Technical Specification for Procurement of 2x24 HD-SDI 1RU Digital Video Patch Panel :

Technical Specifications :

Configuration: 2 × 24 layout (48 total patch points) housing 24 DVJB-W 75-ohm dual video jacks (WECO standard)
Signal Support: Uncompressed HD-SDI (SMPTE 292M / 424M standards) and digital audio AES/EBU patching
Impedance: 75 Ω nominal
Frequency Range: DC to 3.0 GHz
Return Loss:
≥ 26 dB @ 750 MHz
≥ 20 dB @ 2.4 GHz
≥ 10 dB @ 3.0 GHz]
Signal Isolation:
≥ 35 dB @ 1.5 GHz (or 750 MHz depending on spec standard)
≥ 20 dB @ 3.0 GHz
Circuit Routing: Normal Through (normalled route between top and bottom jacks)
Connections:
Front: Female patch using WECO type patch cords
Rear: Industry-standard 75-ohm BNC female connectors
Contact Material: Beryllium copper with gold-plating
Chassis / Material: Lightweight aluminum alloy body (black finish)
Rack Units: 1RU (Standard 19-inch rack mount; side rack ears allow up to 25 mm recess adjustment)
Dimensions (W × H × D): Approx. 19" × 1.7" × 3.3" (482.6 mm × 44 mm × 85–100 mm