Radiant Communications VAB710 Series can be ordered as a multimode or Singlemode transmission system. The system is a studio quality video/audio baseband system. The link will transmit one video and two audio signals over very long distances and still meet RS250C Short Haul specifications. The VAB710 Series is a 12 Bit digital transmission system that connects to standard analog NTSC video/audio. Like all Radiant Communications transmission systems, no adjustments are required at time of installation, or anytime thereafter.

**VAB710 Video/2 Audio channels, One way**

**FEATURES**
- Digital Audio/Video Transmission
- NTSC/PAL compatible
- CWDM and DWDM Versions available

**BENEFITS**
- Simultaneous Video/ 2 Audios, one way over one fiber
- Broadcast quality — RS-250 Short Haul
- Transmission distances of 80 km or more

Phone: 908 757 7444 or 800 969 3427  
Fax: 908 757 8666  
E-mail: sales@rccfiber.com  
www.rccfiber.com
VAB710 Video/2 Audio Channels, One Way

SPECIFICATIONS

RS250 Short Haul Video

- 12-bit Digitally Encoded Video
- Video Level: 1 Volt peak to peak
- Video Bandwidth: 8 MHz
- SNR/CTN: > 70 dB
- I/O Impedance: 75 Ohms

Audio

- 24-bit Digitally Encoded Audio
- Input/Output Signal Level: 0 dB (2V p-p)
- Input/Output Impedance: 10k or 600 Ohms
- Bandwidth: 20 Hz to 24 kHz

Optical

- Wavelength: 850 nm, 1310 nm, 1550 nm
- 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

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>ATTENUATION</th>
<th>MAX DISTANCES</th>
</tr>
</thead>
<tbody>
<tr>
<td>VAB710M-T-UY8</td>
<td>Transmitter A/V, Multimode 850 nm</td>
<td>10 dB</td>
<td>2 km</td>
</tr>
<tr>
<td>VAB710M-R-UY8</td>
<td>Receiver A/V, Multimode 850 nm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VAB710ML-T-UY2</td>
<td>Transmitter A/V, Multimode 1300 nm</td>
<td>12 dB</td>
<td>8 km</td>
</tr>
<tr>
<td>VAB710ML-R-UY2</td>
<td>Receiver A/V, Multimode 1300 nm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VAB710S-T-UY3</td>
<td>Transmitter A/V, Singlemode 1310 nm</td>
<td>18 dB</td>
<td>50 km</td>
</tr>
<tr>
<td>VAB710S-R-UY3</td>
<td>Receiver A/V, Singlemode 1310 nm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note:
- Specify Y—connector type: A—SC/APC, E—SC, B—FC, Z—FC/APC, D—ST
- Add –48 for 48 VDC power
- For higher optical budgets and distances, 1550 nm versions, CWDM and DWDM systems, contact factory