

# Rack Mount Monitors and Touchscreens

NEMA 1  
15"/17"/19"

**Model: HRM1500, HRM1700, HRM1900**



## Product Description

The iTech Rack Mount Industrial LCD Monitors have been designed to provide the industrial user with superior picture quality and practical features housed in a rugged rackmountable enclosure. With heights of only 6U (15" display) and 8U (17" and 19" display), and depths of only 2.0" to 2.3" behind the bezel, these Rack Mount monitors provide maximum screen area using minimum rack space. A high-resolution display offers the user the optimal trade-off between screen size and cost.

## Features

- 15", 17", or 19" active-matrix LCD
- NEMA 1 enclosure rating
- UL Rated for Hazardous Locations: Class I, Division 2, Groups A, B, C, D (optional for 17" and 19" only)
- Black Powder-Coated Carbon Steel Faceplate
- High resolution, high brightness and contrast
- Long-life backlights – 50,000 hour brightness half-life
- Touchscreen, Safety Glass, and Acrylic window options
- Only 2.0" to 2.3" deep (behind bezel)
- Fits standard EIA 19" rack
- 6 ft. cables included (optional to 1000 ft.)
- Industrial Certifications: UL 508A, UL 50E, CE, FCC Class A, UL 60950 3rd Edition / cUL Recognized Component, RoHS

## About i-Tech

H.I.S. provides industrial flat 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.



RoHS

CE

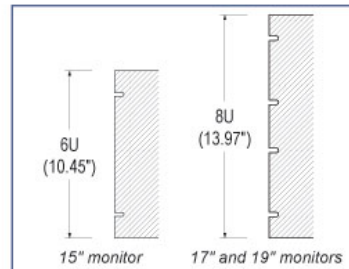
FCC



Rear view of 15" Rack Mount monitor.



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



Panel heights for HIS Rack Mount monitors.



Optional Screen Protector guards touchscreens from scratches and wear.

## Optional Accessories

- Industrial Keyboards
- Screen protectors (all sizes)
- Extended cable options up to 1000'
- KVM Extenders

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



i-Tech Company LLC  
TOLL FREE: (888) 483-2418 • EMAIL: [info@itechlcd.com](mailto:info@itechlcd.com) • WEB: [www.iTechLCD.com](http://www.iTechLCD.com)

Model: HRM819TR



## Rack Mount Industrial Monitors and Touchscreens: Specifications

Model Numbers:	HRM1500	HRM1700	HRM1900
<b>Display</b>			
Type	Thin-film transistor (TFT) Active Matrix Liquid Crystal		
Size	15" diagonal	17" diagonal	19" diagonal
Image Size (W x H)	304 mm x 228 mm (12.0" x 9.0")	338 mm x 270 mm (13.3" x 10.6")	376 mm x 301 mm (14.8" x 11.9")
Native Resolution*	XGA (1024 x 768 @ 60 Hz)	SXGA (1280 x 1024 @ 60 Hz)	
Aspect Ratio	4:3	5:4	
Pixel Pitch	0.297 mm x 0.297 mm	0.264 mm x 0.264 mm	0.294 mm x 0.294 mm
Number of Colors	16.2 million	16.7 million	16.8 million
Brightness (white)	250 nits (cd/m <sup>2</sup> )		
Viewing Angle (Hori/Vert)	140° / 120°	160° / 160°	170° / 160°
Contrast Ratio	500:1	1000:1	1000:1 (static); 2000:1 (dynamic)
Backlight Brightness half-life	2 CCFTs, 50,000 hours		4 CCFTs, 50,000 hours
<b>Video</b>			
Input Connectors**	HD-15		HD-15, DVI-D
Input Signal Formats***	RGB Analog video, Separate H/V sync		RGB Analog video, Separate H/V sync, Combined sync, Sync on Green, DVI
Horizontal Scan	24-61 kHz	24-82 kHz	30-82 kHz
Vertical Scan	56-75 Hz	50-75 Hz	
Response Rate	12 ms	5 ms	
<b>Electrical</b>			
Monitor Input	120/240 VAC, 1.2/0.6 A, 60/50 Hz	120/240 VAC, 1.5/0.75 A, 60/50 Hz	120/240 VAC, 1.2/0.6 A, 60/50 Hz
Power Consumption	~25 W	~21 W	~34 W
Power Consumption (Standby mode)	< 2 W		
<b>Environmental</b>			
Temperature	0° to 50°C (32° to 122°F)		
Humidity	20% to 90% non-condensing		
Operating Shock	15 g, 6 msec, half-sine		
Operating Vibration (sine)	1.0 g, swept sine 9-500 Hz		
Transport Vibration (random)	0.1g <sup>2</sup> Hz, 10-200 Hz; 0.03g <sup>2</sup> / Hz, 200-2000 Hz		
Altitude	Operating: up to 10,000 ft; Non-operating: up to 40,000 ft		
<b>Functional</b>			
Control Panel Buttons (rear access)	Power On/Off button, Control Function buttons		
On-Screen Display (OSD) Menus	Picture, Color, Image, OSD, Setup, Information (other options depending on model)		
Touchscreen Option	5-wire resistive system; emulates a mouse; Serial RS-232 or USB interface to host computer		
<b>Physical</b>			
Enclosure Type	Rack Mount Fits EIA standard EIA-310-D, types A, B, and C		
Enclosure Rating	NEMA 1		
Bezel Finish	Black powder-coated carbon steel – matte finish		
Panel Height	6U	8U	
Depth behind Bezel	58.4 mm (2.30")	50.9 mm (2.01")	57.9 mm (2.28")
Monitor Enclosure Bezel (W x H)	482.6 mm x 265.4 mm (19.0" x 10.45")	482.6 mm x 354.8 mm (19.0" x 13.97")	482.6 mm x 354.3 mm (19.0" x 13.95")
Net Weight	11 lbs.	16 lbs.	15 lbs.
Shipping Weight	15 lbs.	20 lbs.	19 lbs.
<b>Compliances and Certifications</b>			
Electrical	UL 60950 3 <sup>rd</sup> Edition / cUL Recognized Component, UL 508A, FCC Class A, CE		
Environmental	RoHS (Hazardous Substances), IEC 60721-3 (Reliability), WEEE (Registration No. WEE/DJ1859ZX for UK only)		
Enclosure	UL 50E		
Hazardous Location (optional for 17"/19" only)	N/A	UL Listed for Class I, Division 2 for Groups A, B, C, D; Temp Code T6 (File No. E328481); ANSI/ISA 12.12.01-2007	

