

UDX-W22

21,000 lumens, WUXGA, 3-chip DLP laser phosphor large venue projector

24/7
OPERATION

RUGGED

BARCOLINK

3D
READY

WARPING

26K
LUMENS

LASER PHOSPHOR

3
CHIP
DLP

MANAGEMENT
SUITE



- **Stunning experiences thanks to high-brightness images**
- **Savings on installation and shipping time**
- **Laser phosphor light source for reduced costs**
- **24/7 operation**

The UDX range delivers stunning experiences and savings on installation and shipping time, reducing costs significantly. The most compact, high-brightness laser projectors with integrated cooling on the market bring reliable and razor-sharp images to every type of event and venue.

The UDX-W22's WUXGA resolution and 21,000 lumens light output ensure flawless shows with accurate colors at all times. The Constant Light Output (CLO) also provides constant brightness and color over time. Users enjoy the widest color spectrum in the industry that matches the renowned Xenon quality and outperforms the Rec. 709 color space - without compromising on brightness.

Cut costs with laser projection

The laser phosphor light source reduces lamp-related costs, maintenance as well as image flicker. The result is a long lifetime and high reliability for minimal downtime, while compact and rugged design reduces shipping and labor costs. The modular components limit servicing time. You can also reuse your TLD+ lenses.

Pick your brightness and resolution

The unique FLEX2 feature tunes and locks your brightness and resolution to a specific show so you can cover a wider range of brightness levels and resolutions with fewer projectors.

Faster processing for sharper images

The Barco Pulse electronics offer an intuitive interface and flexible, user-friendly, embedded control software. Its Single Step Processing (SSP) allows for sharper images and less latency.

Product specifications**UDX-W22**

General specifications	
Projector type	WUXGA 3-chip DLP digital projector
Technology	0.96" DMD™ x3
Resolution	1,920 x 1,200
Brightness	21,000 center lumens* / 20,000 ansi lumens / 22,500 ISO
Contrast ratio	Full field 2200:1 / Barco Dyna Black 20000:1
Brightness uniformity	95%
Aspect ratio	16:10
ScenergiX	Horizontal and vertical edge blending
Lenses	TLD+ 0.37:1 ; 0.65:1 ; 0.73:1 ; 0.85:1 ; 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 between -100% to +130%, depending on lens Horizontal up to +/-40%, depending on lens Motorized zoom and focus (with lens memory on TLD lenses) Motorized lens shift (with position memory on all lenses)
Color correction	P7
Light source	Laser phosphor with inorganic phosphor wheel
Light source lifetime	25,000 hrs
Optical dowser	Mechanical
Picture-by-picture	Two sources simultaneously
Sealed DLP™ core	standard
Orientation	360°
DMX 512	standard
WARP	Direct adjust OSD + toolset
Image processing	Embedded warp & blend
Keystone correction	Yes
Integrated web server	Yes
CLO (constant light output)	Standard
3D	Active eye wear (optional), passive circular (optional); 2 flash up to 200Hz*
Inputs	Single HDBt; HDMI2.0 (HDCP2.2, HDR10); DP 1.2 (HDCP 1.3); Quad 3G/12G SDI / BarcoLink

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Optional Inputs	Quad DP1.2
Input resolutions	From NTSC up to 4K (4,096 x 2,560) refresh rates: 24hz to 120hz 4K/4KUHD (4096 x 2160/ 3860 x 2400) to 240hz WQXGA (2560 x 1600)
Max. pixel clock	600 Mhz
Software tools	Projector Toolset + Android app* + iOS app*
Control	XLR wired + IR, RS232, Wifi (opt)*, GSM (opt)*
Network connection	10/100 base-T, RJ-45 connection, Wifi (optional)*
Power requirements	120-160V (reduced power)/ 200-240V (+/-10%), 20A, 50-60Hz (reduced power on 110v)
Max. power consumption	1,900 W @ 230 volts/ STBY less than 10W
Noise level (typical at 25°C/77°F)	49 dB(A)
Operational ambient temperature	0°-40°C/ 32°-104°F (45°C reduced power)
Operational humidity	0-80% (non condens)
Dissipation BTU	Max. 6,600 BTU/h
Dimensions (WxLxH)	660 x 830 x 350 mm (25.98 x 32.67 x 13.77")
Shipping Dimensions	(WxLxH) 800 x 1,200 x 685 mm / 31.49 x 47.24 x 26.96 inches
Weight	87.5kg (193 lbs)/shipping weight from factory: 105kg (231 lbs)
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
*	Software upgradeable, please contact your local authorized Barco sales representative

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