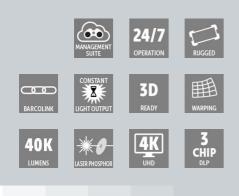
UDX-4K40 FLEX

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 $FLEX^2$ 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

Max. pixel clock600 MHzSoftware toolsProjector Toolset + Android app + iOS appControlXLR wired + IR, RS232, Wifi (opt), GSM (opt)Network connection10/100 base-T, RJ-45 connection, Wifi (optional)Power requirements120-160 V (reduced power) / 200-240V (+/-10%), 20A, 50-60HzMax. power consumption3750WNoise level (typical at 25°C/77°F)58dB(A)Operational ambient temperature0-40°C / 32°-104°F (reduce power >40°C)Operational humidity0-80% (non condens)Dissipation BTUMax. 12.795 BTU/hShipping Dimensions(WxLxH) 800 x 1.200 x 685 mm / 31.49 x 47.24 x 26.96 inchesWeight92kg (202 lbs)/shipping weight from factory: 110kg (242 lbs)Standard accessoriesPower cord, wireless/XLR wired rugged remote control	Product specifications	UDX-4K40 FLEX
Input resolutionsFrom 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 clock600 MHzSoftware toolsProjector Toolset + Android app + IOS appControlXLR wired + IR, RS232, Wifi (opt), GSM (opt)Network connection10/100 base-T, RJ-45 connection, Wifi (optional)Power requirements120-160 V (reduced power) / 200-240V (+/-10%), 20A, 50-60HzMax. power consumption3750WNoise level (typical at 25°C/77°F)58dB(A)Operational ambient temperature0-40°C / 32°-104°F (reduce power >40°C)Operational ambient temperature0-40°C / 32°-104°F (reduce power >40°C)Dissipation BTUMax. 12,795 BTU/hDimensions (WxLxH)660 x 830 x 350 mm / 25.98 x 32.67 x 13.77 inchesShipping Dimensions(WxLxH) 800 x 1.200 x 685 mm / 31.49 x 47.24 x 26.96 inchesWeight92kg (202 lbs)/shipping weight from factory: 110kg (242 lbs)Standard accessoriesPower cord, wireless/XLR wired rugged remote controlCompliant with UL60950-1 and EN60950-1 complies with FCC rules & regulations, part 15 Class A and CE EN55032 Class A, Rohs	Inputs	
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	Warranty	3 years

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