



CERULEAN BACKHAUL LINK

Cerulean delivers the quality and reliability of full HD uncompressed fibre links in a cable free, latency free, error free, wireless environment.

The system utilises the licence-exempt 60GHz spectrum and is capable of sending two independent, uncompressed SMPTE 292M (SMPTE372M) production video streams simultaneously without the need for compression or forward error correction and the associated latency. This product is ideal for multiple camera feeds or as a redundant hot standby installation for critical real-time acquisition.

With a range of up to 500m, Cerulean opens up a host of possibilities in HD uncompressed wireless transport for any production.

Features

- Operates on the 60GHz license-exempt spectrum
- Dual-channel operation supports 3D-HDTV or two single channels uncompressed SMPTE 292M
- 2.97Gbps aggregate throughput to 500 metres
- Error-free operation including all HDSDI pathological patterns
- Dielectrically loaded 5° lens antenna for high signal gain and manageable beam width
- Optical sight and RSSI bar graph for confirmation of optimal alignment
- Optical interface options available

Specifications

Video/Audio:	SMPTE 372M and SMPTE 292M
Video/Audio Inputs:	Dual HD-SDI, BNC x 2
Aggregate Throughput.:	2.97Gbps, HD-SDI x 2 1.48Gbps, HD-SDI
Bit Error Rate:	$< 1 \times 10^{-12}$
Transport Latency:	$< 2\text{ns}$ (30% $<$ than fibre)
Transmitter Power:	+10dBm (10mW)
Antenna Gain:	35dBi / 5° beam width
Operating Range:	20 - 500 metres (clear to moderate rain)
Power:	10.5 - 17 VDC, 15W via XLR4 or V-Mount battery
Regulatory Approvals:	FCC Part 15.255, MPT (59-66Ghz) unlicensed
Environmental:	0° to 65° C, IP65 rated enclosure
Size:	240mm x 240mm x 120mm
Weight:	5kg



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UK Head Office +44 (0)845 643 2874 • www.boxx.tv • sales@boxx.tv