



One Room - One Cable™



DXE-CAT-RX3-A Architectural Specification

DXE-CAT-RX3-A HDBaseT Receiver w/Amplifier:

The DXE-CAT-RX3-A shall be an HDBaseT compliant Receiver capable of receiving HDMI Video and Audio with control over a single CAT5e/6/6a shielded or unshielded cable with distances over 330ft and up to 600ft using CAT6a shielded with a max resolution of up to 1080P 60Hz. This unit shall have an on-board two (2) channel amplifier capable of driving up to four (4) speakers with a total power of 35 watts (RMS) per channel at 4ohms. This amplifier volume shall be controlled by a simple manufacturer-provided serial protocol able to be communicated from any 3rd party serial controller. This serial control shall be able to be connected directly to the unit or passed over the HDBaseT CAT cable from the transmitter side. The unit shall be capable of de-embedding any 2-channel audio being passed to the unit with individual volume control via RS232 independent of the amplifier volume level. This de-embedded audio output shall be accessible via a balanced line-level output on a removable four (4) post Euro-style screw terminal on the rear of the unit. The unit shall have a two (2) channel balanced line-level audio input for incorporating background/mic/paging signals. This audio input shall be independently controllable via RS232 for level allowing it to be mixed into the programming material. The unit shall have two (2) normally open relays controllable via serial RS232 for toggle and discrete open or closed functions. The relays shall have a max current rating of one (1) Ampere at 24vDC. The unit shall have two (2) RJ45 10/100BaseT LAN connections . The unit shall be powered by a single 90 watt power supply and be capable of sending power back down the HDBaseT CAT cable to power any Aurora HDBaseT Transmitter. The unit shall be mountable via angle brackets affixed to the side of the unit allowing it to be wall or surface mounted. All useable connections should be accessible on the rear of the unit only.



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DXE-CAT-RX3 Specifications:

Technical	
Max Distance	600ft
Max Resolution	1080p 60Hz
Color Depth	48bit 330ft (CAT5e)24bit 600ft(CAT6A)
HDMI	1.4 3D
Mechanical	
Dimensions	215mm x 97mm x 33mm [8.46"L x 3.82"W x 1.3"H]
Weight	2 lbs
Power supply	24V 24 Watt or 24V 90 Watt DC (Required on amplifier models)
Mounting	Wall Mount
Operation temperature	0~40°C [32~104°F]