# 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

## Etiqueta ecológica Barco

Este producto ha recibido la etiqueta ecológica Barco, que pone de manifiesto su compromiso con la sostenibilidad y la responsabilidad medioambiental.

| Especificaciones del producto | IO-S25 GATEWAY |
|---|---|
| **Características del producto** | |
| 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 |
| **Conectividad** | |
| 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 |
| **Características físicas** | |
| Cooling | Fanless cooling |
| Chassis | Industrial metal enclosure |
| Height | |
| Weight | Unit only aprox. 0.8kg |
| **Energía** | |
| External power supply | 12 VDC |
| Maximum consumption | 18 W |
| PoE+ | IEEE 802.3at |
| Power redundancy | Optional |
| External PSU | Regionally included |
| **Entorno** | |
| 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 |
| **Especificaciones generales** | |
| Compliance | CE FCC RoHS REACH EMC Class A |
| Warranty | Three-year limited warranty incl. software updates and technical support |

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