

## *19" Industrial Rack LCD Mount Displays*

### *QES1519 Series*

#### Introduction:

Dynamic Displays offers a **19 inch Rack Mount LCD Displays**. This is a **rugged rack display screen** with a high performance 19 inch Active Matrix Color TFT LCD, designed for those demanding applications that required a high quality **19" industrial rack mount display** capable of VGA through SXGA resolutions. This premium display accepts a variety of signal formats, enabling it to work in most modern industrial environments. For legacy or **replacement industrial monitors**, this LCD display can be configured to accept a wide variety of sub-VGA formats. Other options include: **touch screen**, enhanced **sunlight readable display**, front touch controls, or vandal shield. Designed for industrial, manufacturing, financial, transportation and other severe environments with requirement for crisp **high bright** panel. We offer custom design products to best fit your specific **rugged rack display screen** requirements. If the standard configuration does not fit your exact application, Dynamic Displays is willing to create a **custom monitor** that would fit your need.



#### Features:

- 19" SXGA Color TFT LCD Display
- 15.75 to 68KHz Legacy Timings
- TTL Input Option for EGA, CGA and MDA Monitors
- High Bright TFT LCD – 250 Nits
- High Contrast – 600:1 Typical
- Heavy Duty Aluminum Front Panel
- Heavy Duty Cold Roll Steel Chassis
- Strengthened Anti-Reflective Protective Faceplate
- Universal Video Input Option
- Analog RGB Sync On Green Capable
- 5 BNC Input (RGB)
- Standard 19 inch rack mount chassis Dimensions
- Strengthened Glass Protection Option
- Touch Screen: Resistive, Capacitive and SAW option
- Sun Light Readable Option

## ***QES1519- Industrial Rack Mount Series Specifications***

|   |   |
|---|---|
| Size/Technology   | 19" TFT Active Matrix LCD   |
| Viewing Area  | 376.3 mm x 301.1 mm   |
| Pixel Pitch   | 0.294 mm x 0.294 mm   |
| Back Light  | 50,000 Hours Typical  |
| Viewing Angle (h/v)   | 140°/130°   |
| Contrast Ratio  | 600:1 Typical   |
| Brightness (typ)  | 250 cd/m <sup>2</sup>   |
| Response Time   | 12 mSec Typical   |
| Colors  | 16.2 Million – (6 Bits + FRC)   |
| Supported Video Formats   | 640 x 480 @ 60/72/75Hz<br>720 x 400 @ 70Hz<br>800 x 600 @ 56/60/72/75Hz<br>1024 x 768 @ 60/70/75Hz<br>1280 x 1024 @ 60/75/85 – Native Resolution<br>Legacy Products 15 to 68KHz Horizontal Freq.  |
| Input Signals   | Video: 0.7Vpp @ 75 Ohms<br>Sync: Separate or Composite Sync TTL Level;<br>Sync on Green Video (Positive) 0.7Vpp-Sync (negative) 0.3Vpp<br>Horizontal: 15 to 68KHz; Vertical 50 to 75Hz  |
| Input Interface   | HD15 (VGA Analog) - DVI-D   |
| External Connectors   | Analog HD15 D-Sub Input; Digital DVI Input:: DC Input.  |
| Power Requirements  | 100-240VAC 50-60Hz or +12VDC @ 4A   |
| Approvals   | FCC, CE, UL   |
| Environmental<br>Temperature: Operating<br>Storage<br>Altitude:<br>Operating<br>Storage | 0° to 50°C @ 10-90% R.H.<br>-20° to 60°C @ 10-90% R.H.<br>0 to 10,000 ft<br>0-40,000 ft   |
| Dimensions  | 15.72" (H) x 19.0" (W) x 3.5" (D)   |
| Mounting  | EIA RS310 D – 9 Units (19" Rack Mount)  |
| Bezel Finish  | Black Powder Coat – Wrinkle Texture – Standard  |
| Construction  | Heavy Duty Stainless Steel and Aluminum Alloy Front Panel   |
| Weight  | 20 Lb.  |
| Warranty  | Two Year Limited Warranty   |
| Options   | Touch Screen: Resistive, Capacitive and SAW<br>Screen Protection from Impact - Strengthened Glass<br>Front Remote Controls<br>Sunlight Readable<br>RCA (NTSC/PAL) and 5 Pin Mini Din (S-video) Optional<br>5 BNC Input (RGB)<br>TTL Video Input Option for EGA, CGA and MDA<br>Tilt and Swivel Base |