UDX-4K22

20,000 lumens, 4K UHD, 3-chip DLP laser phosphor large venue projector

24/7 OPERATION

COMPACT

RUGGED

BARCOLINK

CONSTANT LIGHT OUTPUT

3D READY

WARPING

20K LUMENS

LASER PHOSPHOR

4K UHD

3 CHIP DLP

- **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 4K images to every type of event and venue.

The UDX-4K22 features 4K UHD resolution and 20,000 lumens light output to ensure flawless shows with accurate colors. The Constant Light Output (CLO) functionality also guarantees constant brightness and color over time. The UDX platform offers the widest color spectrum in the industry, matching the renowned Xenon quality and outperforming the Rec. 709 color space - without compromising on brightness.

Cut costs with laser projection

Thanks to the laser phosphor light source, you can forget lamp-related costs, maintenance and image flicker. The UDX series delivers a long lifetime and high reliability to ensure minimum downtime. The compact and rugged design reduces shipping and labor costs. The modular components can be removed quickly to limit servicing time. You can also reuse your TLD+ lenses.

Pick your brightness and resolution

The unique FLEX^2 feature allows you to tune and lock 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 4K electronics offer an intuitive interface and flexible, embedded control software. Its Single Step Processing (SSP) brings sharper images and less latency.

BARCO

PRODUCT SPECIFICATIONS	UDX-4K22
Projector type	4K UHD 3-chip DLP digital projector
Technology	0.9" DMD™ x3
Resolution	3,840 x 2,400 (4K UHD) / 2,560 x 1,600 (native) / 5,120 x 3,200 (processing)
Brightness	20,000 (WQ)/19,000 (4K UHD) center lumens* // 19,000 (WQ)/18,000 (4K UHD) ansi lumens // 21,500 ISO
Contrast ratio	2,200:1
Brightness uniformity	95%
Aspect ratio	16:10
ScenergiX	Horizontal and vertical edge blending
Lenses	TLD+ 0.37, 0.65-0.85, 0.8-1.16 ; 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	Digital
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 HDBaseT; HDMI2.0 (HDCP2.2, HDR10); DP 1.2 (HDCP 1.3); Quad 3G/12G SDI / BarcoLink ULTRA

PRODUCT SPECIFICATIONS	UDX-4K22
Optional Inputs	Quad DP1.2 / Fiber SFP
Input resolutions	From NTSC up to 4K (4,096 x 2,160) 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	120-160 V(reduced power) / 200-240 V (+/-10%), 20 A, 50-60 Hz
Max. power consumption	1,900W @ 230 volts STBY
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) 980 x 1,200 x 760 mm (38.58 x 47.24 x 29.92")
Weight	87.5 kg (193 lbs)/shipping weight from factory: 105 kg (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. Check with your local authorized Barco sales representative for full details.