



4610/4611

Multimode Fiber Optic
RGB/YPbPr Transmission Systems

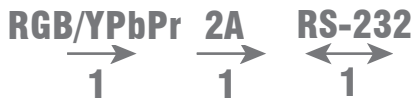
RGB/YPbPr
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Options with:

Stereo Audio



Stereo Audio and RS-232



Audio/Keyboard/Mouse



USB Ports



“High performance and affordable solutions for your digital video transmission.”

Applications

- Remote RGB/YPbPr Extension
- Remote HDTV Display
- Digital Signage
- Video Wall Presentation

Features

- Zero Compression and Zero Bit Reduction
- Audio/Data, KVM and USB Option
- Up to UXGA (1600 x 1200 @ 60 Hz) or 720p/1080i/1080p HDTV Video Resolution

The 4610/4611 Series is a high performance, yet affordable, Fiber Optic RGB/YPbPr Transmission System. It carries one (1) RGB or one (1) YPbPr video through four (4610 model), or one (4611 model) multimode fibers. This unique fiber optic transmission system lets your digital flat panel display extend up to 500m (multimode fiber). Option with one (1) stereo audio and/or one (1) RS-232/422 is also available. In addition to RGB/sync video transmission, the 4610/4611 “KVM” option allows for the transmission of standard PS2 mouse, keyboard, and stereo audio, or with a 1:4 USB 2.0 hub, for feature rich, remote multimedia presentations.

No user adjustment is required for the 4610/4611 system due to the use of advanced digital fiber optic transmission system technology with zero compression and zero bit reduction. This allows for a quick and easy setup, offering trouble-free operation for many years to come. The 4610/4611 supports video resolution up to UXGA (1600 x 1200 @ 60 Hz) or 720p/1080i/1080p HDTV video resolution.

The 4610/4611 is available in a compact standalone housing or plug-in card in a card chassis. Panel connectors are: standard HD-15 connector for RGB/YPbPr and LC/SC connector for 4610/4611 fiber port.



Doing More With One Fiber



4610/4611

Multimode Fiber Optic RGB/YPbPr Transmission Systems

Multimedia Transmission Systems



Video

Resolution	Up to 1600 x 1200 @ 60Hz (RGB) Up to 720p, 1080i, 1080p (YPbPr)
Connector	HD-15

Physical

Dimension (H x W x D)	1.72" x 4.36" x 8.75" (RGB/YPbPr only) 1.72" x 8.6" x 12.0" (RGB/YPbPr with Audio/Data option)
Power Level (max.)	+5VDC @ 0.5A (RGB/YPbPr only) +12VDC @ 2A (RGB/YPbPr with Audio/Data option)
Operating Temperature	0 to +50°C
Humidity	0 to 95% RH, non-condensing

Audio

Channel Capacity	2
Operating Mode	Balanced/Unbalanced (Stereo Audio) Unbalanced (AKM)
Input/Output Impedance	600/600 Ohms (Stereo Audio) 10k/600 Ohms (AKM)
Max. Input/Output Level	+10 dBm @ 600 Ohms (Stereo Audio) 5 Vp-p @ 10k Ohms (AKM)
Magnitude Freq. Response	20Hz to 20kHz @ -3dB
THD+N	80dB @ 1k Hz (Stereo Audio) 70dB @ 1kHz (AKM)
Connector	Terminal Block (Stereo Audio) RCA (AKM)

Applications

Mouse Port

Interface	Industrial Standard RS-232
Connector	6-pin mini Din/PS2 or DB9

Keyboard Port

Compatibility	Industrial Standard Keyboards
Signal Level	TTL, 0-5V
Connector	6-pin mini Din/PS2

USB

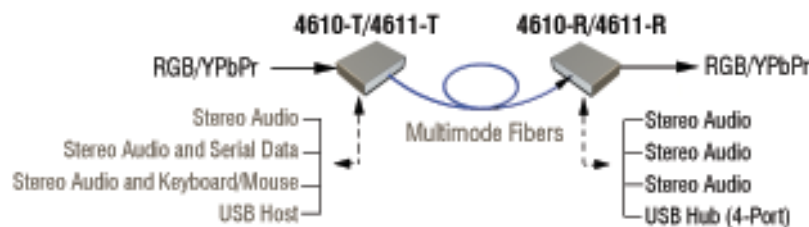
Signal Format	USB 2.0 only (Host) USB 2.0 or 1.1 (Hub)
Hub Port Count	4
Connector	1 USB Type-B (Host); 4 USB Type-A (Device)
LED Indicator	Power, Optical Link, USB Link, Channel Activity

Serial Data

Channel Capacity	1
Signal Format	RS-232 or RS-422 (Factory configurable)
Data Rate	Up to 115.2Kbps
Connector	Terminal Block

Optical

Fiber Type	Multimode
Number of Fibers	4, 5 or 6 (4610) 1 or 2 (4611)
Wavelength	850, 1310, 1550 nm
Connector	SC



Doing More With One Fiber

Subject to continued product enhancement, we reserve the right to change the above specifications and description without notice.

