



HSW

Datasheet

HSW | Enclosed Unit with Integrated PC

DYNICS HSW is a high end IP67 enclosed computer monitor designed to withstand ambient pollutants and water. Equipped with a resistive touch screen overlay and 4 Core Braswell Processor, this fan-less system is phenomenal for food grade applications in caustic environments.



Key Features

- NEMA 4X Stainless Steel 316 Food Grade
- VESA/Wall Mount Bracket Mount System with up to 20° Tilt
- 24VDC (4-Pin)
- Touch Screen

Display Specifications

Size	Resolution	View Angle	Contrast	Brightness	Aspect Ratio
15.6"	FHD 1920 x 1080	H: -80°/+80°, V: -80°/+80°	800:1	600 nits	16:9
18.5"	FHD 1920 x 1080	H: -85°/+85°, V: -85°/+85°	1500:1	400 nits	16:9
Lens	Resistive Touch Screen Overlay				
LCD Life	50,000 Hour Backlight Half-Life				
Enclosure	NEMA 4X Stainless Steel 316 Food Grade / IP67				

PC Specifications

Motherboard	Braswell
I/O	2x 1Gb Ethernet Ports 2x USB 2.0 Ports
Ethernet Port	X-Coded M12 Ethernet Connector
CPU	Braswell
CPU Speed	1.6GHz Base, 2.24GHz Turbo (4 Cores, 4 Threads)
Memory	4GB DDR3 / 8GB DDR3
Power Supply	24VDC (4-Pin) Power Entry
Storage	240GB SATA SSD / 480GB SATA SSD / 960GB SATA SSD / 1.92TB 2.5" SATA SSD
Operating System	- Windows® 7 Professional (64-bit) - Windows® 7 Embedded Standard (64-bit) - Windows® 10 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%
Shock	Operating: 10G Non-Operating: 15G
Vibration	Operating: 1.0G from 57~2000Hz Non-Operating: 2.5G from 57~2000Hz
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

	15.6"	18.5"
Height	13.773" (349.8mm)	13.709" (348.2mm)
Width	18.479" (469.4mm)	20.997" (533.3mm)
Depth	3.393" (86.2mm)	3.393" (86.2mm)
Weight	25 lbs.*	28 lbs.*
Power Consumption	TBD	TBD

*Weights are approximate, contact DYNICS for details.

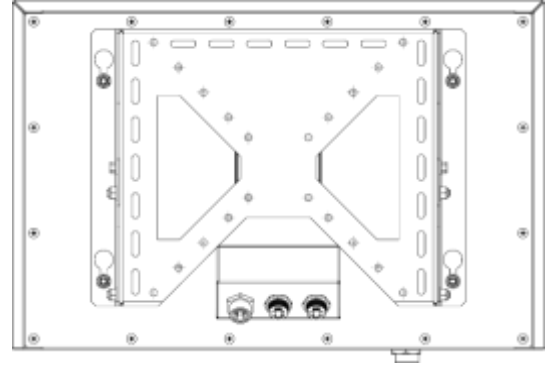
**Power Consumption based on maximum ratings, actual ratings vary significantly based on components used.

Mechanical Drawings

Front View



Back View

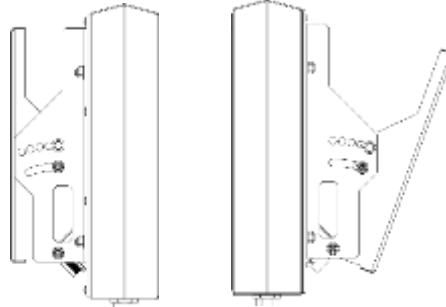


Power Entry (4-Pin) 24VDC

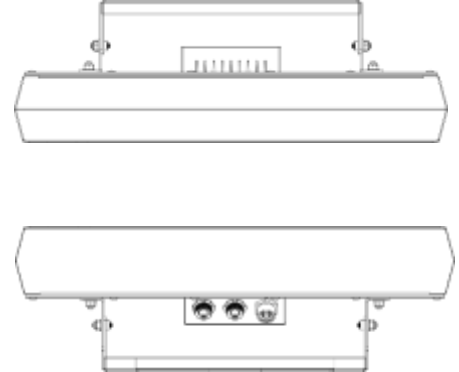


- 1 0VDC
- 2 0VDC
- 3 +24VDC
- 4 +24VDC

Side View



Top and Bottom View



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.

