

HDQ-2K40

40,000 lumens, 2K, 3-chip DLP projector



- **The world's brightest projector for rental and staging**
- **Razor-sharp, 2K images**
- **Powerful Athena™ scaler**
- **Light-on-demand option for flexible brightness**

The world's brightest projector for rental and staging, Barco's HDQ-2K40 ensures razor-sharp, ultra-bright images, guaranteeing an unequalled event experience on every occasion. Thanks to its 40,000 lumens light output and 2K resolution, the HDQ-2K40 displays stunning images with rich vibrant colors time after time. What's more, the HDQ is also equipped with Barco's high-end ImagePRO technology with Athena scaler for flexible scaling.

Wireless control and preview mode

The HDQ-2K40's built-in color LCD screen provides all the information you need on your projector's status, and allows you to preview your connected sources. In addition, you can easily control your HDQ-2K40 via your smart phone or tablet computer.

Designed for rental and staging

Building on Barco's experience in the rental and staging market, the HDQ has been designed with the road in mind. Its modular design makes the HDQ simple to install and service. Equipped with a solid and adjustable frame, the projector can easily be stacked and rigged as well.

Fast signal distribution

Our proprietary BarcoLink technology guarantees swift signal distribution between Barco's projectors and image processors. With BarcoLink, signals are distributed over a BNC coax cable, which is not only more durable but also enables you to lower your costs.

Choose your brightness with HDQ Flex

The HDQ-2K40 projector is also available with a light-on-demand option. Thanks to this technology, you can fully tune the light output of the projector to your event: it can be programmed to a light output of 26,000 lumens up to 40,000 lumens in 2,

000 incremental steps. In this way, rental companies have more flexibility to offer their customers the light output they want.

Our HDQ-2K40 has been awarded as projector of the year by Live Design.

Ultra-bright, stunning images

- High-contrast 3-chip DLP™ engine
- 2K resolution (2048 x 1080)
- 40,000 center lumens
- Xenon illumination
- ImagePRO technology inside (Athena scaler)
- Dual-core warp engine

Built for the rental & staging industry

- Fully sealed optics
- Extended wireless control options
- 3D ready
- Preview mode on LCD display
- Easy to set up, install, service and transport thanks to solid and modular design
- Minimum image latency

Product specifications**HDQ-2K40**

General specifications	
Projector type	2K 3-chip DLP digital projector
Technology	1.2" DMD™ x3
Resolution	2,048 x 1,080
Brightness	40,000 center lumens / 37,000 ANSI lumens*
Contrast ratio	2,000:1 (standard)
Brightness uniformity	90%
Aspect ratio	2,048 : 1,080
ScenergiX	Horizontal and vertical edge blending
Lens type	XLD, 4K lenses
Lenses	1:1; 1.45-1.8:1; 1.8-2.4:1; 2.2-3.0:1; 2.8-5.5; 5.5-8.5-1
Optical lens shift	Vertical: -100% to + 110% / Horizontal: +/-30% (on zoom lenses memorised)
Color correction	P7
Lamps	7 kW xenon
Lamp lifetime	500 Hrs
Transport with lamp	No
Lamp house, quick replace	Yes
Customer bulb replace	Yes
Lamp warranty (field replace/ factory replace)	90 days, 300 hours / pro rata 300 hours
Sealed DLP™ core	Standard
Optical dowser	Standard
Picture-in-picture	Two sources simultaneously
Orientation	table -side (portrait)* * lamp door down/bottom
Others	can be controlled by DMX 512 console, warping
DMX 512	standard
WARP	direct adjust OSD + toolset
Integrated web server	yes
CLO (constant light output)	Standard

Product specifications**HDQ-2K40**

3D	Active eyewear (optional), passive Infitec (optional), passive circular (optional), triple flash up to 144 Hz
Inputs	DVI-I (HDCP including analog RGB YUV), SDI/HDSDI/Dual HDSDI/3G/BarcoLink
Optional Inputs	5-BNC RGBHV (RGBS/RGsB, YUV CS/SOY, Composite video, S-Video); DVI-I (HDCP including analog RGB YUV) + BarcoLink/SDI/HDSDI/Dual HDSDI/3G; 3D active input (HDMI/DisplayPort) feat. SENSIO 3D
Input resolutions	From NTSC up to QXGA (2,048 x 1,536)
Max. pixel clock	200 MHz
Software tools	Projector Toolset + Android app
Control	XLR wired + IR, RS232, Wifi, GSM (opt)
Network connection	10/100 base-T, RJ-45 connection, Wifi (optional)
Power requirements	200-240V /380-400V@50-60Hz
Max. power consumption	8,000W
Noise level (typical at 25°C/77°F)	61 dB(A)
Operational ambient temperature	0-35°C / 32°-104°F
Operational humidity	0-80% (non condens)
Dissipation BTU	Max. 27,331 BTU/h
Dimensions (WxLxH)	1,025 x 1,320 x 900mm / 40.35 x 51.96 x 35.43 inches
Weight	210kg (462.97lbs)
Shipping Dimensions	(LxWxH) 1,522 x 1,242 x 1,215 mm / 59.92 x 48.90 x 47.83 inches
Shipping Weight from Factory	270kg (595.25lbs)
Standard accessories	wireless/XLR wired rugged remote control; adjustable frame/clamps
Certifications	Compliant with UL60950-1 and EN60950-1 complies with FCC rules & regulations, part 15 Class A and CE EN55022 Class A, RoHS
Warranty	3 years standard, extendable up to 5 years
*	+/-10%

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