HDX-4K20 FLEX

19,000 lumens, 4K UHD, 3-chip DLP projector with flexible brightness and resolution

The HDX-4K20 *FLEX* offers 4K UHD resolution for superb image quality. This projector shares its lens range, ease of use, and modularity with the other HDX models. Thanks to its modular design of only five building blocks the HDX-4K20 *FLEX* is easy to service. Equipped with rental frames, the projector can easily be stacked or rigged. The HDX-4K20 *FLEX* shares its TLD lens suite with the other RLM, HDX, HDF, and FLM projectors. What's more, the TLD+ 0.8-1.16:1 lens offers extreme 120% vertical lens shift capability.

Excellent image quality

Equipped with 3-chip DLP® technology, a single high-brightness Xenon lamp, and a high-contrast optical engine, the HDX-4K20 *FLEX* excels in brightness, color accuracy, and stability. Thanks to its 4K UHD resolution this projector delivers smooth, sharp images with fine detail.

Flexible brightness and resolution

The HDX-4K20 *FLEX* comes with Barco's unique flexible brightness feature, which allows you to tune and lock the brightness level for a specific application – from 10,000 to 19,000 lumens in incremental steps. It also includes flexible resolution, allowing you to choose and lock in WUXGA, WQXGA or 4K UHD resolution.

Scaling and input flexibility

Featuring a single-step processing electronics unit, the projector provides powerful scaling, handles all of the latest resolutions and offers advanced image warping and edge blending with zero additional latency. The HDX-4K20 *FLEX* supports HDMI 2.0, DisplayPort 1.2, HDBaseT and quad 6G HDSDI inputs.

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Product specifications	HDX-4K20 FLEX
Projector type	4K UHD 3-Chip DLP digital projector
Technology	0.90" DMD x 3 with sealed DMD core
Resolution	3,840 x 2,400 (4K UHD) / 2,560 x 1,600 (WQXGA native) / 16:10 aspect ratio
Light output	19,000 (WQXGA) / 17,500 (4K UHD mode) center lumens
Contrast ratio	1,900:1 (standard) - 2,200:1 (high contrast mode)
Brightness uniformity	90%
ScenergiX	horizontal and vertical edge blending*
Lens range	TLD+ 0.8-1.16; 1.16-1.5:1; 1.5-2.0:1; 2.0-2.8:1; 2.8-4.5:1; 4.5-7.5:1; 7.5-11.5:1
Optical lens shift	Vertical: -30% to +120%/Horizontal: -40% to +40% on zoom lenses (memorized)
Color correction	P7
Lamps	2.5 kW Xenon / lamp lifetime: 1,000 hours typical
Transport with lamp	Yes
Lamp house, quick replace	Yes
Customer bulb replace	Yes
Lamp warranty (field replace/ factory replace)	90 days, 500 hours/pro rata 750 hours
Optical dowser	Standard
Picture-in-picture	Two sources simultaneously*
Orientation	table - ceiling - side (portrait) (lamp door down/bottom) - vertical
DMX 512	Standard*
WARP	direct adjust OSD + toolset
Integrated web server	Yes
CLO (constant light output)	standard*
3D	active eyewear (optional), passive Infitec (optional), passive circular (optional), triple flash up to 200Hz*
Inputs	Dual HDBaseT*, HDMI 2.0*, DP 1.2, Quad SDI/HDSDI/dual HDSDI/Quad 3G HDSDI/BarcoLink
Optional Inputs	Quad DP1.2
Input resolutions	From VGA up to 4K (4,096 x 2,160)
Pixel clock	600Mhz
Software tools	Projection Toolset + Android app* + iOS app*
Control	10/100 Base-T, RJ-45 conn, Wifi (opt), GSM (optional), XLR wired + IR , RS232, DMX 512*
AC power	110-130V/200-240V, 50-60 Hz
Power consumption	3,000 W / STBY
Noise level (typical at 25°C/77°F)	53 dB (A)
Operating temperature	0 ~ 40°C / 32 ~ 104°F
operation humidity no condens	0% - 80%
Dissipation BTU	Max. 5800 BTU/h @ (110-130V) / Max. 10,236 BTU/h @ (200-240V)
Dimensions (WxLxH)	475 x 725 x 382 mm (18.70" x 28.54" x 14.96")
Weight	50kg (110lbs)
Shipping Dimensions	(WxLxH) 650 x 900 x 560 mm (25.59" x 35.43" x 22.04")
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 EN55022 Class A, RoHS
Warranty	3 years standard
*	SW upgradable. Please contact an authorized Barco representative for details.

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