



AW

Datasheet

AW | Multi-Touch Screen System

DYNICS AW is a complete interactive display that can be wall or stand mounted. Designed with infrared; up to 20-points of touch, the infrared sensor technology can be combined with an optional integrated PC to create a flexible system that can be built to fit any consumer needs.

Key Features

- 100~240VAC
- Rugged Steel Structure
- Portrait / Landscape Orientation
- Optional:
 - Integrated Computer
 - Soundbar
- Up to 20-Points of Touch
- Finish Options and Customizable Peripherals

Display Specifications

Size	Resolution	View Angle	Contrast	Brightness	Aspect Ratio
32"	FHD 1920 x 1080	H: -89°/+89°, V: -89°/+89°	3000:1	360 nits	16:9
42"	FHD 1920 x 1080	H: -89°/+89°, V: -89°/+89°	4000:1	500 nits	16:9
46"	FHD 1920 x 1080	H: -89°/+89°, V: -89°/+89°	4000:1	500 nits	16:9
55"	FHD 1920 x 1080	H: -89°/+89°, V: -89°/+89°	4000:1	400 nits	16:9
75"	4K 3840 x 2160	H: -89°/+89°, V: -89°/+89°	4000:1	400 nits	16:9
Lens	Infrared Up to 20-Points (Touch Screen) / Laminated Glass <small>The touch connection is through A – A USB cable; a 6 ft. cable is included with a monitor only.</small>				
LED Life	50,000 Hour Backlight Half-Life				
Enclosure	Powder Coat Finish / Black Color Standard / Custom Colors Available				
PC Specifications	32" / 42" / 46" / 55" / 75"		32" / 42" / 46" / 55"		75"
Motherboard	MINI-ITX Q170		ProAV (Monitor Only)		Pro4K (Monitor Only)
I/O	1x 1Gb Ethernet Port (Supporting Intel® AMT™) 1x 1Gb Ethernet Port 1x RS232 Port 4x USB 3.0 Ports 4x USB 2.0 Ports 2x PS/2 Ports (Keyboard & Mouse) 1x DVI-D Port 2x DisplayPorts V1.2 2x Audio Jacks (Mic-In/Line-Out)		1x HDMI Port 1x DisplayPort 1x VGA Port 1x Audio Jack (Line-In) 1x Remote Control		4x HDMI Ports 1x DisplayPort 1x Remote Control
CPU	6th Gen Intel® Core™ i5 6500TE / i7 6700TE		N/A		N/A
CPU Speed	i5 – 2.3GHz Base, 3.3GHz Turbo (4 Cores, 4 Threads) i7 – 2.4GHz Base, 3.4GHz Turbo (4 Cores, 8 Threads)		N/A		N/A
Memory	Up to 32GB DDR4		N/A		N/A
Power Supply	100~240VAC Power Entry				
Storage	240GB – 2TB SATA SSD / 1TB HDD				
Operating System	- Windows® 7 Embedded Standard (64-bit) - Windows® 7 Professional (64-bit) - Windows® 10 Enterprise IoT LTSB 2016 (64-bit)				
Temperature	Operating: 0° - 50°C (32° - 122°F) Non-Operating: -25° - 60°C (-13° - 140°F)				
Relative Humidity	Non-Condensing: 20% - 80%				
Compliance	European Union Directive 2011/65/EU (RoHS)				
Warranty	24-Month limited warranty. Extended warranty available, contact DYNICS for details.				





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Dimensions, Weight and Power Consumption

	32"	42"	46"	55"	75"
Height	18.145" (460.9mm)	23.395" (594.2mm)	25.333" (643.5mm)	29.565" (750.9mm)	TBD
Width	30.145" (765.7mm)	39.394" (1000.6mm)	42.833" (1087.9mm)	50.408" (1280.4mm)	TBD
Depth	3.952" (100.4mm)	3.991" (101.4mm)	3.790" (96.3mm)	3.960" (100.5mm)	TBD
Weight	68 lbs.*	88 lbs.*	102 lbs.*	136 lbs.*	TBD
	32"	42"	46"	55"	75"
Power Consumption					
Integrated PC	125 Watts**	160 Watts**	190 Watts**	175 Watts**	255 Watts**
ProAV (Monitor Only)	70 Watts**	100 Watts**	130 Watts**	150 Watts**	N/A
Pro4K (Monitor Only)	N/A	N/A	N/A	N/A	230 Watts**

*Weights are approximate, contact DYNICS for details.

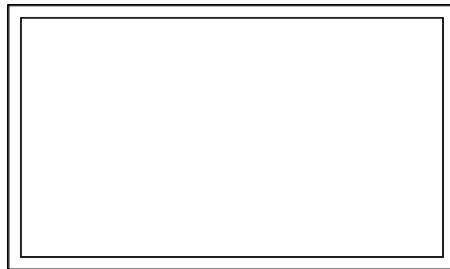
**Power Consumption based on maximum ratings, actual ratings vary significantly based on components used.

Mechanical Drawings

Left Side View (Portrait)



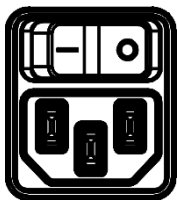
Front View (Landscape)



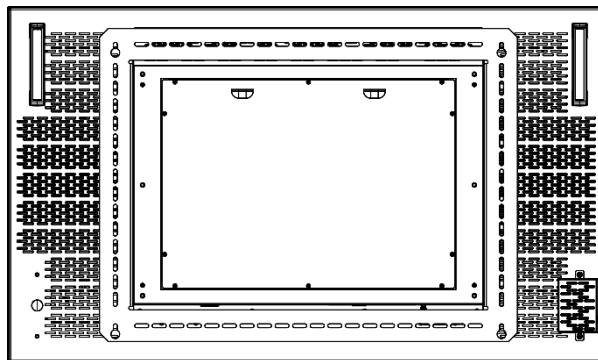
Right Side View (Landscape)



Power Entry 100~240VAC



Back View (Landscape)



All measurements are in inches and pounds, unless noted. Pictures and drawings are not to scale. Estimated weight may change depending on options. DYNICS reserves the right to change, modify, upgrade, or discontinue any part of this datasheet without any prior notice.

