

## Broadcast Analog Audio/Video Fiber Optic Transmitter and Receiver



### Applications

- Remote OB Van/Truck Video Feeds
- Broadcast Studio Camera Feeds
- Long-haul Signal Transport
- TV station/video conference
- Lecture Hall Projector Connectivity
- Medical/Surgical Room Broadcast
- Small corporate campus video links

### Features

- 192 KHz, 24 Bit analog audio quantization, high-fidelity
- Range of input signal sampling frequency adaptive 32 ~ 100KHz
- Output signal sampling frequency of digital audio 44.1、48、88.2、96KHz, optional
- 10-bit video signal digital quantity
- All digital no compression, no damage, point to point or multipoint broadcast audio/video fiber optic transmission
- All surface mount technology, industrial design, high reliability, average working time more than 100000 hours
- Support hot swap with electric
- Support lossless signal regenerator
- With error correction circuit, and also with the ability of anti-burst interference
- Super optical dynamic range, no adjustment when use
- FC / PC optical connectors, the longest distance could be up to 100km above, when no regenerator
- 1-8channel video and broadcast audio could be transmitted synchronously, forward and backward
- 19 inch 1U or 2U standard rack mount

Analog audio	
Chanel	4 mono
Input/output impedance	600 $\Omega$ equilibrium
Input/output interface	XLR
Max. input/output level	+ 15 dBu
Frequency Response	20Hz – 20KHz, $\pm$ 0.15dB
SNR	> 85dB (A weighted)
THD+N	< 0.01%@1KHz
Crosstalk	< -90dB

Video	
Chanel	2
Video broadband	10MHz
SNR	>75dB (weighted)
Differential gain	<1%
Differential phase	<1.0°
Field tile	<0.5%
Input/output impedance	75 $\Omega$
Input/output level	1.0Vp-p
Input/output interface	BNC

AES/EBU Digital audio (optional)	
Input/output impedance	110 $\Omega$ equilibrium
Input/output interface	XLR
Input/output level	0.4 ~ 5Vp-p
Signal format	24 Bits (every channel)
Jitter	<0.5ns
Input sampling frequency	32 ~ 100KHz
Output sampling frequency	44.1KHz, 48KHz, 88.2KHz, 96KHz, can be set

Optics	
Wavelength	multimode 850nm/1300nm, single-mode 1310nm/1550nm
Connector	FC/PC
Transmit optical power	+3 ~ -15dBm
Receiver sensitivity	-28dBm

Other	
Average time trouble-free	>100000 hours
Operating temperature	-40°C ~ +70°C
Relative humidity	0~95% no condensation
Weight	about 2.2Kg
Dimension	Stand alone or standard 19 inch 1U and 2U rack mount
Power	95~240V/AC, 50/60Hz, 1A

