

## FEATURES

- ▷ 3G or 4K Quad link models
- ▷ 10/100/1000 Ethernet
- ▷ GenLock/Sync

## APPLICATIONS

- ▷ 3G/4K POV with robotic control
- ▷ Camera signal extender
- ▷ Studio link

## An Economic Solution Designed for 3G and 4K Fiber Transmission



Transmit

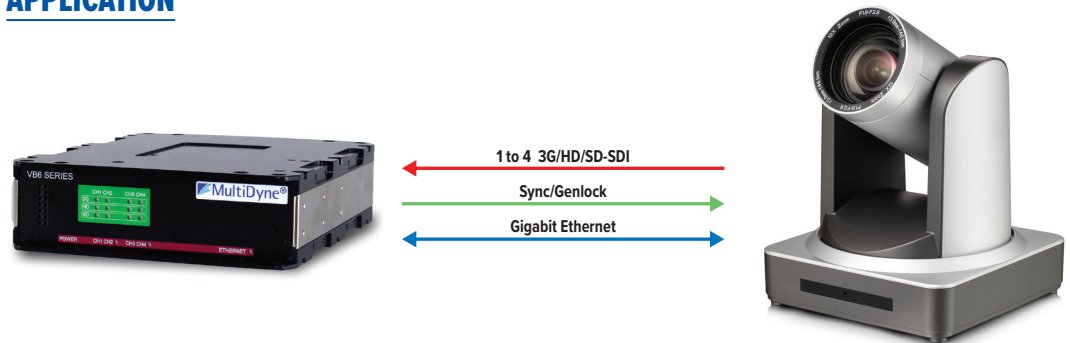


Receive

The VB-3817 is part of the versatile LightBrix line of compact, rugged fiber transport products. Ideal for all-in-one PTZ/POV cameras or box cameras mounted to a robotic PTZ heads, the VB-3817 optically extends a full complement of camera signals, including up to 4K quad link 3G-SDI. The system transports the SDI, Analog Genlock and the bi-directional 1GbE Ethernet signals all over one Single-Mode fiber connection resulting

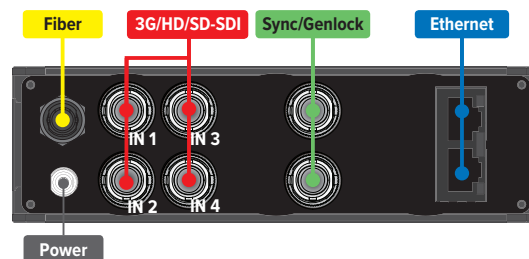
in a complete, small-footprint package. Front panel status LEDs provide power supply health and real-time signal presence indication for trouble-shooting. The optional VB6-PTZ-KIT universal mounting plates offer an unprecedented level of rigid integration to the camera and the RM-BD-2LBUX 1RU rack-mount kits make the control side installation just as solid.

## APPLICATION

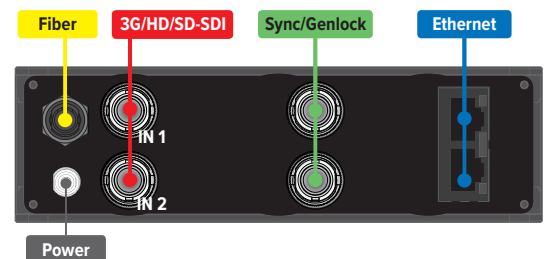


## REAR PANELS

VB-3817-4X0-SXXEA-ST



VB-3817-2X0-SXXEA-ST



## TECHNICAL SPECIFICATIONS

### Digital Video

Video Connectors	BNC
Transmitter	1 to 4 inputs
Receiver	1 to 4 inputs
Standard	SMPTE 424M, 297M, 292M, M259M-C, DVB-ASI
Input Coax EQ	3 Gbps: 120M 1.485 Gbps: 240M 143-260 Mbps: 450M
Input Level	100mV (peak to peak)
Impedance	75 Ohms
Return Loss	>15 dB at 5MHz-1.485 GHz >10 dB up to 3 GHz
Jitter	< 0.3UI under 1MHz
Rise/fall Times	< 800ps (SD), < 130ps (HD)
Bit-error Rate	10e-12

### Genlock/Sync

Number of Inputs	1
Number of Outputs	1
Type	Analog Black Burst (NTSC, PAL), HD Tri-Level

### Optical

Operating Wavelengths	1471-1611nm
Tx Laser Output Power	0dBm (Class 1 Laser)
Receiver Sensitivity	-20dBm
Fiber Compatibility	Single-mode
Optical Connector Types	SC, ST, LC
Distance Limit	20km w/Single-mode

### Mechanical, Environmental

Dimensions	(LxWxH) 7.25"x 5.75"x 1.75"
Power Input:	2.5mm jack
Center Pin	+
Power Rating:	Nominal 15w max@12 VDC

## ORDERING INFORMATION

Part #	Description
VB-3817-1X0-SXXEA-ST	1 Channel 3G-SDI Video Transmitter with Gigabit Ethernet & Genlock/Sync, 1 Single-mode fiber, ST connector
VB-3817-0X1-SXXEB-ST	1 Channel 3G-SDI Video Receiver with Gigabit Ethernet & Genlock/Sync, 1 Single-mode fiber, ST connector
VB-3817-2X0-SXXEA-ST	2 Channel 3G-SDI Video Transmitter with Gigabit Ethernet & Genlock/Sync, 1 Single-mode fiber, ST connector
VB-3817-0X2-SXXEB-ST	2 Channel 3G-SDI Video Receiver with Gigabit Ethernet & Genlock/Sync, 1 Single-mode fiber, ST connector
VB-3817-4X0-SXXEA-ST	4 Channel 3G-SDI Video Transmitter with Gigabit Ethernet & Genlock/Sync, 1 Single-mode fiber, ST connector
VB-3817-0X4-SXXEB-ST	4 Channel 3G-SDI Video Receiver with Gigabit Ethernet & Genlock/Sync, 1 Single-mode fiber, ST connector

**Other signal configurations are also available. Contact the Sales Office for additional information.**