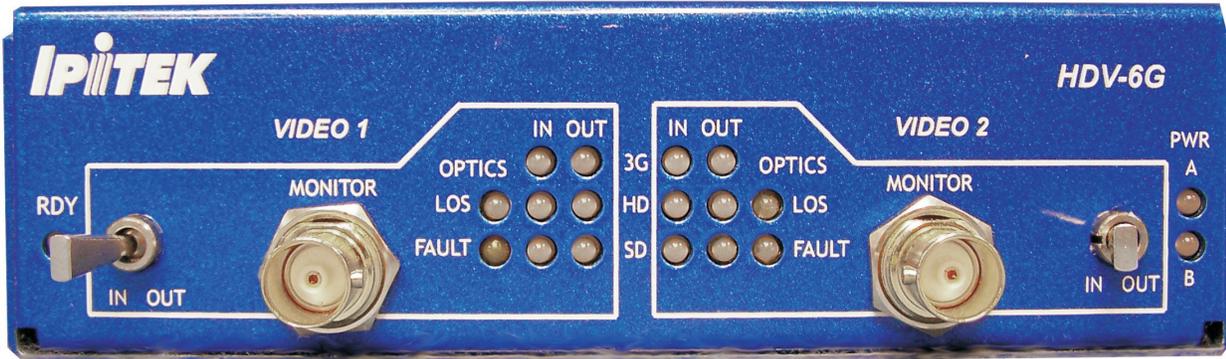


## HIGH-DEFINITION (HD) VIDEO TRANSPORT HDV-6G



### FEATURES & BENEFITS

- Supports 2.967 Gbps 3G (SMPTE 424), 1.485 Gbps HD (SMPTE 292M), 270 Mbps SD (SMPTE 259M)
- 3G/HD/SD-SDI Bi-Directional Transport
- Repeater Mode for Long-Distance Transport
- Signal Scrambling for Extended Transport Using Multi-Purpose SFPs
- Transmit Interface with Built-In Automatic Cable Equalizer and Re-Clock Circuitry
- LED Status/Fault Indication
- Front-Panel Monitoring of Video Signals
- Small 1/3 RU design

IPITEK's HDV-6G is a state of the art transport solution ideal for broadcasters that wish to transport the highest quality High-Definition (HD) video between two points. The HDV-6G provides a dual bi-directional flexible fiber optic transport solution for all digital video formats with automatic rate sensing of video standards to include 270 Mbps, 1.5 Gbps (HD), and 2.97 Gbps (3G-HD). These high-definition digital video circuits use dependable CWDM and DWDM technologies over dark fiber.

In addition, pre-configured management and toggle switches make this a true plug-and-play, easy to use standards-based transport product.

The SFP fiber-optic link interface assures maximum performance on dark fiber applications while guaranteeing compatibility with existing public transport to extend the distance for these services to anywhere in the world.

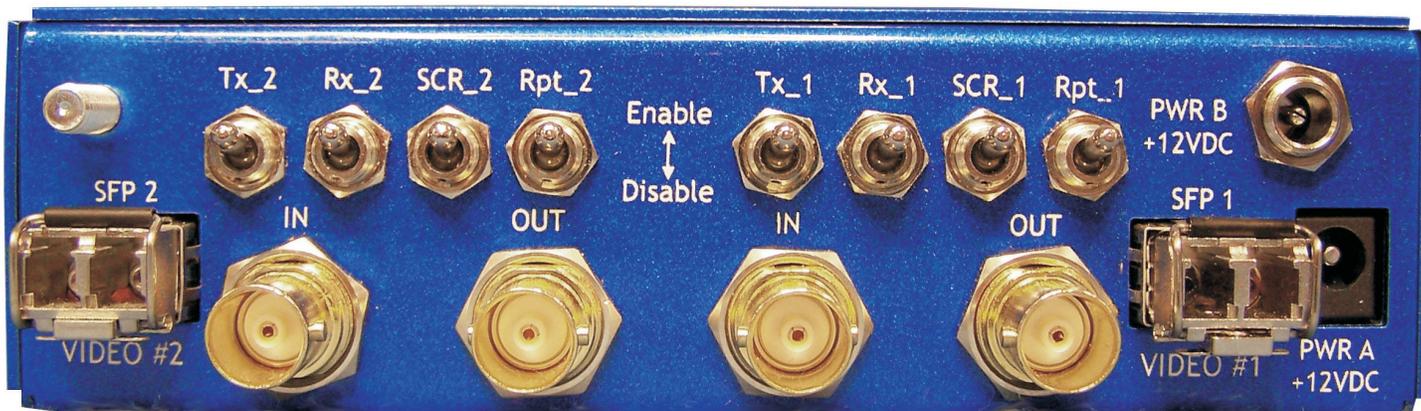
The HDV-6G provides user-selectable scrambling to extend signal distance and allows using multi-purpose SFPs. This prevents signal exploitation and extends transmission distance.

#### Pre-Configured Plug-and-Play Solution

The HDV-6G is simple to setup because no management is required, thus making it a true plug-n-play device. Two toggle switches are provided for selecting several system configurations, such as selective input and output switching. LEDs display the type of video signal being transmitted (3G, HD, or SD), or provide a warning in case of a fault state such as loss-of-signal (LOS).

Power is supplied using regular wall wart power and power consumption is kept at a minimum. This low power consumption enables the HDV-6G to have a "fan-less" operation.

## REAR-VIEW



## SPECIFICATIONS

### Functions

3G/HD/SD-SDI Bi-Directional Transport  
Repeater Mode for Long-Distance Transport  
Signal Scrambling for Extended Transport Using Multi-Purpose SFPs

### Digital Video

Connector: BNC, 75 ohm  
Cable Equalization: 0 to 350 meters (270 Mbps)  
0 to 140 meters (1.485 Gbps)  
0 to 120 meters (2.967 Gbps)  
Return Loss >15 dB, 5-1485 MHz  
(input, output monitor): >10 dB, 1486-2967 MHz

### Performance

3G (2.967 Gbps): SMPTE 424M  
HD (1.485 Gbps): SMPTE 292M  
SD (270 Mbps): SMPTE 259M

### Environmental

Operating Temperature: 0° to 50° C  
Storage Temperature: -55° to +75°C  
Operating Humidity: to 90%, non-condensing  
Dimensions: 5.7" x 10" x 1.75" (3 in 1RU)  
(14.48cm x 25.4cm x 4.44cm)

### Optics

CWDM/DWDM Multi-Purpose SFPs  
3G-HD Video Specific SFP (CWDM/DWDM)



2330 Faraday Avenue • Carlsbad • CA • 92008  
(760) 438-1010 • Toll Free (888) 4-IPITEK (447-4835)

IPITEK reserves the right to modify product specifications without prior notification.

DAT-HDV-6G Copyright © IPITEK 2011

FAX (760) 438-2412 • sales@ipitek.com • www.ipitek.com

IPITEK is ISO 9001 Registered