LBHDV series Single-Core-Fiber Multimeter (Video/Audio/Data) 32 Ch HD TVI/CVI/AHD VideoAudioData fiber converter system

Lightem LBHDV series 32-Ch TVI/CVI/AHD to Fiber Converters is universal type supporting High Definition Analog video format HD-TVI / HD-CVI / AHD, can simultaneously transmit 32 channels video and 1-ch RS485 over one core multimode or single-mode optical fiber. It also supports the regular analog video format such as PAL / NTSC /SECAM, it is a kind of universal fiber transmission solution/product for CCTV analog video/data signals. Devices are available for either standalone or rack-mount installation, which is suitable for different working environment. Electronic and optical adjustments are never required. LED indicators are provided for instantly monitoring system status.
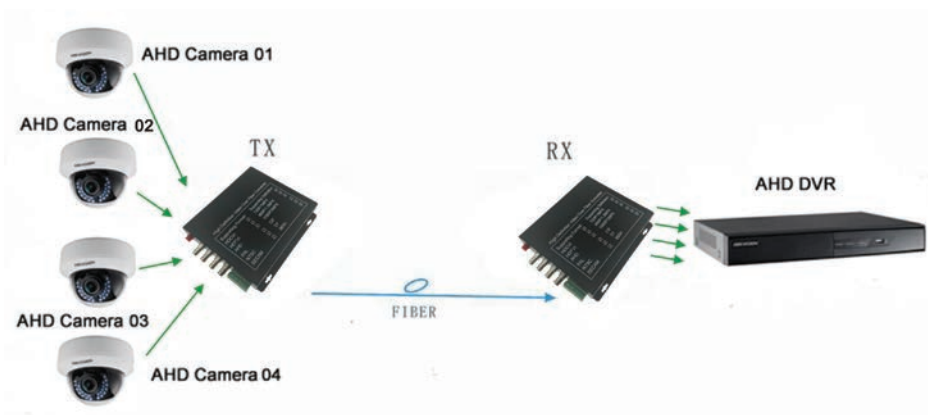

FEATURES

- Automatically identify formats of input videos
- Support transmission of 32 channel HD TVI/CVI/AHD video signal and controlling data simultaneously though coaxial cable
- Advanced lightning protection design, support 3kv lightning protection
- Single fiber transmission, optional 20km, 40km, 60km, 80km long-distance transmission
- Supports 1280X720P / 30Hz, 1920x1080P / 30Hz resolution analog high-definition coaxial video with 3 megapixel, 4 megapixel pixel cameras, and broadcast-quality transmission quality
- Uncompressed real-time transmission to ensure the best video transmission effect
- Industrial-grade design, SMT process

APPLICATIONS

- CCTV / Security system
- Traffic Control
- TV Broadcast System

LOGICAL DIAGRAM

SPECIFICATIONS

Optical	
Wavelength	1310nm & 1470nm - 1610nm
Optic fiber	Single mode, single fiber(default)
Fiber interface	FC(default) ST / SC (optional)
Distance	0km~80km
Video	
Number of Channels	32
Connector	BNC
Input/output impedance	75 Ω (Ohm / unbalance)
Standard video input/output voltage	1 Vp-p
Video Bandwidth	30MHz(720P); 60MHz(1080P)
Sampling Bandwidth	8bit
Support camera pixels	3 megapixel, 4 megapixel
Signal to noise ratio	> 60dB (weighted) (8Bit)
Supporting video pixel	1280(H)x720(V) / 1920(H)x1080(V)
Data	
Protocol	Default :RS485 (RS232/RS422 Optional)
Physical Interface	The industry standard connecting terminal
Baud Rate	1200~9600bit/s
BER	< 10 -9
Mechanical Structure & Environment	
Power	DC5V 3A
Power Consumption	≤10W
Power Adapter	AC 100V~240V
Working Temperature	-20°C ~75°C
Storage Temperature	-40°C ~85°C
Relative Humidity	5%~95% (no condensation)
MTBF	≥ 100,000Hours
Dimensions (L x W x H)	422x 230x 90mm
Weight	6.5 Kg

ORDERING INFORMATION

32 Channels TVI/CVI/AHD Video	
LBHD32V-p	32 TVI/CVI/AHD Video (Down)
LBHD32Vzzz-1DU-p	32 TVI/CVI/AHD Video (Down) + 1 Data (Up)
M01, S20	Multimode-1km, Singlemode 1310-20km
P	
R-T, -R-R	R-Rackmount, T-Transmitter, R-Receiver