Specifications







Eaton B163-001

4K Universal AV over IP Encoder (Transmitter) - 4K 60 Hz, HDR10 with HDMI, DisplayPort and USB-C Inputs, TAA

General specifications	
PRODUCT NAME	Eaton Tripp Lite series transmitter
CATALOG NUMBER	B163-001
UPC	037332300508
PRODUCT LENGTH/DEPTH	1.14 in
PRODUCT HEIGHT	6.7 in
PRODUCT WIDTH	5.01 in
PRODUCT WEIGHT	1.45 lb
COMPLIANCES	RoHS CE Marked REACH WEEE Directive TAA Compliant
CERTIFICATIONS	NOM
GLOBAL CATALOG	B163-001
PRODUCT TYPE	Transmitter

Powering Business Worldwide

Product specifications

AC POWER ADAPTER PLUG(S)	NEMA 1-15P North America
COLOR	Black
PACKAGE CONTENTS	4K AV over IP Encoder (Transmitter) IR remote control IR-IN cable IR-OUT cable RS-232 Phoenix connector External power supply (Input: 100–240V, 50/60 Hz, 0.6A Max; Output: 24V 1A) with mini-DIN connector, 5 ft. (1.5 m) (4) International plug adapters: NEMA 1-15P (North America), CEE 7/16 Schuko (Europe), BS 1363 (UK) and AS/NZS 3112 (Australia) Surface-mounting hardware Installation instructions
SYSTEM REQUIREMENTS	Source device with HDMI, DisplayPort or USB-C video output One or more B163-100 AV over IP decoders (sold separately) Cat5e/6 cabling (24 AWG solid-wire recommended for best results) IGMP-capable managed Gigabit Ethernet switch for multi-decoder deployments Local HDMI display and HDMI cabling for source-side monitoring (optional) AC power: 100–240V input/24V 1A output (included PSU)
CONNECTOR PLATING	Nickel
CONNECTOR TYPE	Video Audio USB/Thunderbolt/Lightning Networking-copper
PRODUCT FEATURES	3D Video Supported HDR Support IR Remote Extension Support Rackmountable 10/100 Ethernet Extension Support

Resources

	Power Over Cable (PoC) Support RS-232 Serial Extension Support USB Extension Support Mounting Accessory Included Daisy-chainable / Cascadable EDID Compatible
COLOR DEPTH	12-bit 36-bit Deep Color
PACKAGING TYPE	Box
CHROMA SUB SAMPLING	4:2:0 4:2:2 4:4:4
EXTERNAL POWER SUPPLY CERTIFICATIONS	C-Tick CE FCC PSE RoHS TUV UL WEEE cUL
POWER SOURCE TYPE	AC Adapter
PORT SELECTION	Pushbutton Remote selector
HDCP SPECIFICATION	2.3
SIDEA CONNECTOR1	3.5MM (FEMALE)
SIDEB CONNECTOR1	RJ45 (FEMALE) MICRO-USB B (FEMALE)
SIDEA CONNECTOR2	MICRO-USB B (FEMALE)
SIDEB CONNECTOR2	USB C (FEMALE)
DC BARREL PLUG	OD: 5.5 x 2.1 x 7.5 mm, positive pin, negative sleeve
SIDEB CONNECTOR3	DISPLAYPORT (FEMALE) RJ45 (FEMALE)
VOLTAGE COMPATIBILITY (VAC)	100 VAC 110 VAC 120 VAC 125 VAC 127 VAC 200 VAC 208 VAC 220 VAC 230 VAC 240
SIDEB CONNECTOR4	HDMI (FEMALE)
TECHNOLOGY	Cat5/5e Cat6 DisplayPort

	HDMI USB
OPERATING TEMPERATURE RANGE	32° to 104°F (0° to 40°C)
RELATIVE HUMIDITY	0 to 85% RH, Non-Condensing
STORAGE TEMPERATURE	5° to 122°F (-15° to 50°C)
TRANSMISSION RANGE	328 ft. (100 m)
BTU RATING	DC: 16BTU; POE: 20BTU
LED INDICATORS	Power: Solid Green. Transmitter Link: Orange. RJ45 Jack: Green (Connection), Orange (Transmission).
MATERIAL OF CONSTRUCTION	SECC
NUMBER OF PORTS	10
RECOMMENDED CATEGORY CABLE	Cat5e / Cat6
OPERATING TEMPERATURE	32° to 104°F (0° to 40°C)
SIGNAL RANGE	328 ft
CONNECTOR GROUP	HDMI 3.5mm Micro USB DisplayPort RJ45
CONNECTOR	HDMI (female) 3.5mm (female) Micro USB-B (female) DisplayPort (female) RJ45 (female)
SUPPORTED RESOLUTION	1280x720 (720p) 1920x1080 (1080p) 3840x2160 (4K)
FITTINGS INCLUDED	Mounting Accessory Included
AC PLUG TYPE	AS/NZS 3112 BS1363 CEE 7/16 Schuko NEMA 1-15P
NETWORK PORTS	RJ45 (FEMALE)
VIDEO INPUT	DISPLAYPORT (FEMALE) HDMI (FEMALE) USB C (FEMALE)
VIDEO OUTPUT	HDMI (FEMALE)
VIDEO PORTS	HDMI (FEMALE)
MAX SUPPORTED VIDEO RESOLUTION	3840 X 2160 @ 60HZ
RECEIVER/TRANSCEIVER VIDEO OUTPUT	HDMI

RECEIVER - NUMBER OF VIDEO OUTPUTS	2
AUDIO SPECIFICATION	7.1 CH LPCM (LINE-IN)
AC POWER ADAPTER INPUT SPECS (V / HZ / A)	100-240V / 50/60Hz / 0.5A
AC POWER ADAPTER OUTPUT SPECS (V / A)	5V / 3A
VIDEO PORTS DETAILS	HDMI 2.1 HDCP 2.3
POWER CONSUMPTION DETAIL	TX: 2W, RX: 2W
DAISY-CHAINABLE / CASCADABLE DETAILS	Up to 30 Units
LATENCY	2 ms (2160P)
TRANSMITTER - NUMBER OF VIDEO OUTPUTS	1
AC POWER ADAPTER CORD LENGTH	4.9 ft
POWER CONSUMPTION	24 W
TRANSMITTER VIDEO INPUT	DisplayPort HDMI USB-C

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

Eaton Corporation plc Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

© 2026 Eaton. All Rights Reserved.

Follow us on social media to get the latest product and support information.