CAT5-RX

Professional Series

Component Video and S/PDIF over CAT5 Receiver

Typical System Applications

- Multi-Room
- Studios
- Restaurants
- Night Clubs
- Home Theater
- Hotels
- Video Servers
- Background Video

Key Features

- Composite video output
- Digital Audio (S/PDIF) audio output
- Analog Stereo Audio output
- Component video output
- CAT5 receiver input

The CAT5-RX provides video/audio over CAT5 reception at distances of up to 1,000ft. The outputs provide the ability to distribute component video and digital audio over CAT5. While the on-board S/PDIF to analog stereo audio converter supplies stereo analog audio.

Compatible with most standard component video/SPDIF over CAT5 receivers, including our CAT5-RX

ILAB America Inc. 45 Hemlock Street , Selden NY 11784 Tel: 516-696-4418 Fax: 516-696-4460 Web: labamerica.com

CAT5-RX Specifications

Component Video

Bandwdith : 300MHz or better (± 3dB)
200MHz or better (±1.5dB)
60MHz or better (±1 dB)

Input Impedance: 75 Ohms nominal
Output Level (max) : 1.2 Vpp
Output Impedance: 75 Ohms nominal
Crosstalk: < -60 dB (f = 5 MHz) / < -30 dB (f = 150 MHz)

Signal to Noise Ratio : > 65 dB (Vin = 0.7 V), 100% IR
Source Video Inputs: 6 component (Y, Pb/CB, Pr/CR)
gold plated RCA
Zone Video Outputs: 6 component (Y, Pb/CB, Pr/CR)
gold plated RCA

Component Video / SPDIF over CAT5

Maximum Range : 1,000 ft (with SWVC-6)

Recommended Cable : CAT-5 UTP or better, 100 ohms@ 100MHz
Capacitance 20pF/FT max, Attenuation 6.6dB/1000FT at 1 MHz max

Bandwidth : 225 MHz, -3 dB large signal bandwidth
450 MHz, -3 dB smal signal bandwidth

Signal Level Drives 1.4 V p-p video signal into doubly terminated 100 Ohms UTP cable

Balance Error : Output balance error -60 dB @ 50 MHz

Isolation between amplifiers: 80 dB @ 10 MHz
Distortion: 64 dB SFDR @ 10 MHz on 5 V supply, RL, dm = 200 Ohms

Composite Video/Digital Audio

Input Impedance: 75 Ohms nominal
Output Level (max) : 1.2 Vpp
Output Impedance: 75 Ohms nominal
Frequency Response: 50 MHz or better (± 3 dB) / 20 MHz or better (± 1 dB)
Crosstalk: < -50 dB (f = 5 MHz)
Differential Gain: < 0.2% or better (f = 3.58 MHz)
Differential Phase: < 0.2° or better (f = 3.58 MHz)
Signal to Noise Ratio: > 65 dB (Vin = 0.7 V, 100 % IRE)

Specifications – Stereo Analog Audio

Output Level (max): 2Vpp, unbalanced
Frequency Bandwidth Preamplifier: 20-20kHz (+0, -1 dB)
THD : > -75dB for all outputs , A-weighted
SNR : > -75dB for all outputs , A-weighted
Crosstalk : < -75 dB (1 kHz, Vin = +14 dB)
Coupling: AC coupled
Connectors: Stereo RCA (Gold-plated)

Other:
All steel chassis

DC Input Voltage: 5 VDC , 200mA

Dimensions / Weight :

4in x 3.8in x 1.2in

Weight : 1 lbs

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