

HDMI HDBaseT CAT Extender Series

Features

- ◆ Transmit HDMI up to 600ft (183m)*
- ◆ All connectors on one side for easier installation
- ◆ Bi-directional RS-232 & IR & LAN
- ◆ Power both units from TX or RX side with wall power supply (HDBaseT POE)
- ◆ LAN POE (Power-Over-Ethernet) can power both TX & RX without wall supplies (*Patents Pending*)
- ◆ Serve up web pages for remote control of the RS-232 & IR ports or use as port expander for control systems (*Patents Pending*)
- ◆ Status LED for all connections on front
- ◆ Various mounting options
- ◆ Comes in a variety of models for different features & cost savings



Patents Pending
Made in the USA



The DXE-CAT is part of the growing Digital Xtreme Series. This product is different than the typical CAT extender found on the market today as it not only breaks the price barrier but the feature and usability aspects as well. All connectors are on one side to make wiring cleaner and rack mounting easier. Having the ability to power the device with the choice of transmit or receive reduces the installation time and keeps things neat. An industry first is Aurora's exclusive Power-Over-Ethernet circuit, which allows both the transmitter and receiver to be powered without the need of any wall supplies.

Being able to go the distance is important too, and HDBaseT technology helps achieve that. With a single CAT cable, the DXE-CAT can go up to 328ft 1080p 60Hz 48bit color depth, 500ft 1080p 60Hz 24bit (CAT 6), or 600ft 1080p 60Hz 24bit (CAT 6A Shielded) depending on model and cable. In addition, the RS-232, IR, & LAN can be sent over the same cable bi-directionally.

Another industry first is the ability to serve up web pages via LAN to any device with a browser (ex. iPad, iPhone, PC, Android) to take control of the RS-232, IR, and LAN. This is done with the Aurora LXC control system engine inside, so not only is the DXE-CAT an HDMI extender, but a full blown autonomous control system that can work stand-alone or as a port expander for any control system on the market.

Aurora once again is setting the bar for form and functionality at a reasonable price.

Technical Specifications

Model Name	DXE-CAT		
Technical	DXE-CAT-S1	DXE-CAT-S2	DXE-CAT-S2C
Max Distance	230ft*	600ft*	600ft*
Max Resolution	1080p 60Hz	1080p 60Hz	1080p 60Hz
Color Depth	36bit	48bit 330ft (CAT5e) 24bit 600ft(CAT6A)	48bit 330ft(CAT 5e) 24bit 600ft (CAT6A)
RS-232	Max 115kbps	Max 115kbps	Max 115kbps
IR without LXC	38kHz	38kHz	38kHz
IR Output with LXC	30Hz-100kHz	30Hz-100kHz	30Hz-100kHz
IR Input with LXC	38kHz	38kHz	38kHz
LAN	No	2 - 10/100	2 - 10/100
LAN POE	No	Port 1	Port 1
IP Control System	No	No	Yes
Web Server	No	No	Yes
Real-Time Clock	No	No	Yes
Front LED Status	Power, Status, HDMI, HDBaseT, RS-232 TX/RX, IR In/Out	Power, Status, HDMI, HDBaseT, RS-232 TX/RX, IR In/Out	Power, Status, HDMI, HDBaseT, RS-232 TX/RX, IR In/Out
Front Selections	Reset	Reset	Reset/Setup
LAN Connectors	N/A	Dual 8P8C with 2 LED indicators each	
HDBaseT Connector	RJ-45 WE/SS 8P8C		
RS-232 Connector	3.5mm TRS		
IR Connector	3.5mm TRS (Auto Sensing Direction for Blaster or Receiver)		
HDMI Connector	Type A 19 pin		
Power Connector	Diameter 1.35mm ID, 3.5mm OD		
Mechanical	DXE-CAT		
Housing	Black Aluminum enclosure		
Dimensions [L x W x H]	120mm x 77mm x 27.94mm [4.72" x 3.03" x 1.1"]		
Weight	395g [14 oz] TX / 395g [14 oz] RX		
Mounting	Wall-mounting & Rack Mounting		
Power supply	24 .65A DC (Only 1 required on either TX or RX)		
Power consumption	5 Watts (TX) 7 Watts (Rx) [max]		
Operation temperature	0~40°C [32~104°F]		
Storage temperature	-20~60°C [-4~140°F]		
Relative humidity	20~90% RH [no condensation]		
Package Contents	1x DXE-CAT-T(x) (x= 1, 2, 2C accordingly) 1x DXE-CAT-R(x) (x= 1, 2 accordingly) 1x 24V DC 15 Watt Wall Supply 1x DXE-CAT-E1 Wall / Desk Mount Ears 1x User Manual		
Options	IR Receiver 38KHz (CA0026-1) IR Emitter (CA0012-1) DXE-CAT-RK3 3RU 16 unit Rack Mount		

Note: DXE-CAT-S(x) are sold as pairs.

DXE-CAT-RK3



RS-232 3.5mm Adaptors



IR Emitter



IR Receiver



Note: Specifications subject to change without notice.

***Important: Read User Guide for full specification.**