

# UDX-4K22

21,000 lumens, 4K UHD, 3-chip DLP laser phosphor large venue projector



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, the UDX projectors bring reliable and razor-sharp 4K images to every type of event and venue.

The UDX-4K22 features 4K UHD resolution and 21,000 lumens light output to ensure flawless shows with accurate colors at all times. The **Constant Light Output (CLO)** functionality also guarantees peace of mind by providing **constant brightness and color** over time. The UDX platform offers the **widest color spectrum** in the industry. Without compromising on brightness, the UDX color quality matches the renowned Xenon quality and outperforms the Rec. 709 color space.

## Cut costs with laser projection

Thanks to their laser phosphor light source, lamp-related costs and maintenance as well as image flicker, belong to the past. The UDX series delivers a **long lifetime** and **high reliability** to ensure minimum downtime. The UDX's compact and rugged design allows you to **reduce 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<sup>2</sup> feature will allow you to **tune and lock your brightness and resolution to a specific show**. You'll now need less projectors to cover a wider range of brightness levels and resolutions.

## Faster processing for sharper images

The Barco Pulse 4K electronics offer an intuitive interface and flexible, user-friendly, embedded control software. Its **Single Step Processing (SSP)** allows for sharper images and less latency.

BARCO

Visibly yours

**Product specifications****UDX-4K22**

<b>Projector type</b>	4K UHD 3-chip DLP digital projector
<b>Technology</b>	0.9" DMD™ x3
<b>Resolution</b>	3,840 x 2,160 (4K UHD) / 2,560 x 1,600 (native)
<b>Brightness</b>	21,000 (WQ)/20,000 (4K UHD) center lumens*
<b>Contrast ratio</b>	2,000:1
<b>Brightness uniformity</b>	90%
<b>Aspect ratio</b>	16:10
<b>ScenergiX</b>	Horizontal and vertical edge blending
<b>Lenses</b>	TLD+ 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
<b>Optical lens shift</b>	Vert -100% to +130% / Hor +/-40% on zoom lenses memorized
<b>Color correction</b>	P7
<b>Light source</b>	laser phosphor with inorganic phosphor wheel
<b>Light source lifetime</b>	+20,000 hrs
<b>Optical dower</b>	Standard
<b>Picture-in-picture</b>	Two sources simultaneously
<b>Sealed DLP™ core</b>	Standard
<b>Orientation</b>	360°
<b>DMX 512</b>	standard
<b>WARP</b>	Direct adjust OSD + toolset
<b>Integrated web server</b>	Yes
<b>CLO (constant light output)</b>	Standard
<b>3D</b>	Active eye wear (optional), passive circular (optional); 3 flash up to 200Hz
<b>Inputs</b>	Dual HDBT; HDMI 2.0 (HDCP 2.2); DP 1.2 (HDCP 1.3); Quad SDI/HDSDI/dual HDSDI/6G/BarcoLink
<b>Optional Inputs</b>	Quad DP1.2
<b>Input resolutions</b>	From NTSC up to 4K (4,096 x 2,560)
<b>Max. pixel clock</b>	600 Mhz
<b>Software tools</b>	Projector Toolset + Android app + iOS app
<b>Control</b>	XLR wired + IR, RS232, Wifi, GSM (opt)
<b>Network connection</b>	10/100 base-T, RJ-45 connection, Wifi (optional)
<b>Power requirements</b>	120-160 V / 200-240 V (+/- 10%), 20 A, 50-60 Hz(reduced power on 110 V)
<b>Max. power consumption</b>	1,900W @ 230 volts STBY
<b>Noise level (typical at 25°C/77°F)</b>	TBD
<b>Operational ambient temperature</b>	0°-40°C/ 32°-104°F (45°C reduced power)
<b>Operational humidity</b>	0-80% (non condens)
<b>Dissipation BTU</b>	Max. 6,600 BTU/h
<b>Dimensions (WxLxH)</b>	660 x 830 x 350 mm (25.98 x 32.67 x 13.77")
<b>Shipping Dimensions</b>	(LxWxH)1,200 x 980 x 760 mm (47.24 x 38.58 x 29.92")
<b>Weight</b>	87.5 kg (193 lbs)/shipping weight from factory: 105kg (231lbs)
<b>Standard accessories</b>	Power cord, wireless/XLR wired rugged remote control
<b>Certifications</b>	Compliant with UL60950-1 and EN60950-1, complies with FCC rules & regulations, part 15 Class A and CE EN55032 Class A, Rohs
<b>Warranty</b>	3 years
*	+/- 10%

Last updated: 01 Jun 2017  
 Technical specifications are subject to change without prior notice.  
 Please check [www.barco.com](http://www.barco.com) for the latest information.