

4Ch 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

<i>Optical</i>	
<i>Wavelength</i>	Distance
<i>Multimode 850/1310nm</i>	0-5km
<i>Singlemode 1310nm</i>	0-20km
<i>Singlemode 1550nm</i>	0-60km
<i>Video</i>	
<i>Signal format</i>	PAL / NTSC / SECAM
<i>Interface</i>	BNC 75 Ohm
<i>Bandwidth</i>	8MHz max
<i>Digital Quantization</i>	8 or 10bits
<i>Signal</i>	1V p-p typ, 1.5V max
<i>SNR</i>	65dB
<i>Audio</i>	
<i>Signal level</i>	2V p-p
<i>Bandwidth</i>	20Hz – 20kHz
<i>Data</i>	
<i>Unidirectional</i>	RS485, Dry Contact (open close circuit)
<i>Interface</i>	Terminal block
<i>Bi-directional</i>	RS485, 422, 232
<i>General Data</i>	
<i>Work Temp.</i>	0~+75°C
<i>Non-condensing Store Temperature</i>	-20~+65 °C
<i>Dimension</i>	LB4V series: 110mm x 118mm x 28mm*
<i>Power supply</i>	Input 110-220V AC 50Hz, Output 5V DC

* subject to configuration

ORDERING INFORMATION

0 Channels Video	
LB0Vyyy-p	0 Video (Down)
LB0Vyyy-1DU-p	0 Video (Down) + 1 Data (Up)
LB0Vyyy-4AD-p	0 Video (Down) + 4 Audio (Down)
LB0Vyyy-4AUD-p	0 Video (Down) + 4 Audio (Up/Down)
LB0Vyyy-1DU-4AD-p	0 Video (Down) + 1 Data (Up) + 4 Audio (Down)
LB0Vyyy-1DUD-4AD-p	0 Video (Down) + 1 Data (Up/Down) + 4 Audio (Down)
LB0Vyyy-1DUD-4AUD-p	0 Video (Down) + 1 Data (Up/Down) + 4 Audio (Up/Down)
LB0Vyyy-4DUD-4AUD-p	0 Video (Down) + 4 Data (Up/Down) + 4 Audio (Up/Down)
yyy	
M01, S20	Multimode-1km, Singlemode 1310-20km
P	
-S-T, -S-R, -R-T, -R-R	S-Standalone, R-Rackmount, T-Transmitter, R-Receiver
4 Channels Video	
LB4Vyyy-p	4 Video (Down)
LB4Vyyy-1DU-p	4 Video (Down) + 1 Data (Up)
LB4Vyyy-4AD-p	4 Video (Down) + 4 Audio (Down)
LB4Vyyy-4AUD-p	4 Video (Down) + 4 Audio (Up/Down)
LB4Vyyy-1DU-4AD-p	4 Video (Down) + 1 Data (Up) + 4 Audio (Down)
LB4Vyyy-1DUD-4AD-p	4 Video (Down) + 1 Data (Up/Down) + 4 Audio (Down)
LB4Vyyy-1DUD-4AUD-p	4 Video (Down) + 1 Data (Up/Down) + 4 Audio (Up/Down)
LB4Vyyy-4DUD-4AUD-p	4 Video (Down) + 4 Data (Up/Down) + 4 Audio (Up/Down)
yyy	
M01, S20	Multimode-1km, Singlemode 1310-20km
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19" Rackmount chassis	
LR4U-V	19" 4U Chassis with redundant power supplies, support max 15x 4Ch video fiber cards