

32 Channel Fiber Optic Video Transceiver**Features**

Thirty-two Channels Un-compressed CCTV video over one fiber.

8-bit video processing, Compatible with NTSC, PAL, or SECAM CCTV, Instantaneous Transmission.

One Channel Ethernet, Supports 10/100BASE-TX, IEEE Std.802.3.

Digital multiplexing technology.

Support analog Audio, RS-485/232 data, Contact closure and Ethernet over one single-mode fiber.

24-bit audio processing.

Transparent transmission for multi protocol data formats.

Using Wavelength Division Multiplexing(WDM)

Specifications**Video**

Channels: 32 simplex

Input/Output Signal: 1.0 Vpk – pk

Bandwidth: 6.5 MHz

Video Sampling Rate: 15 MHz

Signal-to-Noise Ratio: >58 dB

Input/Output Impedance: 75 ohms

Differential Phase: 0.7°

Differential Gain: <1%

Audio

Input Impedance: 47K ohms unbalanced

Output Impedance: 10K ohms unbalanced

Signal-to-Noise Ratio: >75 dB

Audio Sampling Rate: 58 kHz

Bandwidth: 20 Hz to 20 kHz

Data

Formats: RS-232 (3-wire), TTL, RS-422, RS-485 (2-wire/4-wire) Transparent transmission for Manchester, Biphase, SensorNet

Baud Rate: 0 kbps to 115.2 kbps

Bit Error Rate: <1.0E-9

Ethernet

10/100BASE-TX, CAT5 RJ-45, IEEE Std. 802.3, Full Speed 10M/100M Ethernet duplex

Optical

Fiber Cable: Single mode

Optical Connector: FC

Emitter: FB or DFB

Wavelength: 1310 nm or 1550 nm

Transmission Distance can reach 100 Km

Environmental

Operating Temperature: -25°C to 75 °C

Maximum Humidity: 95% relative, Non-condensing

Mechanical

Dimensions: 440X225X132mm

Construction: Aluminum

Power Supply

Protection: Solid-state short circuit protection

External Power Supply, Input: 100~240 V AC 50/60Hz Output: 9 V DC, 4 A

Electromagnetic compatibility

EMC Directive 2004/108/EC

EN60950-1:2006

Order Information

HFV-D3240 R-E:32-channel video+4-channel bi-direction audio+1-channel backward data+1-channel Ethernet

HFV-D3244-E:32-channel video+4-channel bi-direction audio+4-channel bi-direction data+1-channel Ethernet

HFV-D324R1-E:32-channel video+4-channel backward audio+1-channel bi-direction data+1-channel Ethernet

HFV-D324T1T-E:32-channel video+4-channel forward audio+1-channel forward data+1-channel Ethernet