## *QES1524 Series*
## *24" Industrial Widescreen Monitors*

The QES1524 Series of 24-inch Desktop/wall-mount **widescreen monitors** with **1920 x 1200** (**WUXGA**) native resolution and wide viewing angle are uniquely well suited for industrial, government, and commercial **interactive digital signage** installations and those applications demanding large, rugged, **wide-screen display** monitors for enclosed or light restricted areas.

The QES1524 series can be fitted with a rugged. anti-reflective polycarbonate protective faceplate for rugged NEMA requirements or an ELO compatible **SAW touch screen** (**surface acoustic wave**) capability for **interactive digital signage touch monitor** applications. The **SAW touch screen** option comes with USB and RS232 interfaces.

The QES1524 family of **widescreen monitors** are thin and lightweight enough to sit beautifully on your desk, yet rugged enough to be wall mounted in your harshest **industrial wide-screen display** application. For added versatility, they can be mounted in portrait mode as well and custom bezel configurations are also available on request.

Features:

- 15.75 to 68 KHz Legacy Timings
- High Contrast – 800:1 Typical
- High Brightness TFT LCD – 400 Nits
- VESA 100 Standard Mounting
- Universal Power Supply with VESA Power Management
- Heavy Duty Aluminum Front Panel
- Heavy Duty Cold Roll Steel Chassis
- Anti-Reflective Protective Faceplate Option
- 3/4/5 Wire BNC Inputs Option
- RS170 - RS343 Video Input Option
- RCA (NTSC/PAL) and 5 Pin Mini Din (S-video) Optional
- Screen Protection from Impact - Strengteth Glass
- Tilt and Swivel Base Option
- Touch Screen: SAW Option
- TTL Video Input for EGA, CGA and MDA Option

# QES1524 Series Specifications

| | |
|---|---|
| Size/Technology | 24.0" WUXGA Color TFT-LCD |
| Viewing Area | 518.4 (H) mm x 324 (V) mm |
| Pixel Pitch | 0.270 mm x 0.270 mm |
| Back Light | 50,000 Hours Typical |
| Viewing Angle (H/V, Typical) | 89° (Left), 89° (Right) / 89° (Up), 89° (Down) @ CR = 10 |
| Contrast Ratio (Typical) | 800:1 |
| Brightness (Typical) | 400 cd/m$^2$ @ I$_L$ = 6 mA<br>360 cd/m$^2$ @ I$_L$ = 6 mA with IntelliTouch SAW Touch Screen |
| Response Time | 5 mSec Typical, on/off; 6 mSec Average |
| Colors | 16.7M Colors (RGB 6-Bit + Hi_FRC) |
| Supported Video Formats | 640 x 480 @ 60, 72 and 75 Hz<br>720 x 400 @ 70 Hz<br>800 x 600 @ 56, 60, 72 and 75 Hz<br>1024 x 768 @ 60, 70 and 75 Hz<br>1152 x 864 @ 75 Hz<br>1280 x 960 @ 60 Hz<br>1280 x 1024 @ 60 and 75 Hz<br>1600 x 1200 @ 60, 65, 70 and 75Hz<br>1920 x 1200 @ 60 and 75Hz Hz– Optimal Native Resolution<br>Legacy Products 15 to 68KHz Horizontal Freq. |
| Input Signals | Video: 0.7 Vpp @ 75 Ohms<br>Sync: Separate or Composite Sync TTL Level;<br>Sync on Green Video (SOG) 0.7 Vpp-Sync 0.3 Vpp<br>Horizontal: 15 to 94KHz; Vertical 56 to 75 Hz |
| Input Interface | HD15 (VGA Analog) – DVI-D |
| External Connectors | Analog HD15 D-Sub Input; Digital DVI Input, DC Input. |
| Power Requirements | 100-240 VAC 50-60 Hz or +24 VDC @ 5A |
| Agency Approvals | FCC, CE, UL |
| Environmental<br>Temperature: Operating<br>   Storage<br>Altitude: Operating<br>   Storage | 0° to 50°C @ 5-90% R.H.<br>-20° to 60°C @ 5-90% R.H.<br>0 to 10,000 ft<br>0-30,000 ft |
| Mechanical Configuration | Table Top or Wall Mount (VESA 100mm) |
| Dimensions | 16.4" (H) x 24" (W) x 3" (D) without Tilt & Swivel<br>19.3" (H) x 24" (W) x 9.6" (D) With Tilt & Swivel |
| Bezel Finish | Aluminum - Black Epoxy Powder Paint with Wrinkle Finish |
| Construction | Ruggedized for Industrial Applications |
| Weight | 18 Lb. with SAW Touch Screen or Screen Protection and without Tilt & Swivel<br>23.5 Lb With Tilt & Swivel |
| Warranty | Two Year Limited Warranty |