IO-S25 Gateway

AVoIP transcoder using IPMX/2110 open standards



- **Less equipment and maintenance**
- **Interoperability and flexibility thanks to standards-based workflows**
- **High quality at low latency**

Barco IO-S25

The Barco IO transcoders are the base of a simplified future-proof AVoIP setup transporting your current 12G SDI signals (up to 4K60 4:2:2) into an open standards based system with the lowest latency.

Reduce the need for additional switchers, cables, converters, etc. and just add the IO solution to convert and route from a single bi-directional cable solution containing multiple AV signals and control. It minimizes clutter and costs.

The Barco IO encoder/decoder is a network-based system which can accommodate a very large number of devices and operates on open standards making A/V integration much more accessible, more flexible and easier to maintain.

Each Barco IO-S25 package includes:

- IO-S25 10/25GbE over Fiber
- JPegXS
- Power supply
- Quick Mount™ Plate
- Mounting Bracket

Barco Eco-label

This product has been awarded with the Barco Eco-label, reflecting its commitment to sustainability and environmental responsibility.

Product specifications	IO-S25 GATEWAY
Product features	
Product type	12G SDI-IP Media Gateway
Form factor	Standalone appliance
Rack mounting	1RU rack-mount compatible
Operating modes	SDI to IP IP to SDI
Connectivity	
Video input	1x 12G-SDI 3G-SDI supported HD-SDI supported
Video output	1x 12G-SDI 3G-SDI supported HD-SDI supported
Ancillary data	VANC processing supported Ancillary Data Transport supported
Genlock	Bi-Level sync supported Tri-Level sync supported
Audio	Up to 16 channels embedded SDI audio Analog Audio via Stereo Line-In/Line-Out PCM audio Format
Network (interfaces)	10/25GbE SFP28 (LAN 1 & LAN 2) ST 2022-7 RJ45 1/2.5GbE
Serial control	RS-232
Control & Management	
Web-based management	Yes
Centralized monitoring	Yes
Device discovery	Automatic
Remote configuration	Supported
Firmware management	Supported
Diagnostics & Logging	Supported
Network features	
IP support	10GbE 25GbE IPv4 IPv6 DHCP Static IP
Supported standrads	SMPTE ST 2110-10 SMPTE ST 2110-20 SMPTE ST 2110-21 SMPTE ST 2110-22 SMPTE ST 2110-30 SMPTE ST 2110-31 SMPTE ST 2110-40 SMPTE ST 2059-2 SMPTE 2022-7 IPMX
NMOS	IS-04 Discovery supported IS-05 Connection Management supported HTTPS control supported
Encoding & transport	
Video transport	SMPTE ST 2110 /IPMX uncompressed JEPG XS included Visually lossless compression included bitrate range: 100 Mbps -2 Gbpq
Audio transport	PCM Audio Uncompressed AES67 supported
Latency	Uncompressed: < 4 ms JPEG XS: Ultra-low latency
Redundancy	
ST 2022-7 Seamless Redundancy	Yes
Dual Network Interfaces	Yes
Redundant Power Options	Yes
Physical characteristics	
Cooling	Fanless cooling
Chassis	Industrial metal enclosure
Height	
Weight	Unit only aprox. 0.8kg
Power	
External power supply	12 VDC
Maximum consumption	18 W
PoE+	IEEE 802.3at
Power redundancy	Optional
External PSU	Regionally included
Environment	
Operating conditions	Temperature: 0°C to 45°C Humidity: 20% to 80% non-condensing
Storage conditions	Temperature: -40°C to 70°C Humidity: 5% to 95% non-condensing
General Specifications	
Compliance	CE FCC RoHS REACH EMC Class A
Warranty	Three-year limited warranty incl. software updates and technical support

Last updated: 27 Nov 2026

© 2026 Barco nv. All rights reserved. Reproduction in whole or in part without written permission is prohibited. All brand names and product names are trademarks, registered trademarks or tradenames of their respective holders. Due to continued innovation, information and technical specifications are subject to change without prior notice. Please check www.barco.com for the latest specifications.