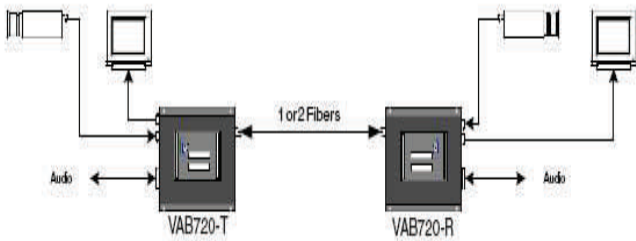


## DESCRIPTION

The VAB720 is a true plug and play operation, no adjustments are required at time of installation or anytime thereafter. The VAB720 is capable of transmitting two-way video and audio over one fiber. Distances of a 100km and more are available. Options are available for one and two fiber operation as well as CWDM and DWDM (ITU grid).



## VAB720 Fiber Optic Transceiver 2 way Audio and Video

### BENEFITS

- Simultaneous two way transport over one fiber
- Converts any audio video signal to fiber
- Transmission distances over 100 km

### FEATURES

- One and two fiber versions
- Broadcast Quality—RS250 Medium Haul
- Diagnostic Indicators
- Options for CWDM and DWDM Systems (ITU Grid)



**Radiant  
Communications  
Corporation**

Phone: 908 757 7444 or 800 969 3427  
Fax: 908 757 8666  
E-mail: [sales@rccfiber.com](mailto:sales@rccfiber.com)  
[www.rccfiber.com](http://www.rccfiber.com)

P.O. Box 867  
South Plainfield  
NJ 07080  
USA

2/2005

# ▶ VAB720 Fiber Optic Transceiver 2 way Audio Video

## SPECIFICATIONS

### Video

Video Bandwidth: 8 MHz  
Signal to Noise Ratio: >60 db  
Input Level: 1 volt peak to peak  
I/O Level: 75 Ohms  
Video Connector: BNC

### Audio

Input Impedance: 10 K Ohms  
Input Signal Level: 4 V peak to peak (6dB) Max.  
Output Impedance: 10 K Ohms  
Output Signal Level: 4 V peak to peak (6 dB) Max  
Bandwidth: 20 Hz to 24 KHz

### Optical

Wavelength: 850nm, 1310nm, 1550nm  
Number of Fibers: 1 or 2  
Optical Connector: SC/APC, SC, ST, FC, FC/APC

### General Characteristics

Power: 0.25 A @ 12-16 VDC, or  
5 W @ 12-14 VAC  
Operating Temperature: -20° to 50° C  
Storage Temperature: -40° to 85° C  
Size: 1 U High Rackmount 17.0" W x 13.0 D x 1.75" H  
Can/Module 5.25" W x 12.0" D  
Rack Slots: 2 in CR200 card cage

## ORDERING INFORMATION

PART NUMBER	DESCRIPTION	ATTENUATION	MAX DISTANCES
VAB720/M-XY8	Video and Audio Transceiver 1 Fiber, Multimode 850/1310 nm	10 dB	4 km
VAB720/S-XY3	Video and Audio Transceiver, 1 Fibers, Singlemode 1310/1550 nm	18 dB	50 km

### Note:

- Specify X—packaging of the unit: U—IU rack mount, M—modular (standalone) mount
- Specify Y—connector type: A—SC/APC, E—SC, B—FC, Z—FC/APC, D—ST
- For higher optical budgets please contact factory



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