

SYNERGY TELECOM PVT LTD

13-15 RPS Flats, E-Block VIKASPURI N DELHI 110018... INDIA
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4-ch video , data and audio transmitter/receiver



The Product are subjected to digital 4-channel video, data with audio transceiver, which could be compatible with the all-pattern video signal and hold out 4-ch video signal, 4-ch data signal and 4-ch audio signal at same orientation on an optical fiber. The video signal adopted 10bit/20MHz digital sample technique, as well as 24bit/48KHz sampling for audio signal. In additional, the data interface sustains electronic standard, RS232/RS422/RS485 and the baud rate is limited in 0-100Kbps. For obtaining the high quality transmission, the system uses the full-digital transmission channel. Power, optical, data and video are easily inspected the indicators on the panels, so that the user could check the status visibly. The system series are high performance and reliability transmission system for long distance of video, audio and data .

Product Features

- 10bit video signal digital sample
- 24bit audio signal digital sample
- High speed synchronization digital transmission technology
- Module construction design (optional between audio card and data card)
- Wide optical dynamic range, no user adjustments;
- LED Indicators for Power Supply, Light Signal, Video and Data
- Immunity to electrical interference, ground loops and radio frequency interference
- Safety Transmission for arduous electromagnetic environment
- BNC video connector
- DB9 data connector
- RCA audio connector
- ST optical connector
- Video DC Restoration
- Data interface: RS232 / RS422 / RS485;
- Acceptable highest optical loss budget for single-mode Fiber is 18dB ;

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Product Usage

- Closed circuit television supervisory system
- Remote TV teaching system

Parameters for choosing product

Forward transmission system		
Video capability	Audio capability	Data capability
4	4	4
Backward transmission system		
Video capability	Audio capability	Data capability
0	0	0

Related Datas

Video performance

- Video channel: 4 ch (full)
- video bandwidth: 0 - 6.5MHz
- Differential gain: < 1% (typical)
- Differential phase: < 0.8° (typical)
- Field tilt: < 0.5% (MAX)
- SNR: > 67dB
- Input/Output Impedance: 75 Ω (unbalanced)
- Input/Output voltage: 1.0Vpp (typical)

Audio performance

- Audio channel: 4 ch (optional)
- Input Impedance: 600 Ω (unbalanced)
- Output Impedance: 10 Ω (unbalanced)
- Frequency response: 0.5 - 20KHz
- Input/Output volt: 0dbm (typical)

Data performance

- data channel: 4 ch (optional)
- data interface: RS232/RS422/RS485 (optional)
- data rate: 0 - 100Kbps
- BNR: < 10-9

Optical performance

- Transmission wavelength: 1310nm
- Optical interface: ST / PC
- Transmitting power: -10dB
- Receiving sensitivity: -28dB
- Optical dynamic range: 20dB
- Acceptable highest loss budget: 18dB

Parameter

- Operating temperature: -10°C - +50°C
- Operating Humidity: 0 - 95% (non-condensing)

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- Power Consumption: 6.8W @ DC5V
- External Dimension: 175mm (L), 150 (W), 30mm (H)
- Weight: 950g
- Mean Time Between Failures (MTBF): >10 Hrs

Ordering Information

	Model No	Positive Direction			Reverse Direction		
		V	A	D	V	A	D
4-CH	FHC6400T/R	4					
	FHC6400T/R4A4D	4	4	4			
	FHC6400T/R1d	4					1
	FHC6400T/R4a4d	4				4	4
	FHC6400T/R4Aa4Dd	4	4	4		4	4
	FHC6440T/R4Aa4Dd	4	4	4	4	4	4
	FHC6440T/R4Aa4Dd	4	4	4	4	4	4