

HDX-W20 FLEX

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



- Flexible brightness as standard
- Compact and sturdy design
- Active 3D, quick preview, and wireless control

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™ 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.

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****General specifications**

| | |
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| 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 |
| Image processing | Embedded warp & blend engine |
| Keystone correction | Yes |
| 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") |
| 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 |

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