

# XP-100

Compact single channel encoder or decoder



## High-quality collaboration

Barco's V2D (Video-to-Data) encoders/decoders enable seamless, point-to-point video, graphics and audio distribution, plus keyboard/mouse control -all with low latency. They ensure a high-quality collaborative experience in any network and for any bandwidth allocation. Multi-site TeleCollaboration, simulation, training, testing and application sharing are readily provided to small and large enterprises with unmatched visual fidelity.

## Enhanced mobility and simplified installation

The XP-100 is a desktop model for interoffice or remote office deployments. As a compact single channel encoder or decoder it adds mobility and simplifies installation between locations. It also features advanced and fully configurable mechanisms to cope with packet loss, network latency, and jitter.

- High resolution support: stream video and graphics of up to 7.6 million pixels over any network
- Visually lossless codec: efficiently compress HD media to ensure deliverability regardless of available bandwidth
- Low-latency: enables dynamic user/media interactions
- 4:4:4 compression: full and accurate color representation
- 3D Stereoscopic support: seamless manipulation of remote 3D graphics and animation
- QoS: advanced mechanisms to handle packet loss, network latency, and jitter that are fully configurable on the fly
- Configurable Tx/Rx: switch between encoder and decoder on the same channel without rebooting

## Product specifications

## XP-100

### General specifications

Number of channels	Single
Maximum bit rate (configurable)	Up to 40 Mbps
Network interface	2x 10/100/1000 BaseT with switching
Ports (serial/USB)	RS-232 via USB port adapter / 4x USB
Keyboard/mouse	USB
Device configuration storage	Removable SD / MMC card
Dimensions WxDxH	6.25 x 9.50 x 1.75 inch / 15.88 x 24.30 x 4.45 cm
Weight	3.6 lbs / 1.6 kg
Power supply	12 VDC adapter, 40W max.
Video inputs, outputs per channel	2 Dual-link DVI-I (Video in/Video out)
Resolution range	SVGA (800 x 600) -QUXGA (3,200 x 2,400)*
	* For a complete list of supported resolutions please contact customer service at support@ipvideosys.com
Encode rate (resolution dependent)	60 Hz for 1,920 x 1,200
Compression standard	Video-to-Data (V2D)
Maximum Clock Rate	DVI: 330 MHz / Analog: 200 MHz
Audio inputs & outputs	3.5 mm stereo jack, Digital audio
Audio channels	Stereo / Mono
Audio format	Pulse Code Modulation (PCM)
Networking protocol	Unicast -Multicast (IGMP)
QoS/error concealment	Advanced mechanisms to cope with packet loss, network latency, and jitter that are fully configurable on the fly
Management Interface	Managed mode -admin / client interface, web endpoint controller, standalone -console
Console Interface	VGA, serial, Telnet
Video	<ul style="list-style-type: none"><li>■ Tx - Local loopback</li><li>■ Rx - Local, remote, PiP w/scaling, alpha, chroma control</li></ul>
Audio	<ul style="list-style-type: none"><li>■ Tx - Local loopback</li><li>■ Rx - Local, remote, mixed</li></ul>
Codec	High resolution support up to 3200x2400; 3D stereoscopic video; 4:2:2 and 4:4:4 color sampling; real-time compression tuning
KbM	<ul style="list-style-type: none"><li>■ Tx - Local loopback</li><li>■ Rx - Local, remote</li></ul>
Video board features	On the fly configurability between Tx & Rx
Certification and compliance	<ul style="list-style-type: none"><li>■ Safety: UL/CSA EN/IEC 60950-1 CB Report</li><li>■ EMC: CE, FCC Part 15 Class A, CISPR 22, ICES-003</li></ul>

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