

▶ VAB700 Video/Audio, One way

▶ DESCRIPTION

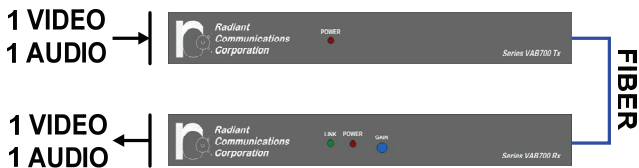
Radiant Communications VAB700 Series can be ordered as a multimode or Singlemode transmission system. The system can transmit distances of up to 140+ km on Singlemode fiber, and 8 km on multimode. The Series is capable of transmitting one way video and audio over one fiber, and can be ordered as a standalone or rack mounted in our CR200 19" x 5.25" rack. Like all Radiant Communications transmission systems, no adjustments are required at time of installation, or anytime thereafter

▶ BENEFITS

Simultaneous Video/Audio, one way over one fiber
Broadcast quality — RS-250 Medium Haul
Transmission distances of 100 km or more

▶ FEATURES

Analog Audio/Video Transmission
Singlemode and Multimode versions available
NTSC/PAL compatible



**Radiant
Communications
Corporation**

Phone: 908 757 7444
Fax: 908 757 8666
E-mail: sales@rccfiber.com
www.rccfiber.com

P.O. Box 867
South Plainfield
NJ 07080
USA

7/2006

▶ VAB700 Video/Audio one way

SPECIFICATIONS

RS250 Medium Haul Video

Video Level: 1 Volt peak to peak
 Video Bandwidth: 8 MHz
 SNR/CTN: > 60 dB
 I/O Impedance: 75 Ohms

Audio

Input/Output Signal Level: 0dB (2 Volts peak to peak)
 Input/Output Impedance: 10 k or 600 Ohms
 Bandwidth: 16 kHz

Optical

Wavelength: 850nm, 1310nm, 1550nm,
 Number of Fibers: 1
 Power Budget: see table below

General Characteristics

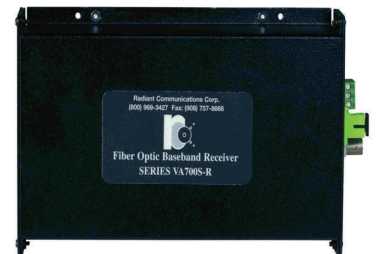
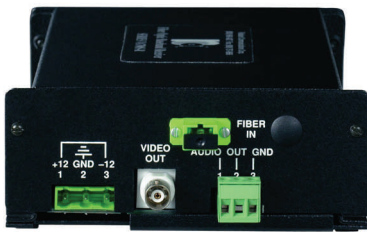
Power: 5W @ 90 to 240V AC
 Operating Temp: -20° to 50° C
 Storage Temp: -40 to 85° C
 Size: rackmount 17.0" W x 13.0" D x 1.75" H
 Can/module 2.8" W x 3.75" D x 1.1" H
 Card cage 2 Slots in CR200 card cage

ORDERING INFORMATION

PART NUMBER	DESCRIPTION	ATTENUATION	MAX DISTANCES
VAB700M-T-XY8 VAB700M-R-XY8	Transmitter A/V, Multimode 850nm Receiver A/V, Multimode 850nm	14dB	4km
VAB700ML-T-XY2 VAB700ML-R-XY2	Transmitter A/V, Multimode 1300nm Receiver A/V, Multimode 1300nm	12dB	8km
VAB700S-T-XY3 VAB700S-R-XY3	Transmitter A/V, Singlemode 1310nm Receiver A/V, Singlemode 1310nm	18dB	50km

Note:

- Specify X—packaging of the unit: U—IU rack mount, M—modular (standalone), R—card cage rack mount
- Specify Y—connector type: A—SC/APC, E—SC, B—FC, Z—FC/APC, D—ST
- Add -48 for 48VDC power
- For higher distances contact factory
- Due to product enhancements, specifications are subject to change without notice.



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