

QDX-N4K25 RGB

25,000 lumens, native 4K, 3-chip DLP RGB laser projector



- Pure RGB laser light source with high-brightness levels
- Stunning image with native 4K resolution and Rec. 2020 color performance
- Next-gen Pulse electronics with more processing power
- Durable design for maximized ROI
- Access to Barco's cloud-based Insights Management Suite

Designed to deliver brighter, sharper, and lighter projections with unmatched speed, the QDX platform ensures immersive visuals that captivate audiences while offering an impressive return on investment.

Unprecedented image quality

The QDX-N4K25 RGB projector boasts ultra-high brightness capabilities of 25,000 lumens, providing clear and vibrant images in any setting. With the addition of the RGB light source, this model unlocks the Rec.2020 color gamut, offering exceptionally rich tones and heightened color purity for content that demands artistic precision.

Utilizing the advanced Barco 0.98 DMD chip, it produces stunning native 4K picture quality with refined color gradations. Enhanced by our patented Pulse electronics, enjoy ultra-fast processing and high bandwidth support for smoother images and sharper pixels.

Maximized ROI

The QDX is the world's most compact and lightest projector in its category, with everything at hand to maximize your ROI. It integrates seamlessly with your existing Barco equipment, including rental frames, flight cases, and TLD+ lenses. Its full compatibility with Barco's smart peripherals and software tools helps ensure streamlined workflows and sustained value over time.

High reliability

Built for longevity, the QDX RGB projector maintains its visual performance throughout its operational life. Its modular design allows for straightforward servicing, while advanced protective coatings safeguard critical electronics from humidity and harmful substances. An optimized air filtration system further enhances reliability, supporting long lasting performance even in challenging environments.

Product specifications**QDX-N4K25 RGB****General Specifications**

Notes	The specifications in this document are preliminary
Projector type	Native 4k 3-chip DLP digital projector
Technology	0.98" DMD™ x3
Resolution	4096 x 2176 (DC 4K Native)
Brightness	25000 ISO lumens 24000 center lumens* 23000 ANSI lumens
Contrast ratio	Full field 2,200:1
Contrast ratio Barco DynaBlack®	20,000:1
Optical lens shift	Vertical: up to 160%, down to 150% (motorized), depending on lens Horizontal: up to +/-50% (motorized), depending on lens with lens memory on TLD+ lenses
Light source	RGB lasers 3P (solid state)
Brightness uniformity	95%
Light source lifetime @ 100% power, DynaBlack® off, towards 50% brightness	>40000 hrs
Color correction	Yes
Optical dowsers	Yes
Aspect ratio	4096:2176 / 1.88:1
Lens type	TLD+
Lens range	TLD+: 0.37 0.65-0.85 0.73:1 ; 1.2:1 ; 0.8-1.16 ; 1.25 -1.6:1 ; 1.5-2.0:1 ; 2.0-2.8:1 ; 2.8-4.5:1 ; 4.5-7.5:1
Color space	REC 2020
Orientation	360°
Sealed DLP™ core	Yes + DuraOptix™
Inputs	HDMI™ 2.1 (HDCP2.2 -HDR***)/ DP1.4 (HDCP 1.3)/ RJ45 Ethernet/ USB(5v)/ 12V out/ BNC 3D sync in-out
Input resolutions	Including and up to: 4096 x 2160 @ 120Hz 3840 x 2400 @ 120Hz 7680 x 4320 @ 30Hz
Output refresh rates	24-120Hz
Processing	Pulse electronics
Web browser	Yes
Picture-by-picture	Two sources simultaneously
CLO (constant light output)	Yes
DMX 512	Optional
Image processing	Embedded warp & blend
Keystone correction	Yes
Standby power	TBC
Software tools	Pulse Toolset + Android app + iOS app + IMS (www.barco.com/barco-pulse)

Product specifications**QDX-N4K25 RGB**

Control	DMX (optional), XLR wired (optional) + IR, RJ45, Wifi****, GSM****
3D	Active eye wear (optional), passive circular (optional); 2 flash up to 200Hz* 3D stereo formats: 1xHDMI™ 1xDP or Quad DP(optioN/A) top/ bottomsequential multi pipe.
BTU per hour	TBC
Operating temperature	0-40°C / 32°-104°F (reduce power > 40°C)
Optional Inputs	Quad DP1.2 Fiber SFP HDBaseT/ HDMI™/ Quad-3G/ SDI level A+ B/ 12G/ DMX/ remote CTRL HDBaseT
Storage temperature	-10°C to 60°C
Operating humidity	0-80% (no condense)
Storage humidity	5 -90% RH
Network connection	10/100 base-T RJ-45 connection, wifi +GSM (connected models) IOT connected with IMS (in selected countries)
Dimensions (WxLxH)	660 x 830 x 350 mm / 25.98 x 32.67 x 13.77 inches
Weight	74 kg / 163 lbs
Shipping weight	89,5 kg / 198 lbs box + pallet 176 kg / 388 lbs flightcase + pallet
Power requirements	120-160V (reduced power)20A / 200-240V (+/-10%) 32A 50-60Hz
Power consumption	At 230v: TBC At 120v: 2200W typical/ 2300W max
Noise level (typical at 25°C/77°F)	
Circuit board protection	Advanced coatings safeguard critical electronics from humidity and harmful substances
Shipping dimensions (WxLxH)	800 x 1200 x 660 mm / 31.49 x 47.24 x 25.9 " incl. palet 800 x 970 x 510 mm / 31.5 x 38.1 x 20 " box only 1660 x 990 x 920 / 65.3 x 39 x 36.2 " incl. flightcase
Safety class	Laser Safety Class: RG3 Class 2
Standard accessories	Power cord wireless / XLR wired rugged remote control
Certifications	Compliant with UL60950-1 and EN60950-1 complies with FCC rules & regulations part 15 Class A and CE EN55032 Class A Rohs
Warranty	3 years
*Note	* Brightness levels +/-10% ** With the option: DCI-P3 (R9803310) *** Supporting HDR 10 (HLG, EOTF, PQ EOTF SMPTE 2084), Tonemapping (EETF ITU-R BT2408-4 Annex 5) **** Wifi and GSM options are not available in all countries. Check with your Barco representative for more info.

Last updated: 02 Jun 2026

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