NGS-D440

Compact 4K60 Encoder

- **Superb image quality**

- **Network integrated**

- **Easy installation and configuration**

- **High performance**

- **Part of the TFN and CTRL Product families**

Barco's NGS-D440 is a powerful encoder. This device enables the support of HDMI™ 2.0 compliant 4K60 AV sources.

Key features:

- Superb image qualityThe NGS-D440 comes with Barco's latest image processing engine, which provides the best scaling and color space conversion algorithms on the market today. Furthermore, resolutions up to 4K60 are supported through an industry-standard protocol.

- Network IT-integratedThe NGS-D440 requires standard IT services (DHCP, DNS, NTP) to be available in the network during operation. This allows to easily change the network configuration without the need to reconfigure the system. Furthermore, it provides easy and central management through its configured host name in your domain (no need to remember IPs).

- Easy installation & configurationBecause of the above-mentioned network integration, the device discovery is faster and simpler than ever. Additionally, it is very easy and fast to create a source via a utility button that can be used to identify a device.

- PerformanceThe NGS-D440 comes with an HDMI™ 2.0 input. This input supports up to UHD (3840 x 2160) at 60fps and features an active loop-through that creates a 1:1 copy of the input. Furthermore, the power (PoE+ and USB-C) and the network (bonding) redundancy guarantee a high uptime of the device.

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Product specifications	NGS-D440
General specifications	
Resolutions and frame rates	For a full list of resolutions please check the Barco CTRL Features and Specifications document.
	16:9 up to 3840 x 2160 60Hz
	21:9 up to 2560 x 1080 @ 60fps up to 3440 x 1440 @ 60fps up to 3840 x 1600 @ 60fps
	32:9 up to 3840 x 1080 @ 60fps
Video inputs	1 HDMI™ 2.0 input 1 HDMI™ 1.4 input
Video outputs	1 HDMI™ 2.0 output
Network connection	2 RJ45 (1Gb copper) – active failover
EMI / EMC	CE, UL, CCC, BIS, RCM, EAC, BSMI, TAA
Noise level (typical at 25°C/77°F)	19dBA at 25°C
USB	2 USB 2.0 Type C connectors
Platform	Applicable for use in Barco CTRL and TransForm N systems
MTBF	391,000 hours
Environmental temperature	0°C to 40°C (32°F to 104°F)
Dimensions (HxWxD)	136 mm x 136 mm x 30 mm | 5.35" x 5.35" W x 1.18"
Weight	510g ± 50g (1.2 lbs)
Audio	Up to 2 audio channels (HDMI, Line In)
Power consumption	Typical power dissipation 18,7W -Maximum power dissipation 25W
Number of channels	2
Chroma subsampling	4:2:0
Bandwidth	Video: avg 60 Mbps for a 3840x2160 at 60Hz
Power supply	20V 2.25A, (45W) external USB-C power supply or 25W on PoE+ (802.3at)

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