

The Porta Systems PS-211-ABR Active Balun Receiver is an amplified device that allows reception from real-time monochrome or color video up to 6,000 ft. (1829m) of CAT 5 unshielded twisted pair (UTP) cable.

Real-time monochrome or color video can be distributed **up to 9,000 ft (2743m)** of CAT 5 unshielded twisted pair (UTP) cable when used with Porta Systems PS-211-ABT Active Balun Transmitter.



PS-211-ABR

FEATURES & BENEFITS

- Distribute video via UTP up to 6,000 ft. (1829m) NTSC with Passive Transceiver
- Distribute video over UTP up to 9,000 ft. (2743m) NTSC with Active Transmitter
- Tuning switches allow precise adjustment of the amplification to ensure negligible signal loss and distortion
- Built-in common-mode surge protection and ground loop isolation
- Fits on the PS-AB1U and PS-AB2U to be part of the Modular Head-End Connection and Protection Solution
- Detachable screw terminals for easy installation
- Accepts 12VDC and 12-24V AC Power

Applications

- Receive video signal from one (1) fixed CCTV cameras over CAT5 or better UTP cable for distances from just over 1000 ft (305m) up to 9000 ft (2743m).
- Consolidate signals at the head end.
- Provide surge protection for monitoring and recording equipment and the data it collects.

Wire and Cable Configuration

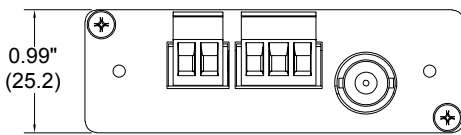
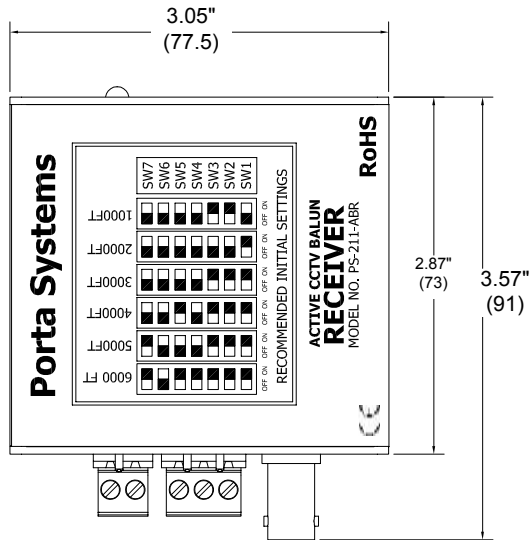
One (1) female BNC connector for cable to recording and monitoring equipment

Two (2) detachable screw terminals (30 AWG through 14 AWG), one two-point terminal for video over unshielded twisted pair (UTP) cabling, and one three-point for power and grounding point for the protection system

ORDERING INFORMATION

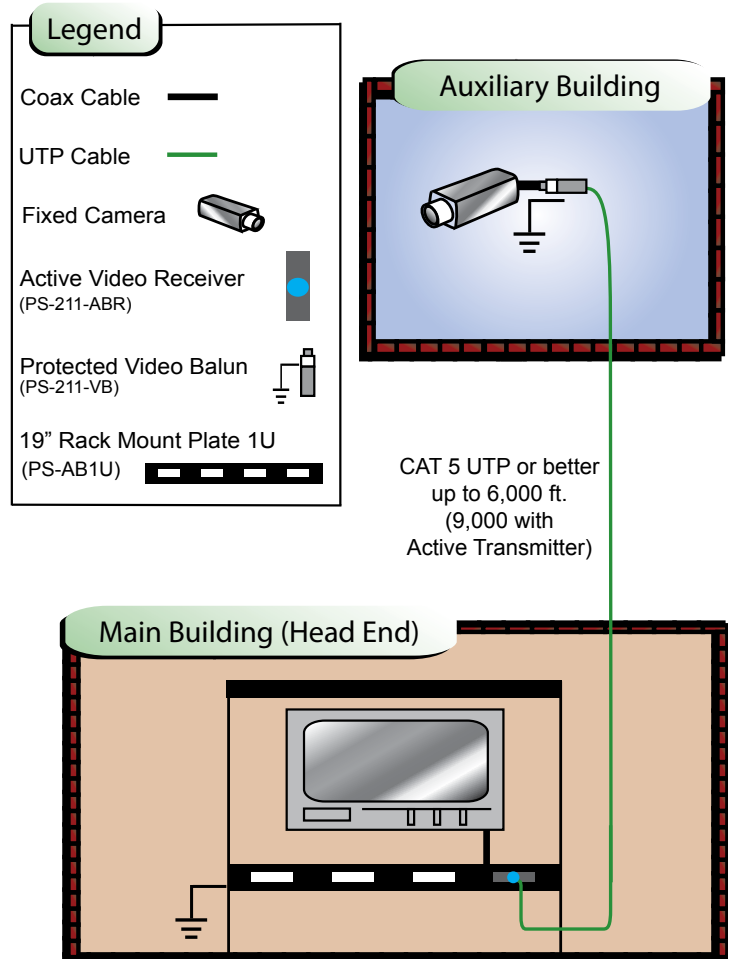
Model No.	Description
PS-211-ABR	Active CCTV Receiver

RECEIVER MECHANICAL SPECIFICATIONS:
millimeters ()



Weight (approx.)	Operating Temperature	Relative Humidity
4.44 oz 126 g	5°F to 113°F -15°C to 45°C	98% RH max non-condensing

APPLICATION EXAMPLE:



Electrical Specifications

Video			
Frequency Response:	DC to 6 MHz	Max. Distance: 6,000 ft. (1829m) Color/B&W; CAT 5 UTP; NTSC 5,000 ft. (1524m) Color/B&W; CAT 5 UTP; PAL	
Image Adjustment:	7-Position Dip Switch	Common Mode Rejection: 10 KHz to 6 MHz 50 dB Typ	
Impedance:	Coax (Female BNC) 75 ohms, UTP Screw Terminal Block 100 ohms		
Wire Type			
Network Wiring:	UTP 24-22 AWG (0.5-0.65mm)	UTP Category:	5 or better
Impedance:	100± 20 ohms	Differential Capacitance:	19 pF/ft max
DC Breakdown Voltage:	6.8VDC	Nominal Working Voltage:	5VDC
Response Time:	<5 ns	Max Surge Current:	220A
LED Indicator:	Green "Power On"		
Power Supply:	12-24 VAC 100mA max, 60-50 Hz		