

QES1518 Series

18.1" Very High Performance Gray-Scale Rack Mount Display

Features:

- 18.1" SXGA Monochrome TFT/LCD
- High Brightness TFT LCD – 700 Nits
- High Contrast – 550:1 Typical
- RS170 Video Input
- PAL, NTSC, SECAM or YC Inputs
- Analog RGB Sync On Green Capable
- Wide Range Input Resolution
- Image Size Adjustment
- Heavy Duty Aluminum Front Panel
- Heavy Duty Cold Roll Steel Chassis
- VESA 75/100 Standard Mounting
- Anti-Reflective Protective Faceplate
- Strengthened Glass Protection Option
- Touch Screen Option
- Universal Video Input Option



Introduction:

Dynamic Displays is proud to offer the **QES1518 Grayscale Series** of Industrial Rack Mount Monitors. This is a rugged, extremely high performance, 18.1 inch Active Matrix Monochrome TFT LCD monitor designed for those demanding applications that require a high quality rack mount display compatible with a wealth of input signals. This premium display accepts a variety of signal formats such as Analog RGB, DVI, NTSC, PAL, SECAM and S-Video enabling it to work in all modern industrial and Military environments. For legacy or replacement applications, this LCD display can be configured to accept a wide variety of sub-VGA formats. Other options include: touch screen, enhanced sunlight readable, front touch controls, vandal shield. Designed for industrial, manufacturing, financial, transportation and other severe environments with requirement for bright, crisp panels.

The QES1518 Grayscale Series features an auto-scanning real-time software algorithms allowing it to adjust to suit most non-standard resolutions and signal timings within its resolution, line and field rate ranges. Compatibility with non-standards signal timings and custom resolutions can also be provided as a custom specific option.

QES1518 – Grayscale Rack Mount Series Specifications

Size/Technology	18.1 SXGA Monochrome TFT/LCD Module
Viewing Area	359.0 mm x 287.2 mm
Pixel Pitch	0.280 mm x 0.280 mm
Back Light	50,000 Hours Typical
Viewing Angle (h/v)	170°/170°
Contrast Ratio	550:1 Typical
Brightness (typ)	700 cd/m ²
Response Time	40 mSec Typical
Colors	256 Gray Scales (8 Bits)
<u>Video Inputs</u>	Composite (CCBS-RS170), S-Video (Y/C), DVI, NTSC, PAL, SECAM
Computer Inputs (RGB and DVI)	640 x 480 @ 60/67/72/75Hz 720 x 400 @ 70Hz 800 x 600 @ 56/60/72/75Hz 1024 x 768 @ 60/70/75Hz 1280 x 1024 @ 60/75 - Native Resolution 1600 x 1200 @ 60Hz
Input Signals Levels	Video: 0.7Vpp @ 75 Ohms Sync: Separate or Composite Sync TTL Level; Sync on Green Video (Positive) 0.7Vpp-Sync (negative) 0.3Vpp
Signals Input Interface	HD15 VGA Analog - DVI-Digital – BNC CVBS – 5 Pin mini DIN S-Video
External Connectors	HD15 D-Sub; DVI Socket, BNC, 5 Pin mini DIN, DC Input.
Power Requirements	100-240VAC 50-60Hz or +12VDC @ 5A
Approvals	FCC, CE, UL
Environmental Temperature: Operating Storage Altitude: Operating Storage	0° to 50°C @ 10-90% R.H. -20° to 60°C @ 10-90% R.H. 0 to 10,000 ft 0-40,000 ft
Mechanical Configuration	Rack Mount: 9 Units – EIA RS310 D or VESA 75/100
Dimensions	15.72" (H) x 19" (W) x 3.56" (D)
Bezel Finish	Black Powder Coat – Wrinkle Texture – Standard
Construction	Heavy Duty Stainless Steel and Aluminum Alloy Front Panel
Weight	25 Lb.
Warranty	Two Year Limited Warranty
Options	Universal Video Option AGC Video Touch Screen: Resistive, Capacitive and SAW Screen Protection from Impact - Strengthened Glass Rear or Front Remote Controls Sunlight Readable