About Hope Industrial Systems
Hope Industrial provides industrial flat panel monitors and touch screens 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 benefits at a price that is significantly less than comparable industrial offerings. And finally, we offer the best sales, support and service in the industry:

- 4-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

Features
- 12", 15", 17", 19", 19.5", 20", 22", or 23" LCD
- NEMA 4/12 or NEMA 4/4X/12, sealed to IP65/66 standards
- UL Rated for Hazardous Locations: Class I, II, III, Division 2
- High resolution, high brightness and contrast
- Touch Screen, Tempered Glass, and Acrylic Window options
- Only 1.82" to 2.12" deep
- Black carbon steel and stainless steel bezel options
- Panel mount without drilling stud holes
- 5 ft. cables included (optional to 1000 ft.)
- Industrial Certifications: UL 508A, UL 50E, FCC Class A, CE, UL 60950 3rd Edition / cUL Recognized Component

Product Description
Hope Industrial Systems' Panel Mount Industrial Monitors are designed to provide the industrial user with excellent picture quality and rugged design for reliable continuous operation.

A unique single-cutout, stud-free design and depths of only 1.82" to 2.12" make them a snap to install. Options like touch screens and KVM Extenders make these displays highly versatile.

Like all our displays, these monitors are backed by industrial certifications (including 3rd-party environmental testing) and an industry-leading 4-year warranty.

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

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 touch screens from scratches and wear.
## Panel Mount Industrial Monitors and Touch Screens: Specifications

### Display

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<tbody>
<tr>
<td><strong>Type</strong></td>
<td>Thin-film transistor (TFT) Active Matrix Liquid Crystal, LED Backlight</td>
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<tr>
<td><strong>Size / Aspect Ratio</strong></td>
<td>12.1” diagonal / 4:3</td>
<td>15” diagonal / 4:3</td>
<td>17” diagonal / 5:4</td>
<td>19” diagonal / 5:4</td>
<td>19.5” diagonal / 16:9</td>
<td>20.1” diagonal / 4:3</td>
<td>22” diagonal / 16:10</td>
<td>23” diagonal / 16:9</td>
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### Video

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<tr>
<td><strong>Native Resolution</strong></td>
<td>SVGA (800 x 600 @ 60Hz)</td>
<td>XGA (1024 x 768 @ 60Hz)</td>
<td>SXGA (1280 x 1024 @ 60Hz)</td>
<td>HD1080p (1920 x 1080 @ 60 Hz)</td>
<td>UXGA (1600 x 1200 @ 60Hz)</td>
<td>WSXGA+ (1800 x 1050 @ 60Hz)</td>
<td>HD1080p (1920 x 1080 @ 60Hz)</td>
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<tr>
<td><strong>Pixel Pitch</strong></td>
<td>0.308 mm x 0.308 mm</td>
<td>0.297 mm x 0.297 mm</td>
<td>0.264 mm x 0.264 mm</td>
<td>0.293 mm x 0.293 mm</td>
<td>0.2265 mm x 0.2223 mm</td>
<td>0.255 x 0.255 mm</td>
<td>0.282 x 0.282 mm</td>
<td>0.265 x 0.265 mm</td>
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### Electrical

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<td><strong>Monitor Input</strong></td>
<td>100-240 VAC, 0.4/0.2A, 60 Hz or 9.6-36.6 VDC, 2.5-0.65 A</td>
<td>100 to 240 VAC, 1.5/0.75 A, 60/50 Hz or 9.6 to 36.6 VDC, 2.5 to 0.65 A</td>
<td>100-240 VAC, 1.5/0.75 A, 60/50 Hz or 9.6 to 36.6 VDC, 2.5 to 0.65 A</td>
<td>100-240 VAC, 1.5/0.75 A, 60/50 Hz or 9.6 to 36.6 VDC, 2.5 to 0.65 A</td>
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### Environmental

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<tr>
<td><strong>Temperature</strong></td>
<td>Operating: 0° to 50°C (32° to 122°F); Storage: -20° to 60°C (-4° to 140°F)</td>
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<td><strong>Humidity</strong></td>
<td>20% to 90% non-condensing</td>
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### Physical

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<td><strong>Power Consumption</strong></td>
<td>~14.9 W</td>
<td>~16.8 W</td>
<td>~20 W</td>
<td>~16 W</td>
<td>~20 W</td>
<td>~34W (AC); ~30W (DC)</td>
<td>~26 W</td>
<td>~24 W</td>
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### Window Options

- Analog Resistive Touch Screen, Tempered Glass, or Acrylic Protective window options. Touch Screen option is a 5-wire resistive emulator, emulates a mouse, and uses Serial RS-232 or USB interface to host computer. Glass-armedored touch screen including sulfur gas protection also available (call for details).

### Compliances and Certifications

- UL590/ULC Recognized, UL508A, FCC Class A, CAN ICES-3A/NMB-3A, CE, NOM
- Hazardous Location: UL Listed for Class I, II, III, Division 2, Groups A, B, C, D, F, G; T-Code T4A

* A full list of supported video standards may be found on our website.
* Inputs using optional adapter: HDMI (via HDMI to DVI adapter); DisplayPort (via DisplayPort to VGA or DVI adapter); BNC (via HD-15 to 5-wire BNC adapter). Call for details.
** NTSC/PAL Composite input available. Call for details.