

▶ VAB740 | Video/4 Audio channels

DESCRIPTION

Radiant Communications VAB740 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 four audio signals over long distances and meet RS250C Short Haul specifications. The VAB740 Series is a 12 Bit digital video and 24 Bit audio 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.



▶ BENEFITS

Simultaneous Video/ 4 Audios, one way over one fiber
Broadcast quality — RS-250 Short Haul
Transmission distances of 80 km or more

▶ FEATURES

12 Bit Digital Video/ 24 Bit Audio Transmission
NTSC/PAL compatible
CWDM and DWDM Versions available

1 VIDEO
4 AUDIO



1 VIDEO
4 AUDIO



FIBER



**Radiant
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▶ VAB740 | Video/4 Audio RS250C Transmission System

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

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

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: 17.0" W x 13.0D x 1.75" H

ORDERING INFORMATION

PART NUMBER	DESCRIPTION	ATTENUATION	MAX DISTANCES
VAB740M-T-UY8 VAB740M-R-UY8	Transmitter A/V, Multimode 850nm Receiver A/V, Multimode 850nm	10dB	2km
VAB740ML-T-UY2 VAB740ML-R-UY2	Transmitter A/V, Multimode 1300nm Receiver A/V, Multimode 1300nm	12dB	8km
VAB740S-T-UY3 VAB740S-R-UY3	Transmitter A/V, Singlemode 1310nm Receiver A/V, Singlemode 1310nm	18dB	50km

Note:

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



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