

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

- High resolution support: Single DVI-I input capable of streaming Full HD video and graphics over any network-
- Visually lossless codec: Compress high resolution graphics ensuring pixel-perfect delivery regardless of available bandwidth, while using 4:4:4 color space conversion (To preserve pixel detail, the codec will reduce the frame rate when the bandwidth limit is reached)-
- Application programming interface (API): Allow integration of the NGS-D200 and recording/playback functionality in the workflow via the BCS management system API-
- Passive video loop-through: Ensures a reliable video source without power-
- Redundant LAN: Failover protection to maintain network connectivity with zero downtime-
- Configurable modes: Switch between encoding and decoding in a single unit

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, 32-104F
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
NGS-D200 Lite	
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: 07 Aug 2023

© 2018 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.