

Bi-directional 2SI Quad-Link to Single-Link Converter

- 4K UHD 12G SDI Fiber and BNC Input (Fiber SFP optional)
- 4K UHD 12G SDI Fiber and BNC Output (Fiber SFP optional)
- 4K UHD 12G SDI BNC Loop Output
- 4x 3G SDI BNC Input
- 4x 3G SDI BNC Output
- Control via LYNX Technik yelloGUI
- Fully compatible with Rackframe LYNX Technik R FR 1000-1

C QS 1441 is a compact 4K UHD single link to quad link converter suitable for all SMPTE standard SDI signals from 1.5 Gbit/s to 12 Gbit/s (SMPTE 292M, SMPTE 424M, SMPTE 2081 and SMPTE 2082).

C QS 1441 enables you to use 4K UHD SDI devices in your existing HD or 3G infrastructure by supporting bi-directional quad-link to single-link conversion on BNC and fiber (optional) SFP connectors.

Conversion modes:

- 4K/UHD (12G Single Link) -> 4 x 3G (QuadLink 2SI)
- 4 x 3G (QuadLink 2SI) -> 4K/UHD (12G Single Link)
- 6G Single Link -> 4 x 1,5G
- 4 x 1,5G -> 6G Single Link

The 12G input and 12G output can also be fed through an optional fiber SFP.

Note: Conversion modes are 2-SI (two sample-interleaved).



Optional Mounting Solutions



RFR 1001
Mounting Bracket for a single yellobrik.



RFR 1000-1 Mounting bracket for up to 14 yellobriks.
Optional primary and redundant power supply (RPS 1120)

Power Adapter Options



P-TAP 1000
Use with a standard battery P-TAP power source.



XLR 1000
Use with a standard 4 pin XLR camera battery power source.



Technical Specifications

Input	4x multi-rate SDI inputs; 75 Ohm BNC connector 1x SFP connector SMPTE 292M, SMPTE 424M, SMPTE 2081, SMPTE 2082 Multi standard operation from 1.5Gbit/s to 12Gbit/s; relocking Electrical Return Loss: >10dB from 1.5GHz to 3GHz, >7dB from 3GHz to 6GHz, >4dB from 6GHz to 12GHz Electrical Return Loss: >15dB from 5MHz to 1.5GHz, >10dB from 1.5GHz to 3GHz, >7dB from 3GHz to 6GHz, >4dB from 6GHz to 12GHz Automatic cable EQ 140m @ 3Gbit/s (Belden 1694A), 80m @ 6Gbit/s, 80m @ 12Gbit/s (Belden 4794R cable)
Outputs	5x multi-rate SDI outputs; 75 Ohm BNC connectors 2x 12Gbit/s SDI output; 75 Ohm BNC connector 1x 12Gbit/s SDI output; SFP connector SMPTE 292M, SMPTE 424M, SMPTE 2081, SMPTE 2082 Electrical Return Loss: >10dB from 1.5GHz to 3GHz, >7dB from 3GHz to 6GHz, >4dB from 6GHz to 12GHz Alignment Jitter: < 0.2 UI @ 1.5Gbit/s, < 0.3 UI @ 3Gbit/s, 6Gbit/s, 12Gbit/s Timing Jitter: < 1.0 UI @ 1.5Gbit/s, < 2.0 UI @ 3Gbit/s, 6Gbit/s, 12Gbit/s
Power	+12VDC @ 6.79W nominal - (supports 7 - 24VDC input range)
Physical	Size: 138mm x 90mm x 44mm [5.43" x 3.54" x 1.72"] including connectors Weight: 250g
Ambient	5 - 40°C (41 - 104°F) 90% Humidity (non condensing)
Model #	CQS 1441 - (EAN# 4250479325678)
Includes	Module, AC power supply

Specifications subject to change