

NGS-D200 Lite

Compact, Full HD encoder & decoder



The Barco NGS-D200 Lite encoder and decoder provides the highest quality visual experience for collaborators. This encoder/decoder supports up to Full HD (1920 x 1200 @ 60fps) video and graphics sources with audio over any IP network environment.

Using the high performance Video-to-Data (V2D) codec, the NGS-D200 accurately captures and streams content from point-to-multipoint with low latency, thus increasing communication and cohesion among global teams. Integrated keyboard and mouse control with encoding and decoding functionality in a single unit creates a seamless environment for application sharing, simulation and training needs.

Key features

(*)To preserve pixel detail, the codec will reduce the frame rate when the bandwidth limit is reached

PRODUCT SPECIFICATIONS

NGS-D200 LITE

General specifications	
Number of channels	1 video channel
USB ports	2xType A for KB/M; 1xType B towards host PC
Audio inputs, outputs	3.5 mm locking stereo jack audio line in-out (rear), 3.5 mm mic & headphone (front)
Audio channels	Stereo/mono
Audio format	Pulse code modulation (PCM)
Sync	Hardwired end-to-end; Timestamp NTP
Network	2x1000 Base T RJ 45 (redundant LAN)
Networking protocol	IPv4; Unicast-multicast (IGMP version 2)
Device configuration storage	Removable SD Card
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 mode – Web interface
Power supply	External, locking adapter 110/220 V AC, 60/50 Hz, 40W (136 BTU's/hr), auto switchable
Rack mount	Optional rack mount equipment available
Dimensions WxDxH	186.9mm x 121.92mm x 41.15mm / 7.37" x 4.8" x 1.62"
Weight	1.6 kg / 3.6 lbs
Dimensions packaged (W x H x D)	382mm x 273mm x 85mm 15.04" x 10.75" x 3.35"
Packaged weight	2.0 kg / 4.40 lbs
Operating temperature range	0-40°C, 32-104°F
Video	Tx – Passive loopback of local input signal Rx – Passive loopback of local input signal, signal from remote source, PIP (with scaling, alpha and chroma control)
Audio	Tx/Rx – Local audio input; signal from remote source; mix of both with mixing level control
Codec	Proprietary V2D (Video-to-Data) with 4:4:4 and 4:2:2 color sampling and real-time compression tuning Software decodable
Remote keyboard and mouse	Secure remote keyboard and mouse HID support over IP Supported layouts: <ul style="list-style-type: none"> ■ QWERTY (US, UK, NL, IT, SP, PO) ■ AZERTY (FR, BE-comma, BE-dot) ■ QWERTZ (DE-T1) ■ Chinese Simplified ■ Russian
Video board features	On-the-fly switching between Tx & Rx
Certification and compliance	Safety: UL/CSA/EN/IEC 60950-1 CB report EMC: CE, FCC Part 15 Class A, CISPR 22, ICES-003, CCC
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Video inputs, outputs per channel	Single-link DVI-I in / Single-link DVI-D out
Resolution range	800x600 (min) to 1920x1200 (max)
Encode rate (resolution dependent)	60fps: 800x600, 1280x720, 1280x720, 1280x1024, 1600x1200, 1920x1080, 1920x1200
Pixel clock	DVI – 165 MHz Analog – 170MHz
3D capability	No

Last updated: 21 Jan 2018

Technical specifications are subject to change without prior notice. Please check www.barco.com for the latest information.