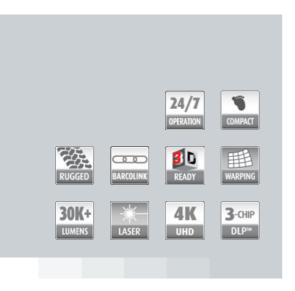
## **UDX-4K32**

31,000 lumens, 4K UHD, 3-chip DLP laser phosphor large venue projector





- Quicker installation, lower costs, optimal asset management
- Unmatched colors, 4K resolution, and best-inclass processing
- Unbelievable experiences thanks to exceptional performance
- 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-4K32 features 4K UHD resolution and 31,000 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,



UDX-4K32 Barco

embedded control software. Its Single Step Processing (SSP) allows for sharper images and less latency.



| D9" DMD"* x5   | PRODUCT SPECIFICATIONS             | UDX-4K32   |
|--|------------------------------------|--|
| Secolution   S.840 x 2.400 (4K UHD) / 2.560 x 1.600 (native)   | Projector type                     | 4K UHD 3-chip DLP digital projector  |
| Strightness   31,000 (WQI)/30,000 (4K UHD) center lumens*   2,000 1  | Technology                         | 0.9" DMD™ x3   |
| 2,000   1  | Resolution                         | 3,840 x 2,400 (4K UHD) / 2,560 x 1,600 (native)  |
| Separation   16:10     | Brightness                         | 31,000 (WQ)/30,000 (4K UHD) center lumens*   |
| 16-10     16-1   | Contrast ratio                     | 2,000:1  |
| Horizontal and vertical edge blending  TLD+ 0.37, 0.65-0.85, 0.8-1161; 1.25-161; 1.5-2.01; 2.0-2.81; 2.8-4.51; 4.5-7.51; 7.5-1151  Optical lens shift  V: 100% to +130% / H: +/- 40% on zoom lenses (memorized)  Optical lens shift  V: 100% to +130% / H: +/- 40% on zoom lenses (memorized)  Optical lens shift  V: 100% to +130% / H: +/- 40% on zoom lenses (memorized)  Optical lens shift  V: 100% to +130% / H: +/- 40% on zoom lenses (memorized)  Optical lens shift  V: 100% to +130% / H: +/- 40% on zoom lenses (memorized)  P7  Ught source  Isser phosphor with inorganic phosphor wheel  Jight source lifetime  +20,0000 hrs  Digital  Two sources simultaneously  Optical dowser  Digital  Two sources simultaneously  Optical dowser  Standard  OwnX 512  Standard  OwnX 512  Standard  OwnX 512  Standard  OwnX 512  Standard  On Active eye wear (optional), passive circular (optional), 3 flash up to 200Hz*  Inputs  Optional light output)  Standard  Optional light output)  Standard  Optional light output)  Optional liputs  Optional liputs  Optional liputs  Output resolutions  From NTSC up to 4K (4,096 x 2,160)  Aax, pixel clock  Off Ware tools  Projector Toolset + Android** app + iOS** app  Control  XLR wired + IR. RS232, Wifi**, GSM** (opt)  Network connection  In 0/100 base-T, R3-45 connection, Wifi** (optional)  Over requirements  120-160 V(reduced power) / 200-240V (+/- 10%), 20A, 50-60Hz  Aax, power consumption  2900W nom/3,100W max / STBY less than 10W  Notes level (typical at 25°C/77*F)  | Brightness uniformity              | 90%  |
| TLD + 0.37, 0.65-0.85, 0.8-1161.; 1.25-1.61; 1.5-2.01; 2.0-2.81; 2.8-4.51; 4.5-7.51; 7.5-11.51  Optical lens shift  V: -100% to +130% / H: +/- 40% on zoom lenses (memorized)  Optical lens shift  V: -100% to +130% / H: +/- 40% on zoom lenses (memorized)  P7  Ight source  Ight source  Ight source lifetime  +20,000 hrs  Digital  Optical dowser  Digital  Two sources simultaneously  Optical dowser  Standard  Optical dowser  Standard  Optical dowser  Ves  CLO (constant light output)  Standard  Active eye weer (optional), passive circular (optional); 3 flash up to 200Hz*  Optional inputs  Optional inputs  Optional inputs  Optional inputs  Ouad DP12  Input resolutions  From NTSC up to 4K (4,096 x 2,160)  Aax, pixel clock  600 MHz  Optional inputs  Optional inputs  Output of the K (4,096 x 2,160)  Aax, pixel clock  600 MHz  Optional inputs  Optional inputs  Optional inputs  Optional inputs  Output of the K (4,096 x 2,160)  Aax, pixel clock  600 MHz  Optional inputs  Optional inpu  | Aspect ratio                       | 16:10  |
| potical lens shift  V: -100% to +130% / H: +/- 40% on zoom lenses (memorized)  Procedure correction  Procedure laser phosphor with inorganic phosphor wheel  laser phosphor wheel  laser phosphor with inorganic phosphor wheel  laser phosphor with inorganic phosphor wheel  laser phosphor wheel  laser phosphor with inorganic phosphor wheel  laser phosphor wheel  laser phosphor with inorganic phosphor wheel  laser phosphor with inorganic phosphor  laser phosphor with inorganic phosphor  laser phosphor  | ScenergiX                          | Horizontal and vertical edge blending  |
| Lotor correction P7  Light source laser phosphor with inorganic phosphor wheel  Light source lifetime +20,000 hrs  Digital  Dicture-in-picture Two sources simultaneously  Drientation 360°  Lieaded DLPTM core standard  DMX 512 standard*  LARP Direct adjust OSD + toolset  Integrated web server Yes  LO (constant light output) Standard  DA Active eye wear (optional), passive circular (optional), 3 flash up to 200Hz*  LO (constant light output) Single HDBaseT; HDMI 2.0 (HDCP 2.2); DP 1.2 (HDCP 1.3); Quad SDI/HDSDI/dual HDSDI/6G/BarcoLink  Deptional Inputs Quad DP1.2  Input resolutions From NTSC up to 4K (4,096 x 2.160)  LARA, pixel clock 600 MHz  Droit of the first output  | 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 |
| ight source laser phosphor with inorganic phosphor wheel light source lifetime +20,000 hrs Digital Picture-in-picture Two sources simultaneously Drientation 350° lealed DLPTM core standard DMX 512 standard* VARP Direct adjust OSD + toolset Integrated web server Yes SLO (constant light output) Standard Single HDBaseT; HDMI 2.0 (HDCP 2.2); DP 1.2 (HDCP 1.3); Quad SDI/HDSDI/dual HDSDI/6G/BarcoLink Diptional Inputs Quad DP12 Input resolutions From NTSC up to 4K (4,096 x 2.160) Aax, pixel clock 600 MHz Control XLR wired + IR, RS232, Wiff**, GSM** (opt) Setwork connection 10/100 base-T, R3-45 connection, Wiff** (optional) Power requirements 120-160 V(reduced powerl / 200-240V (+/- 10%), 20A, 50-60Hz Aax, power consumption 2,900W nom/3,100W max / STBY less than 10W Notes level (typical at 25*C/77*F) 52dB(A)  | Optical lens shift                 | V: -100% to +130% / H: +/- 40% on zoom lenses (memorized)  |
| Jight source lifetime +20,000 hrs  Digital  Digital towser  Digital  Directation  360°  Directation  360°  Directation  Direct adjust OSD + toolset  MX 512  Standard*  Direct adjust OSD + toolset  Notice and but be server  Yes  CLO (constant light output)  Standard  Direct adjust OSD + toolset  Active eye wear (optional), passive circular (optional); 3 flash up to 200Hz*  Inputs  Direct adjust OSD + toolset  CLO (constant light output)  Standard  Direct adjust OSD + toolset  Active eye wear (optional), passive circular (optional); 3 flash up to 200Hz*  Inputs  Direct adjust OSD + toolset  Active eye wear (optional), passive circular (optional); 3 flash up to 200Hz*  Direct adjust OSD + toolset  Active eye wear (optional), passive circular (optional); 3 flash up to 200Hz*  Direct adjust OSD + toolset  Direct adjust O  | Color correction                   | P7   |
| Digital dowser  Digital  Two sources simultaneously  Two sources simultaneously  Direct adjust OSD + toolset  VARP  Direct adjust OSD + toolset  Ves  CLO (constant light output)  Standard  Direct adjust OSD + toolset  CLO (constant light output)  Standard  Active eye wear (optional), passive circular (optional); 3 flash up to 200Hz*  Single HDBaseT; HDMI 2.0 (HDCP 2.2); DP 1.2 (HDCP 1.3); Quad SDI/HDSDI/dual HDSDI/GG/BarcoLink  Diptional Inputs  Ouad DP12  Diptional Inputs  Ouad DP12  From NTSC up to 4K (4,096 x 2,160)  Ax. pixel clock  600 MHz  Diffware tools  Projector Toolset + Android** app + iOS** app  Control  XLR wired + IR, RS232, Wiffi**, GSM** (opt)  Detwork connection  10/100 base-T, RJ-45 connection, Wiffi** (optional)  Power requirements  120-160 V(reduced power) / 200-240V (+/- 10%), 20A, 50-60Hz  Ax. power consumption  2,900W nom/3,100W max / STBY less than 10W  Notes level (typical at 25*C/77*F)  52dB(A)  | Light source                       | laser phosphor with inorganic phosphor wheel   |
| Two sources simultaneously  26 prientation  360°  27 prientation  360°  28 standard  28 purp CDC (constant light output)  28 purp CDC (constant light output)  29 purp CDC (constant light output)  20 purp CDC (constant light output)  30 purp CDC (constant light output)  31 purp CDC (constant light output)  32 purp CDC (constant light output)  33 purp CDC (constant light output)  34 purp CDC (constant light output)  35 purp CDC (constant light output)  36 purp CDC (constant light output)  36 purp CDC (constant light output)  37 purp CDC (constant light output)  38 purp CDC (constant light output)  39 purp CDC (constant light output)  30 purp CDC (constant light output)  30 purp CDC (constant light output)  31 purp CDC (constant light output)  32 purp CDC (constant light output)  33 purp CDC (constant light output)  34 purp CDC (constant light output)  35 purp CDC (constant light output)  36 purp CDC (constant light output)  36 purp CDC (constant light output)  36 purp CDC (constant light output)  37 purp CDC (constant light output)  38 purp CDC (constant light output)  39 purp Light output)  30 purp Light output)  31 purp Light output)  32 purp Light output)  33 purp Light output)  34 purp Light outpu | Light source lifetime              | +20,000 hrs  |
| Drientation 360°  sealed DLP™ core standard  MX 512 standard*  WARP Direct adjust OSD + toolset  Integrated web server Yes  CLO (constant light output) Standard  SD Active eye wear (optional), passive circular (optional); 3 flash up to 200Hz*  Inputs Single HDBaseT; HDMI 2.0 (HDCP 2.2); DP 1.2 (HDCP 1.3); Quad SDI/HDSDI/dual HDSDI/6G/BarcoLink  Optional Inputs Quad DP1.2  Input resolutions From NTSC up to 4K (4.096 x 2.160)  Max. pixel clock 600 MHz  Fortivare tools Projector Toolset + Android** app + IOS** app  Control XLR wired + IR, RS232, Wifi**, 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 2,900W nom/3,100W max / STBY less than 10W  Notice level (typical at 25°C/77°F) 52dB(A)  | Optical dowser                     | Digital  |
| standard  SMX 512  standard*  WARP  Direct adjust OSD + toolset  Yes  CLO (constant light output)  Standard  Active eye wear (optional), passive circular (optional); 3 flash up to 200Hz*  Single HDBaseT; HDMI 2.0 (HDCP 2.2); DP 1.2 (HDCP 1.3); Quad SDI/HDSDI/dual HDSDI/6G/BarcoLink  Optional Inputs  Quad DP1.2  Input resolutions  From NTSC up to 4K (4,096 x 2,160)  Aax. pixel clock  600 MHz  Control  XLR wired + IR, RS232, Wifi**, 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  Aax. power consumption  2,900W nom/3,100W max / STBY less than 10W  Notice level (typical at 25°C/77°F)  52dB(A)  | Picture-in-picture                 | Two sources simultaneously   |
| NAX 512  standard*  Direct adjust OSD + toolset  Yes  CLO (constant light output)  Standard  Active eye wear (optional), passive circular (optional); 3 flash up to 200Hz*  Inputs  Single HDBaseT; HDMI 2.0 (HDCP 2.2); DP 1.2 (HDCP 1.3); Quad SDI/HDSDI/dual HDSDI/6G/BarcoLink  Optional Inputs  Quad DP1.2  Input resolutions  From NTSC up to 4K (4,096 x 2,160)  Aax. pixel clock  Offware tools  Projector Toolset + Android** app + iOS** app  Control  XLR wired + IR, RS232, Wifi**, GSM** (opt)  Adv. power requirements  120-160 V(reduced power) / 200-240V (+/- 10%), 20A, 50-60Hz  Aax. power consumption  2,900W nom/3,100W max / STBY less than 10W  Joine Level (typical at 25°C/77°F)  52dB(A)   | Orientation                        | 360°   |
| Direct adjust OSD + toolset  Yes  CLO (constant light output)  Standard  Active eye wear (optional), passive circular (optional); 3 flash up to 200Hz*  Single HDBaseT, HDMI 2.0 (HDCP 2.2); DP 1.2 (HDCP 1.3); Quad SDI/HDSDI/dual HDSDI/6G/BarcoLink  Optional Inputs  Quad DP1.2  Input resolutions  From NTSC up to 4K (4,096 x 2,160)  Aax. pixel clock  600 MHz  Control  XLR wired + IR, RS232, Wifi**, GSM** (opt)  Active eye wear (optional), passive circular (optional); 3 flash up to 200Hz*  Single HDBaseT, HDMI 2.0 (HDCP 2.2); DP 1.2 (HDCP 1.3); Quad SDI/HDSDI/dual HDSDI/6G/BarcoLink  Optional Inputs  Quad DP1.2  From NTSC up to 4K (4,096 x 2,160)  Alex. pixel clock  600 MHz  Active eye wear (optional)  Active eye wear (optio | Sealed DLP™ core                   | standard   |
| Active eye wear (optional), passive circular (optional); 3 flash up to 200Hz*  Single HDBaseT; HDMI 2.0 (HDCP 2.2); DP 1.2 (HDCP 1.3); Quad SDI/HDSDI/dual HDSDI/6G/BarcoLink  Optional Inputs Quad DP1.2  Prom NTSC up to 4K (4,096 x 2,160)  Ax. pixel clock  Software tools Projector Toolset + Android** app + iOS** app  Control  XLR wired + IR, RS232, Wifi**, GSM** (opt)  Active eye wear (optional); 3 flash up to 200Hz*  Determine the control of the contro | DMX 512                            | standard*  |
| Active eye wear (optional), passive circular (optional); 3 flash up to 200Hz*  Single HDBaseT; HDMI 2.0 (HDCP 2.2); DP 1.2 (HDCP 1.3); Quad SDI/HDSDI/dual HDSDI/6G/BarcoLink  Optional Inputs Ouad DP1.2  Input resolutions From NTSC up to 4K (4,096 x 2,160)  Aax. pixel clock 600 MHz  Control XLR wired + IR, RS232, Wifi**, GSM** (opt)  Aetwork connection 10/100 base-T, RJ-45 connection, Wifi** (optional)  Power requirements 120-160 V(reduced power) / 200-240V (+/- 10%), 20A, 50-60Hz  Aax. power consumption 2,900W nom/3,100W max / STBY less than 10W  Aloise level (typical at 25°C/77°F) 52dB(A)   | WARP                               | Direct adjust OSD + toolset  |
| Active eye wear (optional), passive circular (optional); 3 flash up to 200Hz*  Single HDBaseT; HDMI 2.0 (HDCP 2.2); DP 1.2 (HDCP 1.3); Quad SDI/HDSDI/dual HDSDI/6G/BarcoLink  Optional Inputs Quad DP1.2  Input resolutions From NTSC up to 4K (4,096 x 2,160)  Max. pixel clock 600 MHz  Control  XLR wired + IR. RS232, Wifi**, 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 2,900W nom/3,100W max / STBY less than 10W  Noise level (typical at 25°C/77°F) 52dB(A)   | Integrated web server              | Yes  |
| Single HDBaseT; HDMI 2.0 (HDCP 2.2); DP 1.2 (HDCP 1.3); Quad SDI/HDSDI/dual HDSDI/6G/BarcoLink  Optional Inputs Quad DP1.2  From NTSC up to 4K (4,096 x 2,160)  Aax. pixel clock 600 MHz  Frojector Toolset + Android** app + iOS** app  Control XLR wired + IR, RS232, Wifi**, 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  Aax. power consumption 2,900W nom/3,100W max / STBY less than 10W  Noise level (typical at 25°C/77°F) 52dB(A)  | CLO (constant light output)        | Standard   |
| HDSDI/6G/BarcoLink  Quad DP1.2  Input resolutions  From NTSC up to 4K (4,096 x 2,160)  Max. pixel clock  600 MHz  Frojector Toolset + Android** app + iOS** app  Control  XLR wired + IR, RS232, Wifi**, 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  Ax. power consumption  2,900W nom/3,100W max / STBY less than 10W  Noise level (typical at 25°C/77°F)  52dB(A)  | 3D                                 | Active eye wear (optional), passive circular (optional); 3 flash up to 200Hz*                        |
| Input resolutions  From NTSC up to 4K (4,096 x 2,160)  Max. pixel clock  600 MHz  Projector Toolset + Android** app + iOS** app  Control  XLR wired + IR, RS232, Wifi**, 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  Solution  2,900W nom/3,100W max / STBY less than 10W  Noise level (typical at 25°C/77°F)  52dB(A)   | Inputs                             |  |
| Max. pixel clock  600 MHz  Projector Toolset + Android** app + iOS** app  Control  XLR wired + IR, RS232, Wifi**, 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  Alax. power consumption  2,900W nom/3,100W max / STBY less than 10W  Noise level (typical at 25°C/77°F)  52dB(A)   | Optional Inputs                    | Quad DP1.2   |
| Projector Toolset + Android** app + iOS** app  Control  XLR wired + IR, RS232, Wifi**, 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  Alax. power consumption  2,900W nom/3,100W max / STBY less than 10W  Noise level (typical at 25°C/77°F)  52dB(A)  | Input resolutions                  | From NTSC up to 4K (4,096 x 2,160)   |
| Control         XLR wired + IR, RS232, Wifi**, 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         2,900W nom/3,100W max / STBY less than 10W           Noise level (typical at 25°C/77°F)         52dB(A)   | Max. pixel clock                   | 600 MHz  |
| 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         2,900W nom/3,100W max / STBY less than 10W           Noise level (typical at 25°C/77°F)         52dB(A)  | Software tools                     | Projector Toolset + Android** app + iOS** app  |
| Power requirements         120-160 V(reduced power) / 200-240V (+/- 10%), 20A, 50-60Hz           Max. power consumption         2,900W nom/3,100W max / STBY less than 10W           Noise level (typical at 25°C/77°F)         52dB(A)  | Control                            | XLR wired + IR, RS232, Wifi**, GSM** (opt)   |
| Alax. power consumption 2,900W nom/3,100W max / STBY less than 10W solice level (typical at 25°C/77°F) 52dB(A)   | Network connection                 | 10/100 base-T, RJ-45 connection, Wifi** (optional)   |
| Noise level (typical at 25°C/77°F)  52dB(A)  | Power requirements                 | 120-160 V(reduced power) / 200-240V (+/- 10%), 20A, 50-60Hz  |
|  | Max. power consumption             | 2,900W nom/3,100W max / STBY less than 10W   |
| Operational ambient temperature 0-40°C / 32°-104°F   | Noise level (typical at 25°C/77°F) | 52dB(A)  |
|  | Operational ambient temperature    | 0-40°C / 32°-104°F   |
| Operational humidity 0-80% (non condens)   | Operational humidity               | 0-80% (non condens)  |
| Dissipation BTU Max. 10,921 BTU/h  | Dissipation BTU                    | Max. 10,921 BTU/h  |
| Dimensions (WxLxH) 660 x 830 x 350 mm / 25.98 x 32.67 x 13.77 inches   | Dimensions (WxLxH)                 | 660 x 830 x 350 mm / 25.98 x 32.67 x 13.77 inches  |
| Chipping Dimensions (LxWxH) 1,200 x 800 x 685 mm / 47.24 x 31.49 x 26.96 inches  | Shipping Dimensions                | (LxWxH) 1,200 x 800 x 685 mm / 47.24 x 31.49 x 26.96 inches  |
| Veight 92kg (202 lbs)/shipping weight from factory: 110kg (242 lbs)  | Weight                             | 92kg (202 lbs)/shipping weight from factory: 110kg (242 lbs)   |
| Standard accessories Power cord, wireless/XLR wired rugged remote control  | Standard accessories               | Power cord, wireless/XLR wired rugged remote control   |

| UDX-4K32   |
|--|
| Compliant with UL60950-1 and EN60950-1 complies with FCC rules & regulations, part 15 Class A and CE EN55032 Class A, Rohs |
| 3 years  |
| +/-10%   |
|  |

Last updated: 02 Feb 2018

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

