

V2D XP 100/200/220

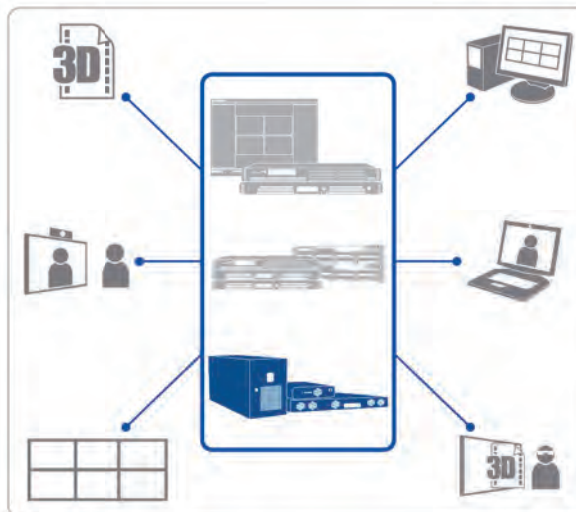
Ultra high-definition encoders/decoders



Key features

- **Ultra High-Definition:** 5+ Megapixels; up to 3840 x 1200 video and graphics resolution
- **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

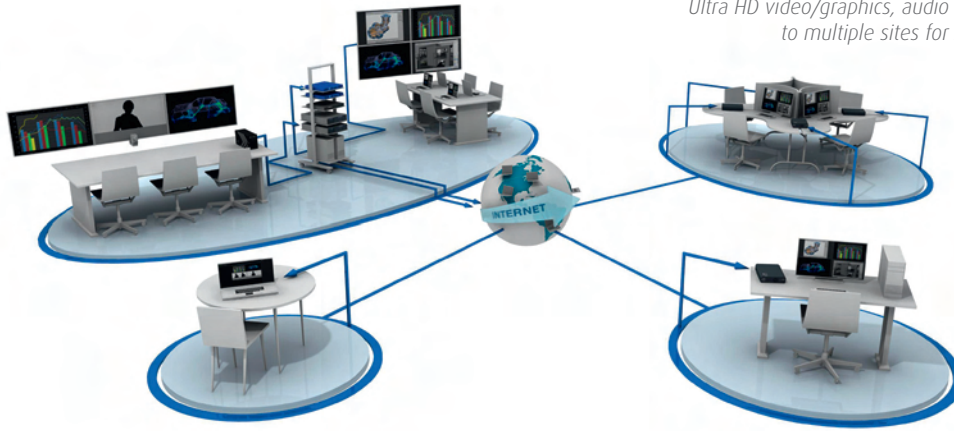
IP Video Systems is the leader in providing best-in-class hardware and software technologies for TeleCollaboration solutions over IP networks. Our revolutionary V2D (Video-to-Data) encoders/decoders enable seamless, point-to-point video, graphics and audio distribution, plus keyboard/mouse control — all with low latency. The V2D also ensures the highest 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.



BARCO

Visibly yours

Ultra HD video/graphics, audio and applications are easily distributed to multiple sites for seamless, real-time TeleCollaboration.



Product features



| | XP100 | XP200-S/XP-200-D | XP220 |
|---------------------------------|--------------------------------------|---|------------------------------------|
| Number of channels | Single channel | Dual channel (optional single channel, XP200-S) | Dual channel |
| Maximum bit rate (configurable) | Up to 40 Mbps | > 100 Mbps | > 100 Mbps |
| Network interface | 2x 10/100/1000 BaseT with switching | 10/100/1000 BaseT | 10/100/1000 BaseT |
| Ports (serial/USB) | RS-232 via USB port adapter / 4x USB | RS-232 / 2x USB | RS-232 / 2x USB |
| KB/M | USB | USB / PS2 | USB / PS2 |
| Device configuration storage | Removable SD / MMC card | Removable CF card | Removable CF card |
| Dimensions WxDxH in./cm. | 6.25x9.50x1.75 / 15.88x24.30x4.45 | 17.40x18.00x1.75 / 44.20x45.72x4.45 | 9.00x17.65x6.30 / 2.86x44.83x16.00 |
| Weight lbs./kg. | 3.6 / 1.6 | 18.0 / 8.2 | 20.0 / 9.1 |
| Power supply | 12 VDC adapter, 40W max. | 100 VAC to 240 VAC, 50/60 Hz, 125W | 100 VAC to 240 VAC, 50/60 Hz, 125W |

Technical specifications

| | | | |
|---------------------------------|--|--|---|
| Video inputs, outputs / channel | 2 Dual-link DVI-I (Video in/Video out) | Additional features | |
| Maximum video resolution | Mono: 3840 x 1200 @ 60 Hz Stereo: 1920 x 1200 @ 120 Hz | Video | Tx - Local loopback Rx - Local, remote, Pip w/scaling, alpha, chroma control |
| Encode rate | 60 Fps @ 1920 x 1200 | Audio | Tx - Local loopback Rx - Local, remote, mixed |
| Compression standard | Video to Data (V2D)* | Codec | Ultra High Definition support (5+ Megapixels); High Definition stereo video support; 4:2:2 and 4:4:4 Color sampling; real-time compression tuning |
| Maximum Clock Rate | DVI: 330 MHz / Analog: 200 MHz | KbM | Tx - Local loopback Rx - Local, remote |
| Audio inputs, Outputs | 3.5 mm stereo jack, Digital audio | Video board features | On the fly configurability between Tx & Rx |
| Audio channels | Stereo / Mono | Certification and compliance | Safety: UL/CSA/EN/IEC 60950-1 CB Report EMC: CE, FCC Part 15 Class A, CISPR 22, ICES-003 |
| Audio format | Pulse Code Modulation (PCM) | * IP Video Systems Video to Data (V2D) advanced graphical visualization compression technology is the most future safe video and graphics codec with features such as 5+ Megapixel and 3D video and graphics support, extremely low latency, and real-time compression tuning. The Video to Data codec offers major advantages for transmitting graphical streams in an efficient way over any kind of network and due to the unique architecture, systems advancements are available with every new software release. | |
| 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, SSH | | |

M00465-R00-0212-DS

The information and data given are typical for the equipment described.

However any individual item is subject to change without any notice.

V2D, XP100, XP200, XP220 are the trademarks of IP Video Systems.

© 2012 by IP Video Systems. All rights reserved.

IP Video Systems
1287 Anvilwood Ave., Sunnyvale, CA 94089
T: 1.408.400.4200 F: 1.408.400.4101
www.ipvideosys.com

BARCO

Visibly yours