

UDX-4K40 FLEX

37,500 lumens, 4K UHD 3-chip DLP laser phosphor large venue projector



- **Stunning experiences thanks to high-brightness images**
- **More lumens from the same format**
- **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, the UDX projectors bring reliable and razor-sharp 4K images to every type of event and venue.

The UDX-4K40 features 4K UHD resolution and 37,500 lumens light output to ensure flawless shows with accurate colors. 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 FLEX² 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.

Product specifications**UDX-4K40 FLEX**

| General specifications | |
|-----------------------------|--|
| 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 | 37,500 (WQ)/36,500 (4K UHD) center lumens // 36,500 (WQ)/35,500 (4K UHD) ansi lumen // 40,000 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, 0.65-0.85, 0.8-1.16:1 ; 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 | 20,000 hrs |
| Optical dowser | Digital |
| Picture-by-picture | Two sources simultaneously |
| Orientation | 360° |
| Sealed DLP™ core | standard |
| 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 |

Product specifications**UDX-4K40 FLEX**

| | |
|---|--|
| Inputs | Single HDBaseT; HDMI2.0 (HDCP2.2, HDR10); DP 1.2 (HDCP 1.3); Quad 3G/12G SDI / BarcoLink ULTRA |
| 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) / 200-240V (+/-10%), 20A, 50-60Hz |
| Max. power consumption | 3750W |
| Noise level (typical at 25°C/77°F) | 58dB(A) |
| Operational ambient temperature | 0-40°C / 32°-104°F (reduce power >40°C) |
| Operational humidity | 0-80% (non condens) |
| Dissipation BTU | Max. 12,795 BTU/h |
| Dimensions (WxLxH) | 660 x 830 x 350 mm / 25.98 x 32.67 x 13.77 inches |
| Shipping Dimensions | (WxLxH) 800 x 1,200 x 685 mm / 31.49 x 47.24 x 26.96 inches |
| Weight | 92kg (202 lbs)/shipping weight from factory: 110kg (242 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 |

Last updated: 09 Apr 2024

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