

1-2Ch Video/Audio/Data

Lightem LBV series Single core fiber Video/Audio/Data multimeter provides a convenient way to extend the Video link by coaxial to fiber media conversion. With choices of 1, 2, 4 and 128 channels, Lightem media converter is able to transmit 8 video channels via a single fiber (singlemode or multimode). Optional Data (RS232 or RS422 or RS485) and Audio is useful for system which involves voice as well as control for camera (Pan / Tilt / Zoom control) or keyboard for control. Industry standard Data protocol ensure the compatibility between various suppliers such as Bosch, Pelco etc.



FEATURES

- 8 /10 digit coding and non compressed video transmission
- Based on proven Gigabit Ethernet Transmission
- 5Hz – 10MHz video channel
- Support PAL, NTSC, SECAM
- Optional Audio and Data transmission, single or bi directional transmission
- LED indicators for transmission status
- Stand alone or 19" Rack Mount version
- Internal Power supply
- Easy installation and adjustment free
- Plug and play

SPECIFICATIONS

Optical	
Wavelength	Distance
Multimode 850/1310nm	0-5km
Singlemode 1310nm	0-20km
Singlemode 1550nm	0-60km
Video	
Signal format	PAL / NTSC / SECAM
Interface	BNC 75 Ohm
Bandwidth	8MHz max
Digital Quantization	8 or 10bits
Signal	1V p-p typ, 1.5V max
SNR	65dB
Audio	
Signal level	2V p-p
Bandwidth	20Hz – 20kHz
Data	
Unidirectional	RS485, Dry Contact (open close circuit)
Interface	Terminal block
Bi-directional	RS485, 422, 232
General Data	
Work Temp.	0~+75°C
Non-condensing Store Temperature	-20~+65 °C
Dimension	LB1V / LB2V series: 95mm (L) x 95mm (W) x 27mm (H)*
Power supply	Input 110-220V AC 50Hz, Output 5V DC

ORDERING INFORMATION

LB0Vwww-p	0 Video (Down)
LB0Vwww-1DU-p	0 Video (Down) + 1 Data (Up)
LB0Vwww-2DU-p	0 Video (Down) + 2 Data (Up)
LB0Vwww-2AUD-p	0 Video (Down) + 2 Audio (Up/Down)
LB0Vwww-2DUD-p	0 Video (Down) + 2 Data (Up/Down)
LB0Vwww-2DUD-1AUD-p	0 Video (Down) + 2 Data (Up/Down) + 1 Audio (Up/Down)
LB0Vwww-2DUD-1AUD-1T-p	0 Video (Down) + 2 Data (Up/Down) + 1 Audio (Up/Down) + 1 10Base T
www	
M02, S20,	Multimode-2km, Singlemode 1310-20km,
S40, SD4	Singlemode 1550nm-40km, Singlemode 1310/1550nm-40km
p	
-S-T, -S-R, -R-T, -R-R	S-Standalone, R-Rackmount, T-Transmitter, R-Receiver
1 Channel Video	
LB1Vwww-p	1 Video (Down)
LB1Vwww-1DU-p	1 Video (Down) + 1 Data (Up)
LB1Vwww-2DU-p	1 Video (Down) + 2 Data (Up)
LB1Vwww-2AUD-p	1 Video (Down) + 2 Audio (Up/Down)
LB1Vwww-2DUD-p	1 Video (Down) + 2 Data (Up/Down)
LB1Vwww-2DUD-1AUD-p	1 Video (Down) + 2 Data (Up/Down) + 1 Audio (Up/Down)
LB1Vwww-2DUD-1AUD-1T-p	1 Video (Down) + 2 Data (Up/Down) + 1 Audio (Up/Down) + 1 10Base T
www	
M02, S20	Multimode-2km, Singlemode 1310-20km,
S40, SD4	Singlemode 1550nm-40km, Singlemode 1310/1550nm-40km
p	
-S-T, -S-R, -R-T, -R-R	S-Standalone, R-Rackmount, T-Transmitter, R-Receiver
2 Channels Video	
LB2Vxxx-p	2 Video (Down)
LB2Vxxx-1DU-p	2 Video (Down) + 1 Data (Up)
LB2Vxxx-2AD-p	2 Video (Down) + 2 Audio (Down)
LB2Vxxx-2AUD-p	2 Video (Down) + 2 Audio (Up/Down)
LB2Vxxx-1DU-2AD-p	2 Video (Down) + 1 Data (Up) + 2 Audio (Down)
LB2Vxxx-1DUD-2AUD-p	2 Video (Down) + 1 Data (Up/Down) + 2 Audio (Up/Down)
LB2Vxxx-2DUD-2AUD-p	2 Video (Down) + 2 Data (Up/Down) + 2 Audio (Up/Down)
xxx	
M02, S20	Multimode-2km, Singlemode 1310-20km
p	
-S-T, -S-R, -R-T, -R-R	S-Standalone, R-Rackmount, T-Transmitter, R-Receiver
19" Rackmount chassis	LR2U-V 19" 2U Chassis with redundant power supplies, support max 16x 1-2Ch video fiber cards