



## Video/Audio Optical Converters ST-2405-FA

### Over View

- \* Support any high-resolution video signal
- \* Stand-alone type or card-type installed in 19" 2U or 4U rack-mount chassis.
- \* Constant input optical power, and large dynamic range no Electrical or Optical Adjustments Required .
- \* Automatic compatible PAL, NTSC and SECAM video system
- \* Directly compatible with NTSC, PAL, and SECAM CCTV camera systems and support RS-232, RS-422, and RS-485 data protocols
- \* Support no-damage regenerative trunk of video
- \* Special ASIC design
- \* Automatic compatible PAL, NTSC and SECAM video system

### Technical Specification

Video channels	8 channel
Automatic compatible video system	PAL, NTSC, SECAM
Video input /output impedance	75 $\Omega$
Video signal-to-noise ratio	$\geq 67$ dB
Differential gain	(10%-90%APL) DG <1% (Typical value)
Differential phase	(10%-90%APL) DP <0.7% (Typical value)
Video connector	BNC
Video bandwidth	5-7.5 MHz
Fiber-optic Specification	F/O connector: FC/ST/SC Transmitter Tx Power:-15 ~ -8dBm Sensitivity : -35dBm Receiver Tx Power:-15 ~ -8dBm Sensitivity : -35dBm Transmission Distance :20KM (single mode) Operating Wavelength: TX1310/RX1550nm (Transmitter) TX1550/RX1310nm (Receiver)

# VIDEO MULTIPLEXER

## Specification of custom-made options

<b>Data</b>	<b>Connector: Terminal Blocks</b> Encoded type : RS485 / RS422 / RS232 / Manchester Data rate : 0 - 400Kbps, BER: $\leq 10^{-9}$
<b>Audio</b>	<b>Connector: Terminal Blocks</b> Audio input / output impedance : 600 $\Omega$ (Balance/ unbalance) Audio input / output voltage : 2Vp-p ( typical value) Audio input / output level : 0dBm ( typical value) Video bandwidth: 10HZ~12KHZ Audio digital encoded bandwidth : 24bit Audio signal-to-noise ratio: S/N $\geq 95$ dB (weighted)
<b>Telephone</b>	<b>Connector: RJ11</b> Bandwidth : 8KHZ Features: Support call-showing function ;support H-F Operating mode : Point to point hotline mode / FXS-FXO
<b>Ethernet</b>	<b>Connector: RJ45</b> Support mode : Half duplex or Full duplex Standards: IEEE802.3 Data rate : 10M / 100Mbps Bandwidth: 25M

<b>Dimensions:</b>	11.1(L)x10.7(W)x2.8(H)
<b>Operating Voltage:</b>	DC5V (we will offer external power supply from AC96-240V to DC5V for each unit)
<b>Operating Temperature:</b>	-10* to +75*
<b>Storing Temperature :</b>	-55* to +85*
<b>Humidity:</b>	0 to 95% non-condensing
<b>MTBF :</b>	$\geq 10^5$ hours
<b>Warranty :</b>	3 years

## Applications :

Intelligent Transportation System  
Connection of Sub-network for Surveillance Center  
Public Security Surveillance  
High Way & Toll Station Surveillance  
Industrial Closed Circuit Television Surveillance



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