



The IPX-100 is an external IP gateway for the Unicom XE and Unicom HD cameras. By converting baseband signals to and from IP streams, the IPX-100 integrates the Unicom cameras directly into the ST2110 media-over-IP network. Using the trusted SMPTE hybrid fiber optic cable, the IPX-100 provides a stable connection and supplies remote power to the connected camera head. The IPX-100 is ideal for those who are looking to adopt IP remote production while maintaining the familiar workflow of baseband live production.

Form factor

The compact 2U half-rack enclosure enables high-density mounting in an EIA rack. It is also easy to transport, making it ideal for field use. It is highly effective for a wide range of live video production applications.

Maximum cable extension

The IPX-100 is connected to the Unicom series camera head via a conventional SMPTE hybrid fiber optic cable. The IPX-100 provides remote power to the camera head up to 3500m.

Option

■ IP Gateway function

The IPX-100 offers an optional IP Gateway function that can utilize one of the conversion channels for external input or output, allowing SDI devices to seamlessly connect to the ST2110 media-over-IP network. This option can flexibly meet the requirements arising at the production sites, by making it possible to monitor a selected IP video stream on an SDI monitor or add an SDI source as an IP video stream - all without needing an external IP gateway device.

■ JPEG XS

The IPX-100 optionally supports JPEG XS (SMPTE ST2110-22 compliant) encoding and decoding. For remote production, where transmission bandwidth is critical, JPEG XS is an indispensable feature to preserve the visual quality of an uncompressed stream with almost no human-perceptible delay. The IPX-100 provides selectable data rate in four steps: High (1/6), Mid (1/8), Low (1/16), and Mini (1/32), allowing users to select the optimal setting according to operational conditions.

Exterior view – interfaces



- Compatible Cameras**
- UHK-X700 / X750
 - UHK-X600 / X650
 - HDK-X500
 - HDK-99 + FA-97A
 - HDK-73 + FA-55

Supported IP Standards

SMPTE ST 2110	-10	PTP	SMPTE ST 2059-2
	-20, 21	Video	Multicast, type N
	-22	Compressed Video	JPEG XS (Option)
	-30	Audio	Level-A / B / C
	-40	Ancillary data	
AMWA NMOS	IS-04, IS-05		
IGMP	V2 / V3		

Specifications

Video I/O	Designation		
Video In	MoIP	2x SFP	10G (HD) / 25G (4K) SMPTE ST 2110 Compliant
	SDI to IP	1x BNC	for IP Gateway option
Video Out	MoIP	2x SFP	10G (HD) / 25G (4K) SMPTE ST 2110 Compliant
	MON	1x BNC	HD-SDI
	IP to SDI	1x BNC	for IP Gateway option

Other I/O	Designation		
Hybrid Fiber Camera Cable	—	LEMO 3K Type SMPTE 304M	
NMOS Control	NMOS	1x RJ-45	JT-NM TR-1001
Camera Command	CAM CTRL	1x RJ-45	ICCP over Ethernet
Data Trunk (Ethernet)	GbE TRK	1x RJ-45	Max. 1000BASE-T
Data Trunk (Serial)	—	HR10A 10-pin	RS-422, Option

General Specifications

Input Voltage	AC100 to 240 V ± 10%
Power Consumption	Max.130 W
Ambient Temperature	Operation: 0°C to +40°C (32 °F to +104°F) Storage: -30°C to +60°C (-22°F to +140°F)
Operation Humidity	30% to 90% *non-condensation
Dimensions (Excluding protrusion)	W216×H79×D407.2 mm W8.5×H3.1×D16.0 inches
Weight	Approx. 5 kg / 11 lb

Design and specifications are subject to change without notice.



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