

NETWORK EDGE BROADCAST ENCAPSULATOR

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BB450T-IP Broadcast Video & Multichannel Audio Encapsulator

BB450R-IP Broadcast Video & Multichannel Audio Decapsulator

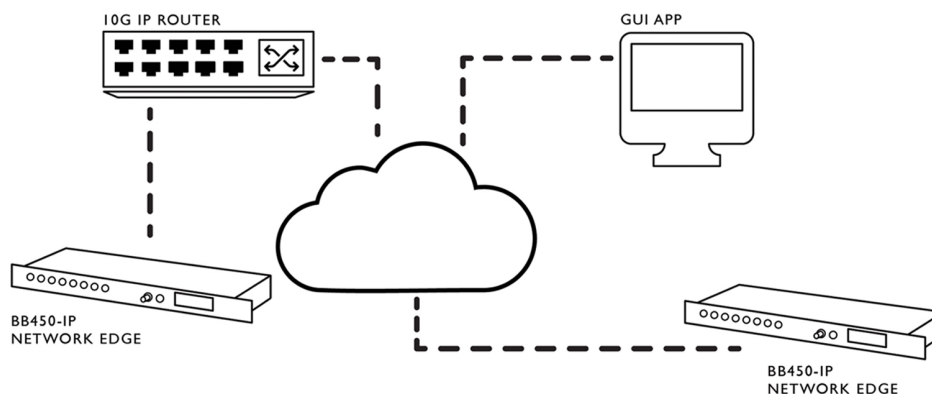
The BB450T-IP is a professional Broadcast Network Edge Encapsulator that wraps 3G-SDI and eight channels of Differential Line Level Audio in an IP Stream for both SMPTE 2022-6/7 and SMPTE 2110.

The BB450R-IP is a professional Broadcast Network Edge Decapsulator that extracts 3G-SDI and eight channels of Differential Line Level Audio from both SMPTE 2022-6/7 and SMPTE 2110 IP Networks.

They are part of our Edgware range that has been designed to convert conventional Broadcast workflow to IP based systems. Broadcast systems can be extended over 10G networks. With Unicast or Multicast functionality and Singlemode fibre operation, the BB450 Edgware can be sited close to the action and far away from the IP network Point of Presence. An "In Band" GUI is used to control and configure the ingest and output destination devices and switch between SMPTE 2022 and SMPTE 2110. The front panel display shows the Host MAC and IP address and the Destination Address. The BB450 can be used as a network edge device for AES67, AVB and Dante when used in SMPTE2110 mode. Once the Video and Audio are in the IP world, Broadcast IP tools can be used to create, edit and produce content.



EDGWARE



BROADCAST MEDIA NETWORK SOLUTIONS

MADE IN ENGLAND

General Specifications

Input & Output	
Video	
Connector	BNC
Standards	3G-SDI, HD-SDI, SD-SDI
Compliance	SMPTE ST424M, 292M 259M
Data Rates	270Mb/s to 3Gb/s
Audio	
Connector	3-Pin XLR Panel Mount Plug/Socket
Standards	Differential Line Level Analogue Audio
Compliance	18dBFS i/p to 0dBu o/p (Europe) -24dBFS i/p to 0dBu o/p (USA)
Optical SFP characteristics	
Wavelength	1310nm
SFP Data Rate	10Gb/s
SFP Transceiver	10G Ethernet Optical Transceiver
Conformities	
EMI/RF	Complies with 89/336/EEC and EN55022B
EMC	Complies with EN61000-4-2, EN61000-4-4(Level 2), EN61000-4-4FTB, EN61000-4-5 and EN61000-4-11
Electrical Immunity	Complies with EN61000-6-1, EN6100-6-2, EN61000-6-3 and EN61000-6-4
Laser Safety	Class 1 Laser Safety compliant, for additional conformities see datasheet of SFPs fitted
RoSH	Complies with Directive 2002/95/EC
Physical	
Depth	160mm
Width	19ins. (482mm)
Height	1RU (42mm)
Weight	1.5kg
Operating Temperature	-30C to +70C
Power	4.5 to 17V DC 60W

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