Industrial Panel Mount Monitors and Touchscreen

17″, 19″, 20″ and 22″ Rugged Panel Mount LCD Monitor with Touch screen and NEMA 12/4/4X Rated

(Model: HPM17, HPM19, HPM20 and HPM22)

3 YEAR WARRANTY

Features:

- 17", 19", 20", or 22" active-matrix display
- NEMA 4/12 or NEMA 4/4X/12
- UL Rated for Hazardous Locations: Class I, II, III, Division 2, Groups A, B, C, D, F, G (optional for 17" and 19" only)
- High resolution, high brightness and contrast
- Long-life backlights – up to 50,000 hours to half brightness
- Touchscreen, Safety Glass, and Acrylic window options
- Only 1.6" to 2.39" deep
- Black Carbon Steel and Stainless Steel faceplates
- Panel mount without drilling stud holes
- 6 ft. cables included (optional to 1000 ft.)
- Industrial Certifcations: UL 508A, UL 50E, FCC Class A, RoHS, CE

Product Description:

The HPM Panel Mount Industrial LCD Monitors have been designed to provide the industrial user with superior picture quality and practical features housed in a rugged industrial enclosure, which will assure reliable operation in most factory environments.

With depths of only 1.6" to 2.39", these Panel Mount Monitors easily ft into tight spaces. High-resolution displays ofer the industrial user the optimal trade-of between screen size and cost.

About iTech

iTech provides industrial fat panel monitors and touchscreens that have superior quality and up-to-date features that are relevant to industrial applications.

We house this advanced technology in a variety of rugged enclosures that allow the user to put their displays wherever they are needed in the factory. We assure our customers of high reliability over time and back it up with an industry-leading warranty.

We provide all of these benefts at a price that is signifcantly less than comparable industrial oferings. And fnally, we ofer the best sales, support and service in the industry:

- 3-year limited warranty on all monitors
- 24-48-hour repair turnaround (most models)
- Same day shipment lead time (most models)
- 30-day money-back guarantee

Optional Accessories:

(see detailed configuration guide or consult factory for ordering numbers)

- Industrial Panel Mount Keyboards (NEMA 4X rated)
- Screen protectors (all sizes)
- Extended cable options up to 1000'
- KVM Extenders

RoHS CE FC

Rear view of 19" Panel Mount monitor.

Panel Mount workstation configuration with monitor and industrial keyboard.

Optional KVM Extender allows monitor to be placed up to 1000' away from computer.

Optional Screen Protector guards touchscreens from scratches and wear.

Specifications:

Model Nos.	HPM17	HPM19	HPM20	HPM22
Display				
Type	Thin-flm transistor (TFT) Active Matrix Liquid Crystal			
Size	17" diagonal	19" diagonal	20" diagonal	22" diagonal
Image Size (W x H)	338 x 270 mm (13.3" x 10.6")	376 x 301 mm (14.8" x 11.9")	408 x 306 mm (16.1" x 12.1")	474 x 296 mm (18.7" x 11.7")
Native Resolution*	SXGA (1280 x 1024 @ 60 Hz)		UXGA (1600 x 1200 @ 60 Hz)	WSXGA+ (1680 x 1050 @ 60
Aspect Ratio	5:4		4:3	16:10
Pixel Pitch	0.264 mm x 0.264 mm	0.294 mm x 0.294 mm	0.255 x 0.255 mm	0.282 x 0.282 mm
Number of Colors	16.7 million	16.8 million	16.7 million	
Brightness (white)	250 nits (cd/m²)	300 nits (cd/m²)		
Viewing Angle (Hori/Vert)	160° / 160°	170° / 160°	178° / 178°	170° / 160°
Contrast Ratio, Backlights	1000:1, 2 CCFTs, 50,000 hours	1000:1, 4 CCFTs, 50,000 hours	800:1, 6 CCFTs, 45,000 hours	1000:1, 4 CCFTs, 50,000 hours
Video				
Input Connectors**	HD-15	HD-15, DVI-D		
Input Signal Formats***	RGB Analog, Separate H/V sync	RGB Analog, Separate H/V, Combined sync, Sync on Green,		RGB Analog, Separate H/V,
Horizontal / Vertical Scan	24-82 kHz / 50-75 Hz	30-82 kHz / 50-75 Hz	28-83 kHz / 56-85 Hz	24-82 kHz / 50-85 Hz
Response Rate	5 ms		8 ms	5 ms
Electrical				
Monitor Input	120/240 VAC, 1.5/0.75 A, 60/50 Hz	120/240 VAC, 1.2/0.6 A, 60/50 Hz	120/240 VAC, 0.8/0.6 A, 60/50 Hz	120/240 VAC, 1.5/0.75 A, 60/50 Hz
Power Consumption	~21 W	~34 W	~58 W	~45 W
Environmental				
Temperature	0° to 50°C (32° to 122°F)			
Humidity	20% to 90% non-condensing			
Operating Shock	15 g, 6 msec, half-sine	25 g, 6 msec, half-sine		15 g, 6 msec, half-sine
Vibration	Operating (sine): 1.0 g, swept sine 9-500 Hz; Transport (random): 0.1g2 Hz, 10-200 Hz; 0.03g2 / Hz, 200-2000 Hz			
Altitude	Operating: up to 10,000 ft; Non-operating: up to 40,000 ft			
Physical				
Enclosure Type	Panel mount; rear collar compresses gasket against panel (5/16" maximum panel thickness); held by M5 studs			
Enclosure Rating	Black Powder-Coated Steel: NEMA/UL Type 12/4; IP65/IP66 rated Stainless Steel: NEMA/UL Type 12/4/4X; IP65/IP66 rated			
Depth behind Panel	52.5 mm (2.07")	54.5 mm (2.15")	60.7 mm (2.39")	51.8 mm (2.04")
Front Bezel Outside Dimensions (W x H x D)	437.8 mm x 353.6 mm x 7.1 mm (17.24" x 13.92" x 0.28")	482.6 mm x 398.8 mm x 7.1 mm (19.0" x 15.7" x 0.28")		558.8 mm x 374.7 mm x 7.1 mm (22.0" x 14.75" x 0.28")
Cutout Dimensions (W x H)	406.9 mm x 323.1 mm (16.02" x 12.72")	453.4 mm x 366.8 mm (17.85" x 14.44")		528.7 mm x 342.3 mm (20.81" x 13.48")
Net / Shipping Weight	16 lbs. / 19 lbs.	18 lbs. / 22 lbs.	22 lbs. / 25 lbs.	19 lbs. / 23 lbs.
Touchscreen Option	5-wire resistive system: emulates a mouse; Serial RS-232 or USB interface to host computer			
Compliances and Certifcations				
Electrical	UL 60950-1 / cUL Recognized Component, UL 508A, FCC Class A, CE		UL 508A, FCC Class A	
Enclosure, Environmental	UL 50E, RoHS (Hazardous Substances), IEC 60721-3 (Reliability), WEEE (Registration No. WEE/DJ1859ZX for UK only)			
Hazardous Location (optional for 17"/19" only)	Listed Class I, Division 2, Groups A, B, C, D; Recognized Class II, III, Division 2, Groups F, G		N/A	N/A