



Foxcom's BsmarTV AL5R3 Compact Receiver

Key Features

- 2-5 L-Band (SAT-IF) Polarities
- 1 Cable TV/DTT/DAB (54-860 MHz, 10-20 channels)
- High Output Power
- Low Power Consumption
- Small Footprint / Low Profile
- Plug and Play Deployment

Key Benefits

- Wall-mount Transmitter and Receiver Units
- No adjustments required
- Simplifies system design
- Easy to install



Wall Mounted 5 L-Band RX

Description

Foxcom's AL5R3 optical receiver is part of the BsmarTV suite of products. The AL5R3 receivers are a cost effective system to distribute between two and five L-Band (SAT-IF) polarities, Cable TV and digital terrestrial signals. The AL5R3 receiver is designed for deployments in small and medium sized buildings as well Fiber to the Home (FTTH) installations. The AL5R3 suite of receivers is a cost competitive solution to traditional coaxial cable deployments.

The AL5R3 is housed in a compact housing specifically designed for deployments where space is at a premium. The AL5R3's small footprint, low power consumption and high output power can serve multiple homes from a single receiver, making it an ideal solution for both small and medium deployments. The AL5R3 is a "plug and play" product without the need for any manual adjustments making installations quick and easy.

Receiver Part#: **AL5R3**

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Foxcom's BsmarTV AL5R3 Compact Receiver Product Specifications

	AL5R3-51 / AL5R3-52		AL5R3-55
RF Output	Channel 1/2	Channel 1	Channels 1 - 5
	L-Band (SAT-IF)	Cable TV	L-band (SAT-IF)
Output Power	-30dBm / tp @ Pin = -5dBm optical for 48 transponders	+15dBmV / ch @ PIN = -5dBm optical for 10 channels	-30dBm / tp @ Pin = -10dBm optical for 48 transponders
Operating Frequency (MHz)	200-2500	54-860 / 85-860 (10-20 channels)	200-2500
CNR @ Pin = -5dBm (OMI = 3.5%)	N/A	48dB (typical)	N/A
CSO @ Pin = 0dBm	N/A	56dBc	N/A
CTB @ Pin = 0dBm	N/A	60dBc	N/A
Output Return Loss	-9dB		
RF Output Impedance	75 Ohms		
RF Connector Type	f-type female		
Optical Input			
Optical Wavelengths (nm)	1310/1550/1570	1530	CWDM 1610-1510
Maximum Input Power	-8dBm	1dBm	-8dBm
Minimum Input Power	-16dBm	-4dBm	-16dBm
Return Loss	-45dB		
Fiber Type	SMF-28 (or equivalent)		
Optical Connector	SC/APC		
General			
Power Connector	Round 2 pin 1.9mm DC power (male)		
Supply Voltage (VDC)	12V 2A		
Maximum Current Drain	400mA		
Operating Temperature	-10°C - +55°C		
Storage	-45°C - +85°C		
Dimensions	208 x 38 x 131		208 x 58.6 x 131

All specifications are subject to change without notice.

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