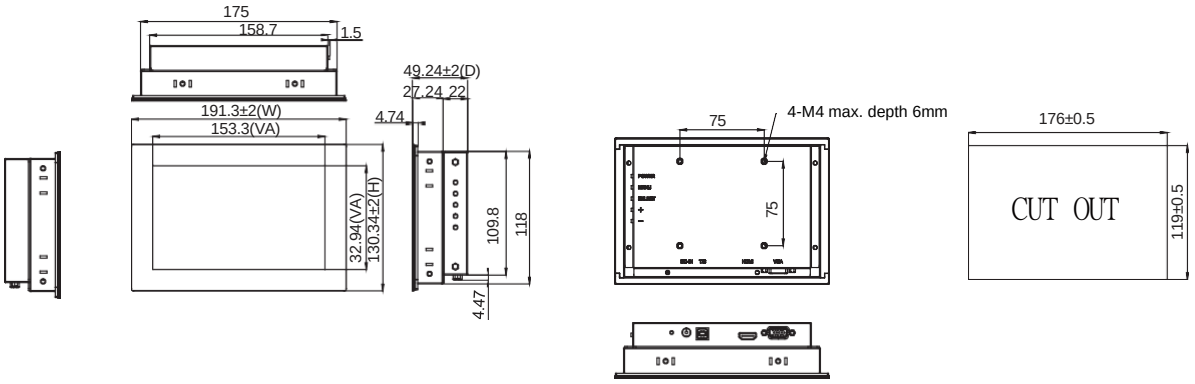
Model Name	OM-320**SHV**	OM-430**SV**
Display		
Size	32-inch	43-inch
Resolution	1920 x 1080	3840 x 2160
Aspect Ratio	16:9	
Color	16.7M	
Brightness	800 nits	400 nits
Backlight Life (Hours)	50,000	
Viewing Angle (U/D/R/L)	89/89/89/89	
Contrast Ratio	1200:1	1200:1
Touch Screen	10-point, PCAP, Anti-fingerprint coating	
Bonding	Air Bonding	
I/O		
USB Port	USB Type B (for touch)	
Video	1x HDMI, 1x VGA, 1x DVI, 1x DP	2x HDMI, 1x DP, 1x USB
Audio	w/o Audio	
Environmental		
Operating Temperature	-10˚C – 60˚C	
Storage Temperature	-20˚C – 70˚C	
Humidity	10% to 80% @ 40°C (non-condensing)	
Surface Hardness	7H	
Vibration	Operating: 1G random 5 to 500Hz	
Shock	Operating: 20G acceleration part to part, 11ms	
IP Rating	Front IP65	N/A
Certifications & Compliance	CE/FCC	
Power Input	DC 24V 5A Max.	
Power Consumption	40.1W	60.6W
Mechanical		
Net Weight / Gross Weight	11.8kg / TBD	26kg / 26.9kg
Packing Dimensions (H x W x D mm)	905 x 616 x 195	1200 x 821 x 214
Mounting	200mm x 200mm (M6), M4 Rear Mount x12	VESA Mount 200mm x 200mm (M6), M4 Rear Mount x8

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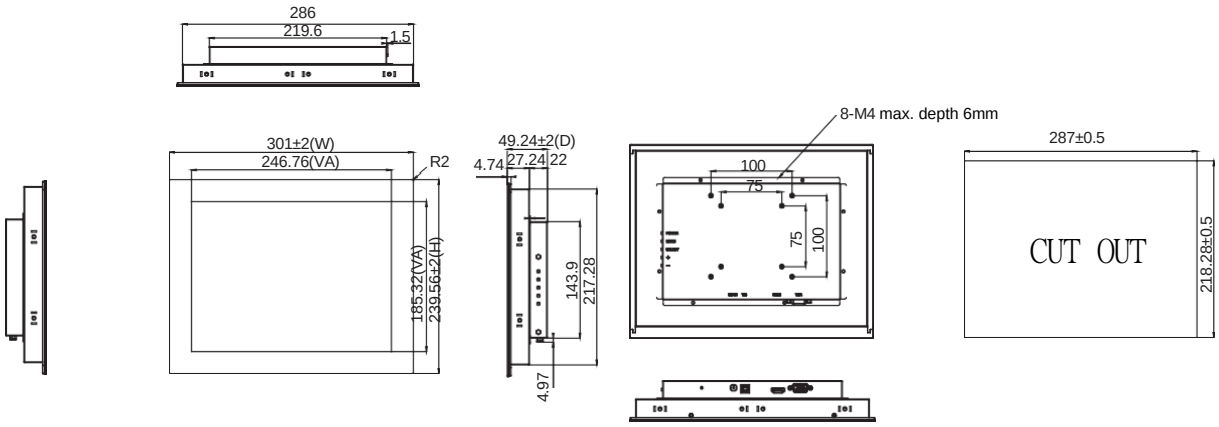
Mechanism Diagram (Fullscreen Models – 7” / 12.1”/ 15”)

OM-070

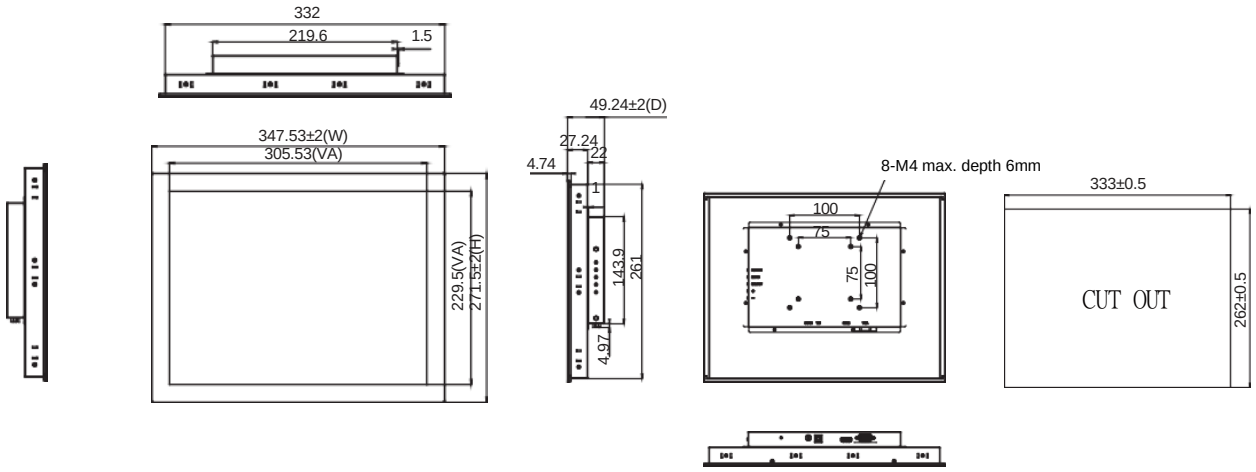
Unit: mm



OM-121



OM-150

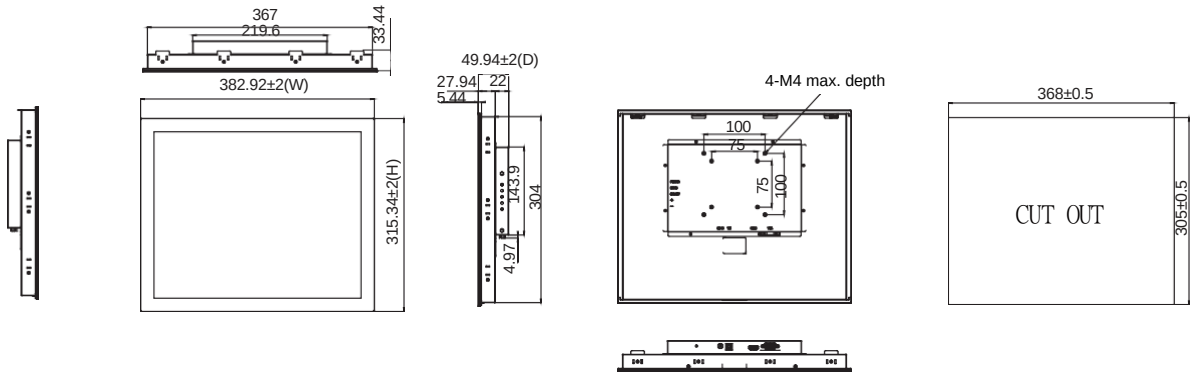


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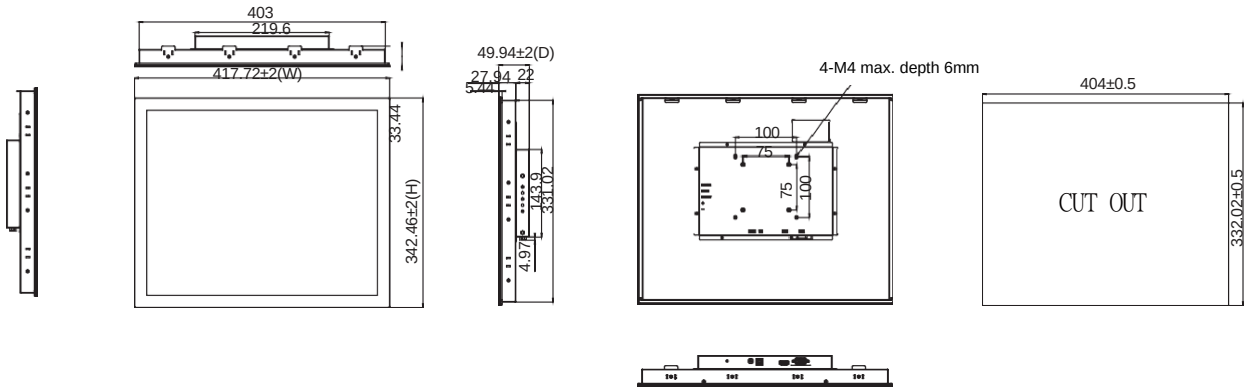
Mechanism Diagram (Fullscreen Models – 17” / 19”)

OM-170

Unit: mm



OM-190

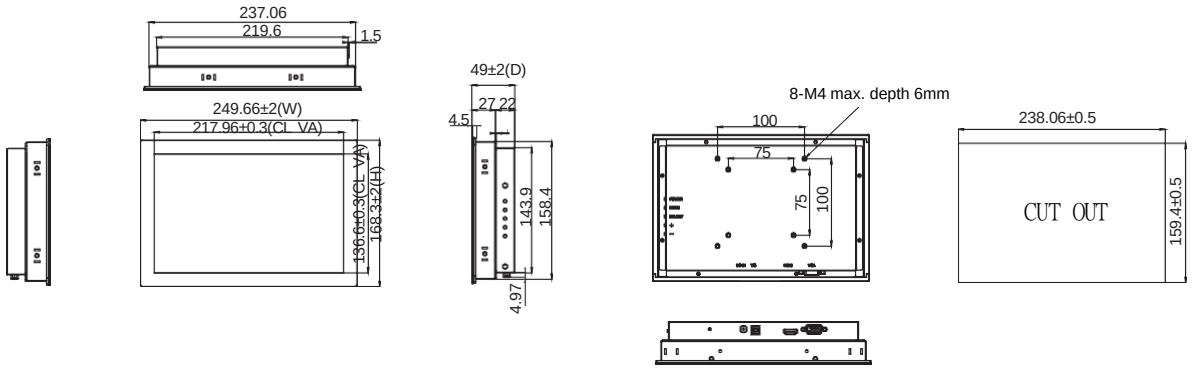


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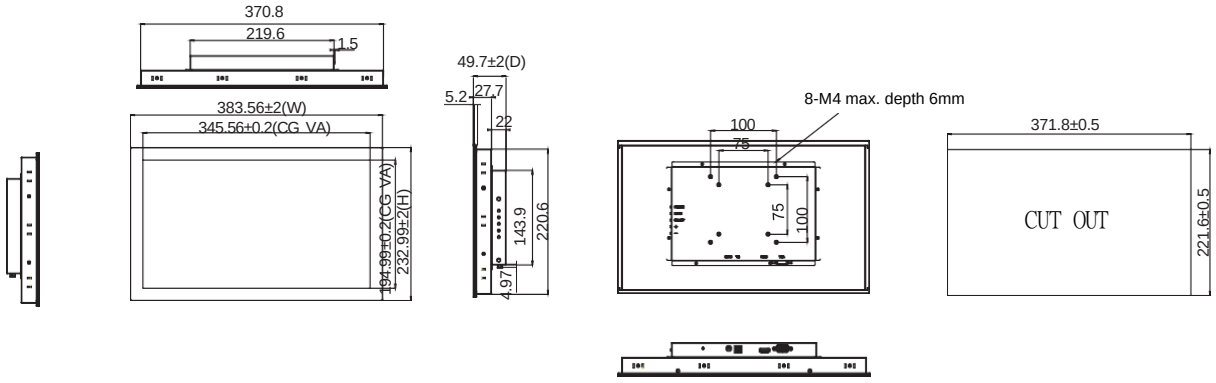
Mechanism Diagram (Widescreen Models – 10.1” / 15.6” / 18.5”)

OM-101

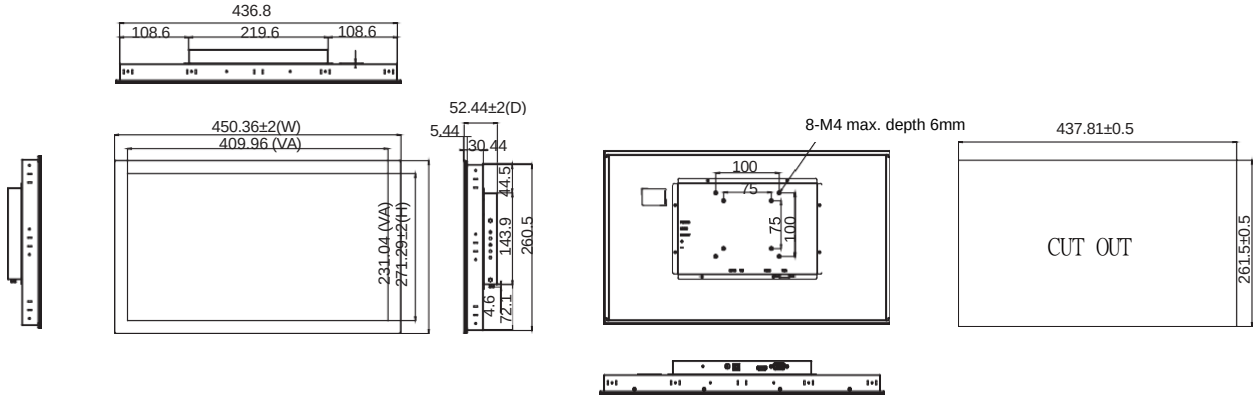
Unit: mm



OM-156



OM-185

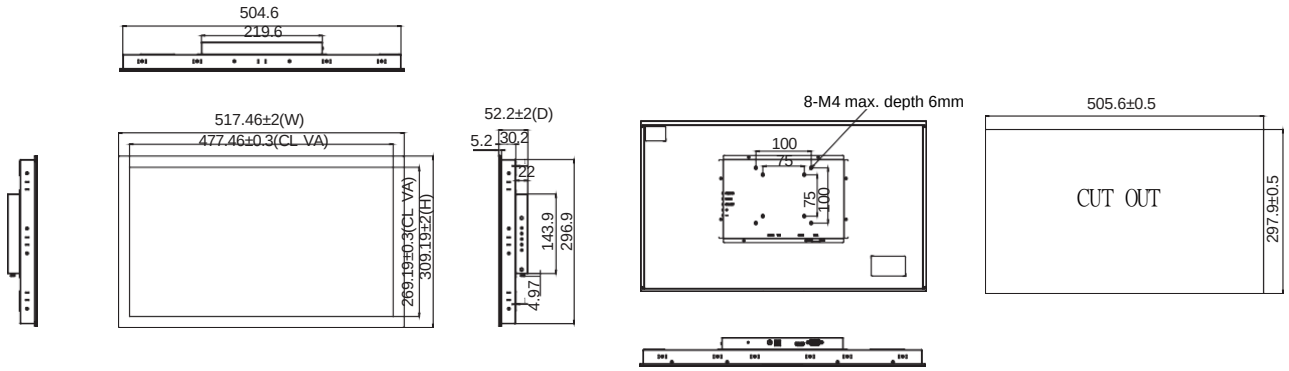


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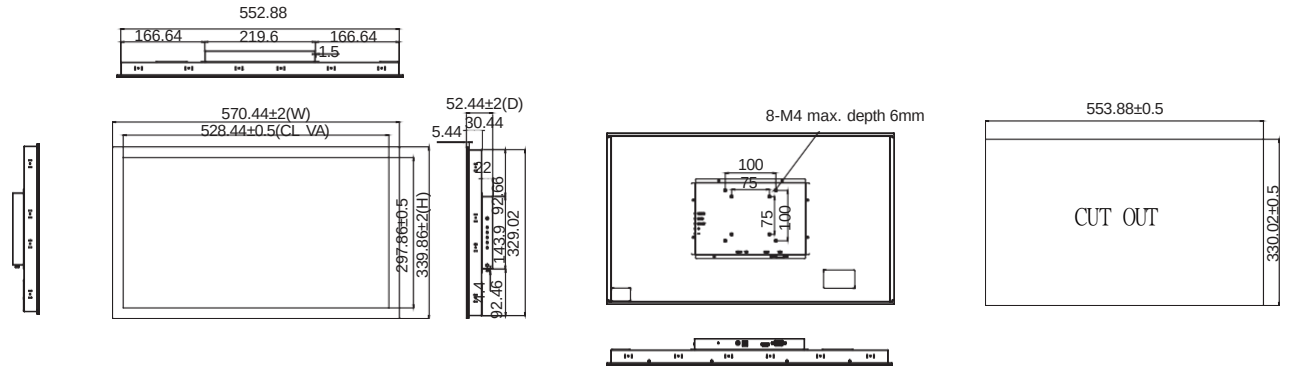
Mechanism Diagram (Widescreen Models – 21.5” / 23.8” / 27”)

OM-215

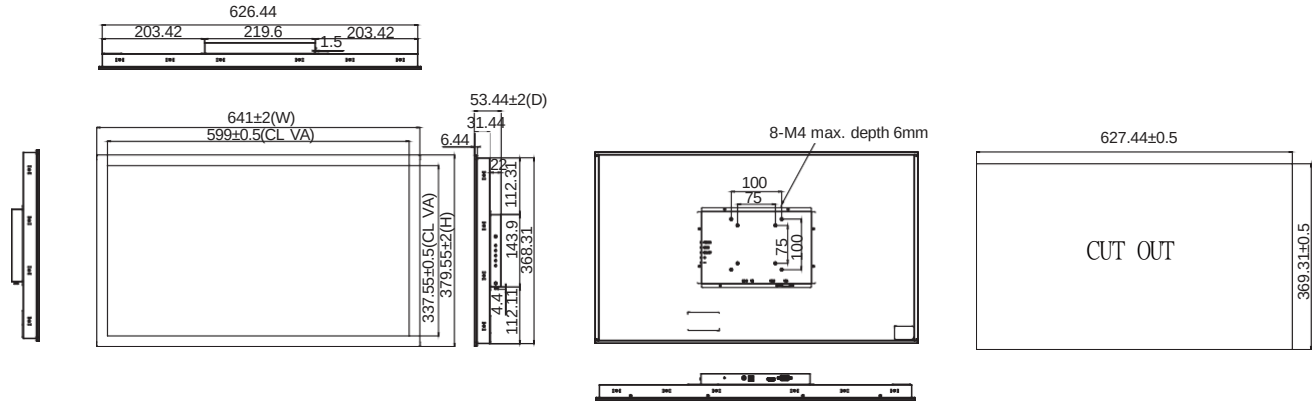
Unit: mm



OM-238



OM-270

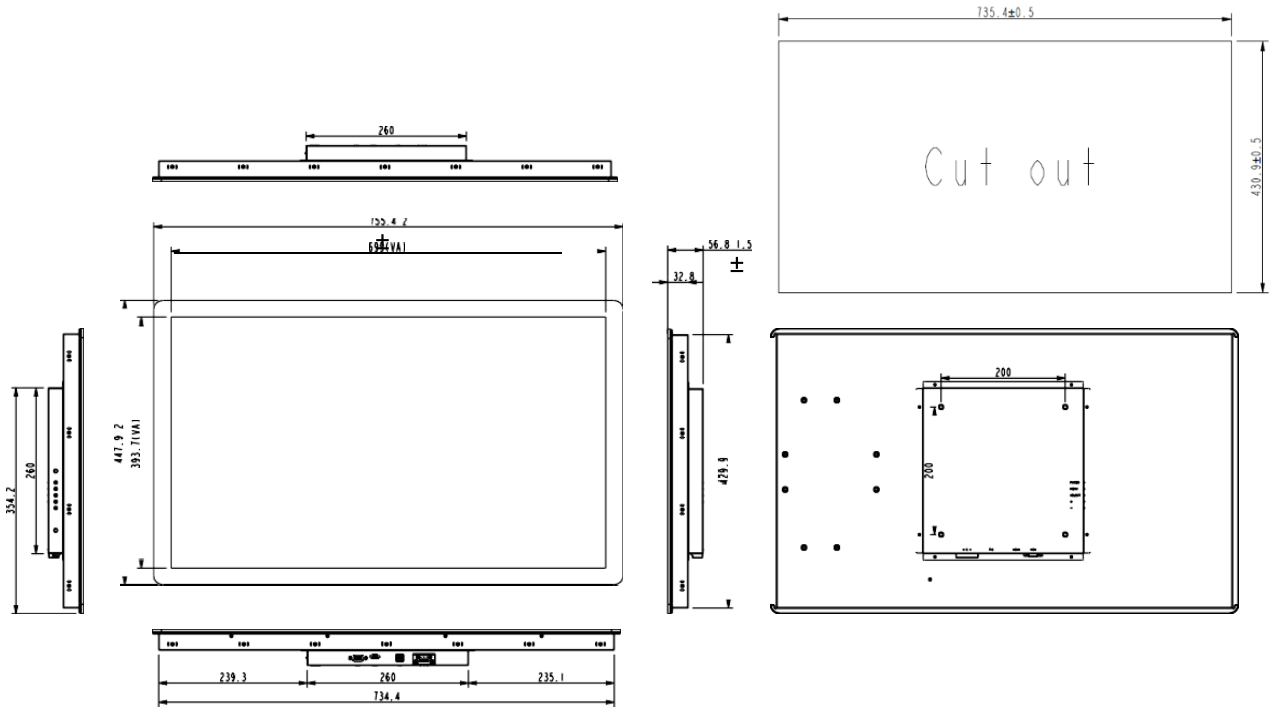


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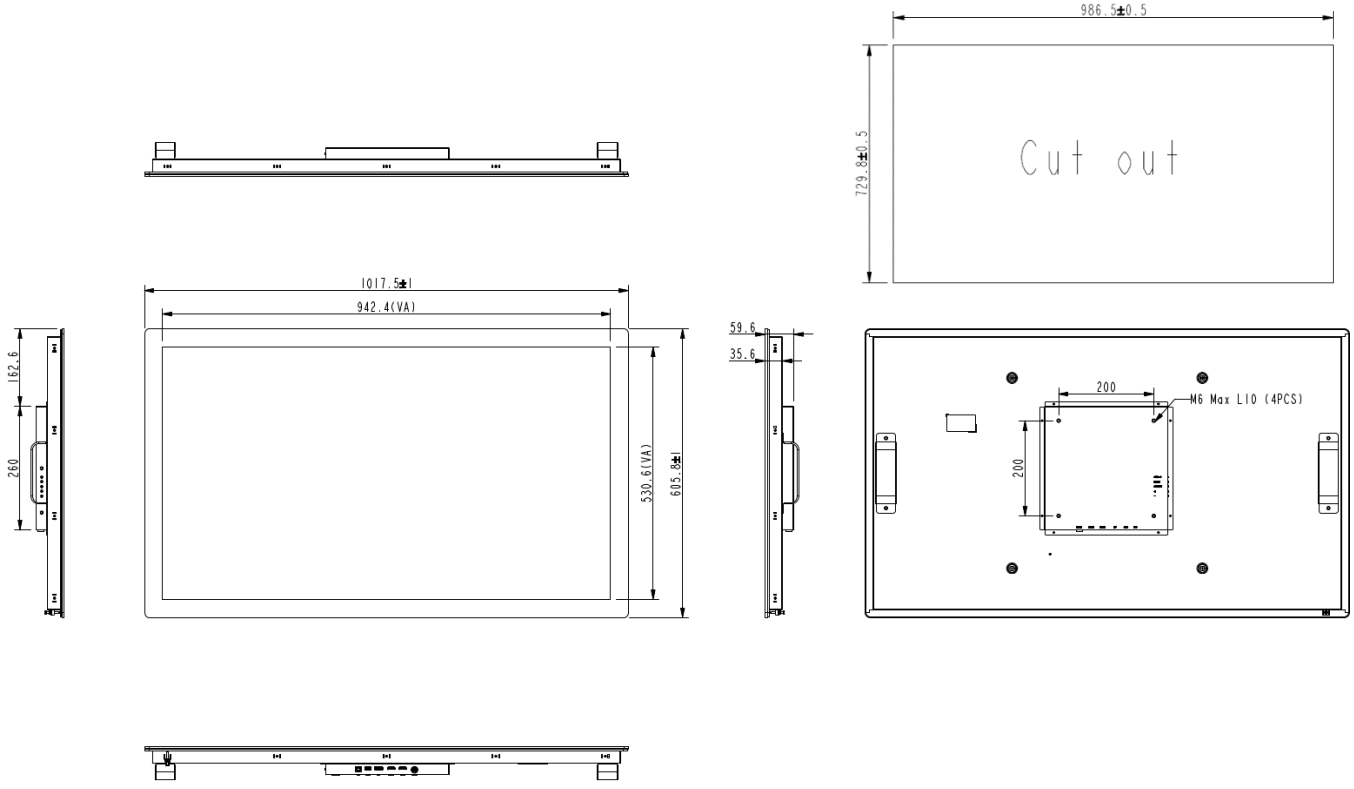
Mechanism Diagram (Widescreen Model 24V – 32” / 43”)

OM-320SHV

Unit: mm



OM-430SV



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