

# EQT-3224-3G

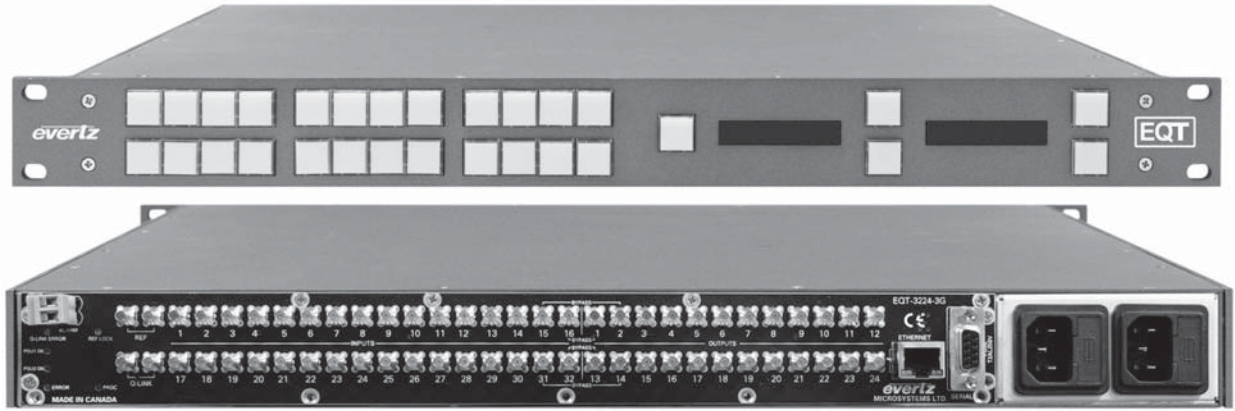
## 32x24 SD/HD/3G 1RU Router



### Performance and reliability in a compact package.

The EQT is a routing solution for applications demanding signal integrity and density. The EQT-3224 has the ability to route up to 32x24 signals in a compact 1RU frame with a local front panel for easy access to all sources and destinations through hot keys AND scrolling lists.

Being format independent, the EQT supports digital signals from 3Mb/s all the way up to 3Gb/s including SD-SDI, HD-SDI, 3G-SDI, DVB-ASI, SMPTE310M. All this performance and optional redundant power supplies, plus the ability to host additional router panels or be controlled via Magnum makes the EQT unmatched in density and flexibility.



#### Features & Benefits

**Configuration:** The EQT is housed in a 1RU frame and switches 32 sources to 24 destinations. The input stage of the EQT is fixed at 32 and the output stage is fixed at 24.

**Control:** The EQT-3224 includes a powerful front router control panel and is compatible with the existing ranges of Quartz routers, remote control panels and control systems.

The EQT router includes, as standard, an internal frame controller module which supports a single Q-Link, a single serial port and a single Ethernet port on the rear of the router.

The EQT router has a number of external control options:

**Remote Control Panel:** Any panel(s) from the entire range of Quartz remote control panels can be used with the EQT router connected via Q-Link or Ethernet. (Exceptions: CP-1024E, CP-2272E, CP-1040E)

**External Third Party Control:** The EQT router can be remotely controlled via an external third party control device, such as an automation system, when connected to the serial port or Ethernet via quartz protocol.

**Expansion:** The input stage of the EQT is fixed at 32 and the output stage is fixed at 24.

**Power Supply:** The power supply for the EQT router is internal. The EQT router can be fitted with an optional redundant internal power supply.

**Technical:** The EQT router offers a full 3Gb/s bandwidth.

#### Feature Summary

- Included front control panel
- Dense cost effective design
- Full 3Gb/s design
- Redundant power supply
- Output reclocking (On/Off)
- Full VistaLINK® PRO command & control, SNMP
- Ethernet, Serial RS-232/RS-422, and Q-Link ports

#### Specifications

##### Serial Video Inputs:

Standard: SMPTE ST 292-1, SMPTE ST 259-1, SMPTE ST 310-1, SMPTE ST 424, ASI  
Signal Level: 800mV p-p nominal  
Impedance: 75Ω terminating  
Return Loss: 15dB (5MHz - 1485MHz)  
Cable equalization: Belden 1694A 200m @ 270MHz, 150m @ 1.5Gb/s, 100M @ 3Gb/s  
Connectors: DIN1.0/2.3

##### Serial Video Outputs:

Standard: Same as input (Reclocking)  
Signal Level: 800mV p-p ± 10%  
Impedance: 75Ω terminating  
Return Loss: 15dB (5MHz - 1485MHz)  
DC offset: 0 ± 0.5V  
Connectors: DIN1.0/2.3

##### Switching Reference:

Reference Inputs: Analog 625 or 525, Tri-level HD  
Signal level: 1V p-p ± 3dB  
Impedance: 75Ω  
Switching Line: Lines 6/319 (625), Lines 10/273 (525), Line 7 (HD)

##### Control:

Q-Link to remote panels  
Cable Type: 75Ω video cable  
Max Length: 500m  
Serial:  
Signal: RS-232/RS-422  
Connector: D9 socket  
Ethernet: RJ45

##### Power:

Supply: Auto ranging 100-240V AC, 50/60Hz  
Power Consumption: 60W  
Power Fail Alarm Output:  
Relay Contact: Rated 250mA, 50V  
Connector: Screw Terminals  
Redundant PSU: Optional

##### Physical:

Dimensions: 19"W x 11.2"D x 1.75"H  
482.6mm x 284.48mm x 44.45mm  
Weight (Frame): 6 kg, 13.23lbs  
Operating Temp.: 0-40°C (ambient)  
Specification Maintained:  
Humidity: 10-30°C (ambient)  
Ventilation: Fan assisted

##### Configuration:

Inputs: Fixed at 32  
Outputs: Fixed at 24

#### Ordering Information

**EQT-3224-3G** 32 Input 24 Output 1RU Router with Front Control Panel using DIN Connectors

#### Ordering Options

**+2PS** Redundant power supply  
**+BFP** Blank front panel