



Mini-**RGB-AD**

**Miniature Multimode Fiber Optic
RGB/YPbPr Transmission Systems**



**“RGB/YPbPr + Stereo Audio + RS-232
Over 1 Multimode Fiber”**



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

Applications

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

Features

- Up to 400m at WUXGA (1920x1200 @ 60Hz)
- Zero Compression and Zero Bit Reduction
- Up to WUXGA (1920 x 1200 @ 60 Hz) or 720p/1080i/1080p HDTV Video Resolution
- Over 1 Multimode Fiber
- Compatible with our Mini-HDMI-AD or Mini-DVI-AD Products

The Mini-**RGB-AD** Series is a high performance, low cost, miniature, Fiber Optic RGB/YPbPr Transmission System. It carries one (1) unidirectional RGB or one (1) unidirectional YPbPr video, one (1) bi-directional stereo audio and two (2) RS-232 through one multimode fiber. This unique fiber optic transmission system lets your digital flat panel display extend up to 400m at WUXGA (1920x1200 @ 60Hz) resolution.

No user adjustment is required for the Mini-**RGB-AD** 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. In addition, the Mini-**RGB-AD** transmitter (or receiver) is compatible with our Mini-HDMI-AD or Mini-DVI-AD receiver (or transmitter). This makes both fiber transmission and RGB-to-HDMI/DVI conversion in one single setup. The Mini-**RGB-AD** supports video resolution up to WUXGA (1920 x 1200 @ 60 Hz) or 720p/1080i/1080p HDTV video resolution.

Model Configuration	RGB Resolution	YPbPr Resolution
Mini- RGB-AD	Up to 1600x1200 @ 60Hz	Up to 1080p @ 60Hz
Mini- RGB-AD-W	Up to 1920x1200 @ 60Hz	Up to 1080p @ 60Hz



DOING MORE WITH ONE FIBER plus IP



Mini-RGB-AD

Multimedia Transmission Systems



Miniature Multimode Fiber Optic RGB/YPbPr Transmission Systems

Video

Resolution	
Mini-RGB-AD	Up to 1600x1200 @ 60Hz (RGB) Up to 1080p @ 60Hz (YPbPr)
Mini-RGB-AD-W	Up to 1920x1200 @ 60Hz (RGB) Up to 1080p @ 60Hz (YPbPr)
Connector	HD-15

Audio

Channel Capacity	2
Operating Mode	Unbalanced (Stereo Audio), Bi-directional
Input/Output Impedance	10k/50 Ohms (Stereo Audio)
Max. Input/Output Level	5 dBu/4Vpp (Stereo Audio)
Magnitude Freq. Response	20Hz to 20kHz @ -3dB
THD+N	>70dB @ 1k Hz (Stereo Audio)
Connector	Terminal Block

Serial Data

Channel Capacity	2
Signal Format	RS-232
Data Rate	Up to 57.6Kbaud
Connector	Terminal Block

Optical

Fiber Type	Multimode
Number of Fibers	1
Connector	SC

Physical

Dimension (H x W x D)	1.2" x 3.0" x 3.6"
Power Level (max.)	+5VDC @ 1.2A
Operating Temperature	0 to +50°C
Humidity	0 to 95% RH, non-condensing

Applications



Ordering Information

Mini-RGB-AD-T-M-SC	Transmitter, UXGA, Multimode, 1-Fiber	
Mini-RGB-AD-R-M-SC	Receiver, UXGA, Multimode, 1-Fiber	
Mini-RGB-AD-T-M-SC-W	Transmitter, WUXGA, Multimode, 1-Fiber	
Mini-RGB-AD-R-M-SC-W	Receiver, WUXGA, Multimode, 1-Fiber	

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

