Radiant VASHX700S Series is capable of transmitting up to 32 baseband video and 128 audio signals over one single-mode fiber for distances of 100+ kilometers.

The optional VASHX-RP (Repeater) can be used to extend the distance of the system to over 500KM. For central management, you can add the optional NMS modules for real-time networked diagnostic information. Options are available for drop-and repeat or insert and repeat applications.

This system is field expandable. You must order at least two video channels. In the future, additional video cards can be added as required.
SPECIFICATIONS

RS250 Short Haul Video

12-bit Digitally encoded Video
Video Level: 1 Volt peak to peak
Video Bandwidth: 6 MHz
SNR/CTN: > 67 dB
I/O Impedance: 75 Ohms

Audio

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

Optical

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

General Characteristics

Power: 15W @ 90 to 240V AC
Operating Temp: -20° to 50° C
Storage Temp: -40 to 85° C
Size: 17.0” W x 13.0D x 3.5” H

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>WAVELENGTH</th>
<th>OPTICAL BUDGET</th>
<th>DISTANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>VASHX7XYS-T-2Z3</td>
<td>Transmitter A/V</td>
<td>1310nm</td>
<td>10db</td>
<td>25km</td>
</tr>
<tr>
<td>VASHX7XYS-R-2Z3</td>
<td>Receiver A/V</td>
<td>1310nm</td>
<td>10db</td>
<td>25km</td>
</tr>
</tbody>
</table>

Note:
- Specify X—number of video channels
- Specify Y—number of Audio channels
- Specify Z—connector type: A—SC/APC, E—SC, B—FC, Z—FC/APC, D—ST
- Add –NMS to part number for NMS status monitoring
- Add –E to part number for expandable units
- For higher distances, budgets, 1550nm versions, CWDM and DWDM systems, contact factory