

VCF-002MINI-TX/RX



Features

- * Extend HD-SDI 500M
- * Data Rates: 270Mbps/1.485 /1.001G bps
- * Signal Type: SMPTE 292M, SMPTE 259M
- * Cable equalization (Belden 1694A) re-timing and signal
- * Dual color LED indication of input lock and rate
- * Pass all ancillary data
- * DC 12V,1A

Extend HD-SDI signal upto 500M with cable equalizer and cable driver function and especially with 3KV surge protection design

Specification	VCF-002MINI-TXRX
Model	500M SD/HD Repeater
SDI Standards	SD-SDI, HD-SDI
Supported Protocols	SMPTE 259M SMPTE 292M SMPTE 344M
Video Bandwidth	270 / 1483 / 1485 Mbps
Data Rates	270 / 1483 / 1485 /2970Mbps
Video Support	SD-SDI 525i, 625i HD-SDI : 720P25/30/50/60 1080P25/30 1080i 50/60
SDI Signal Type	SMPTE-292M, SMPTE-259M
Output Impedance	75 ohms
Cable Equalization	HD-SDI up to 500m1600ft
Cable driver	SD-SDI up to 700m/2300ft
PCB Stack-up	4-layer board [impedance control -- differential 100 ohms; single 50 ohms]
Input	1x BNC [SDI]
Output	1x BNC [SDI]
BNC Connector	75 ohms inter-locked socket
Eye Pattern	Amplitude: Within 800mV ±3% (<10%) Rise overshoot: Less than 2% (<10%) Fall overshoot: Less than 2% (<10%) Long time jitter: 0.195 UI (<2.0 UI) T iming jitter: 0.195 UI (<2.0 UI) Alignment jitter: 0.127 UI (<0.4 UI)
Power Adapter	DC 12V ,1A
Power Consumption	2~4 Watts
Relative Humidity	20~95% RH (no condensation)
Dimension	88 x 33 x 22mm

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