

UDX-4K22

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



- **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 FLEX² 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.

| 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*; optional Dual Eye Point 240Hz |
| 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. |

Last updated: 25 Jun 2020

Technical specifications are subject to change without prior notice. Please check www.barco.com for the latest information.