

# TPA 110 SERIES CAT5/6 VIDEO, AUDIO & IR TRANSCEIVERS

The TPA 110 series consists of two pairs, transmitter and receiver, designed for remote transmission, via CAT5 UTP cable, of a video signal and of a stereo audio signal.

For simple monitoring applications, a distance of up to 900 meters can be covered using a UTP AWG22 cable.

The most complete pair, called TPA 110 IRT / IRR, also permits passing of an IR signal.

It also provides visual indication of the correct input video signal and, through contact in exchange of a relay, permits remote alarm or remote signaling



- Video and audio stereo Transmitter / Receiver
- Compensation adjustment
- Video signal in arrival indication
- Exchange contact for video present
- Bi-directional IR transmission
- Carrier frequency up to 1.2 MHz
- 19" compatible



La serie TPA 110 è costituita da due coppie, trasmettitore e ricevitore, atti a trasmettere a distanza, tramite cavo CAT5 UTP, un segnale video e audio stereo. Per applicazioni di semplice monitoria, utilizzando cavo UTP AWG22 la distanza copribile può raggiungere i 900 mt.

La coppia più completa, denominata TPA 110 IRT / IRR, consente altresì il passaggio di un segnale IR. Fornisce inoltre la segnalazione visiva del corretto segnale video in arrivo e, tramite il contatto in scambio di un relè, ne consente il teleallarme o la segnalazione a distanza



- Video e audio stereo Transmitter / Receiver
- Regolazione della compensazione
- Segnalazione video in arrivo
- Contatto in scambio per presenza video
- Trasmissione IR bidirezionale
- Carrier frequency up to 1.2 MHz
- Compatibile 19"



## SPECIFICATIONS

### TPA 110T / TPA 110 IRT:

Video Input type	:BNC, AC coupled
Input ret.loss	:35 dB at 5 MHz
Audio input type	:RCA socket, AC coupled
Input impedance	:20 K $\Omega$
Input level	:+10dBm max
Line OUT	:8 Phoenix screwtype detachable (4 pairs bal.)
IR IN	:3 Phoenix screwtype detachable
IR OUT	:jack mono 3.5 mm
IR Signal type	:Carrier frequency up to 1.2 MHz

### TPA 110R / TPA 110 IRR:

Line IN	:8 Phoenix screwtype detachable (4 pairs bal.)
Video OUT	:BNC, not clamped
Equalization / Frequency response	
from 30KHz to 5 MHz	: $\pm 1,5$ dB up to 375 mt CAT5 AWG26 cable;
	: $\pm 1,5$ dB up to 500 mt CAT5 AWG24 cable;
	: $\pm 1,5$ dB up to 650 mt CAT5 AWG22 cable;
Delay	:2.0 $\mu$ s at 375 mt CAT5 cable
Differential gain	:0.6 % worst case
Differential phase	:1.2° worst case
LF Response	:1.2 % on 50 Hz squarewave
Hum & noise	: -70 dB unweighted with 375 mt. CAT5 AWG26 cable

VIDEO (Video presence) : 3 Phoenix screwtype detachable dry contact

Audio OUT	:RCA socket
Output level	:Adjustable for up to 375 mt CAT5 AWG26 cable
Max. output level	:+10 dBm
Output impedance	:150 $\Omega$
Audio response	:-0.5 dB from 10 Hz to 20 KHz; -3 dB at 95 KHz
Distortion	:0.04% from 20 Hz to 20 KHz at +6dBm
Crosstalk L/R (Worst case)	:55 dB at 16 KHz worst case
Hum & Noise	:-64 dBm unweighted through 350 mt CAT5 cable
Video/Audio crosstalk	:68 dB worst case through 350 mt CAT5 cable
Audio/Video crosstalk	:80 dB at 16 KHz through 350 mt CAT5 cable
IR IN	:3 Phoenix screwtype detachable 3p
IR OUT	:jack mono 3.5 mm
IR Signal type	:Carrier frequency up to 1.2 MHz

Main input	
(with AC adapter ADM001)	:230 Vac 50 Hz
Power consumption	:5 VA
Size (WxDxH)	:200x100x44
Weight	:0.5Kg / Each unit
Operating temp.range	:0 $\div$ 45°C
Safety	:according to EN60065
EMC	:according to EN55103-1 and-2

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