HDX-W20 FLEX

20,000 lumens, WUXGA, 3-chip DLP projector with standard light-on-demand





The HDX-W20 ***FLEX*** is the most compact rugged projector that offers 20,000 lumens light output currently available. One of its most striking features is that it is standard equipped with the light-on-demand option for flexible light output.

Choose your brightness

Thanks to the light-on-demand feature, you can fully tune the light output of the projector to your event: it can be programmed to a light output of 10,000 to 20,000 lumens in 2,000 incremental steps. Rental companies now have the flexibility to offer their customers the light output they want.

Flexible scaling

Building on Barco's renowned ImagePRO series with Athena^{TM} scaler, the HDX is equipped with on-board image processing for unlimited and flexible scaling. This boosts creativity and minimizes the time it takes to get sources on screen.

Quick preview and wireless control

The HDX-W20 ***FLEX***'s built-in color LCD screen provides you with all the information you need on your projector's status and allows you to preview your connected sources. Whether from one central PC or via the Android projector control app for smartphone or tablet computer, you remain connected to the HDX at all times.

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3G/BarcoLink compatibility

The HDX-W20 ***FLEX*** has a native 3G HDSDI/SDI input, which makes it compatible with progressive HD sources over a single BNC cable. This also means that the HDX allows for digital inputs that don't come through fragile DVI fiber cables. What's more, the projectors also feature BarcoLink, enabling progressive WUXGA 50/59.94/60 Hz signal distribution over a single BNC coax cable.

Compact projector with just five building blocks

As the HDX-W20 ***FLEX*** is the smallest and lightest 20K lumens projector on the market, it can easily be boxed and shipped, and it fits into standard flight cases. It features just five building blocks that can be removed and replaced quickly.





Product specifications	HDX-W20 FLEX
Projector type	WUXGA 3-Chip DLP digital projector
Technology	0.96" DMD x 3
Resolution	1,920 x 1,200
Light output	20,000 center lumens
Contrast ratio	1,850:1 (standard) - 2,600:1 (high contrast mode)
Brightness uniformity	90%
Aspect ratio	16:10
ScenergiX	horizontal and vertical edge blending
Lens type	TLD +
Lens range	0.73:1 ; 1.2:1 ; 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 ; 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 (typical)	1,000 hours
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
Sealed DLP™ core	Standard
Optical dowser	Standard
Picture-in-picture	Two sources simultaneously
Orientation	table - ceiling - side (portrait)* - vertical * lamp door down/bottom
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	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	Projection Toolset + Android app
Control	XLR wired + IR, RS232, Wifi, GSM (opt)
Network connection	10/100 Base-T, RJ-45 conn, Wifi (optional)
AC power	200-240 V / 50-60 Hz
Power consumption	2,850 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. 9,725 BTU/h
Dimensions (WxLxH)	475 x 725 x 382 mm (18.70" x 28.54" x 14.96")
Weight	50kg (110lbs)
Shipping Dimensions	(LxWxH) 900 x 650 x 560 mm (35.43" x 25.59" x 22.04")

Product specifications	HDX-W20 FLEX
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, extendable up to 5 years
*	+/- 10%

Last updated: 21 Nov 2016
Technical specifications are subject to change without prior notice.
Please check www.barco.com for the latest information.