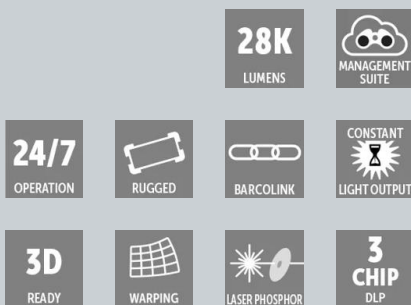


# UDX-W28

30,500 lumens, WUXGA, 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 images to every type of event and venue.

The UDX-W28's WUXGA resolution and 30,500 lumens light output ensure flawless shows with accurate colors at all times. The Constant Light Output (CLO) also provides constant brightness and color over time. Users enjoy the widest color spectrum in the industry that matches the renowned Xenon quality and outperforms the Rec. 709 color space - without compromising on brightness.

### Cut costs with laser projection

The laser phosphor light source reduces lamp-related costs, maintenance as well as image flicker. The result is a long lifetime and high reliability for minimal downtime, while compact and rugged design reduces shipping and labor costs. The modular components limit servicing time. You can also reuse your TLD+ lenses.

### Faster processing for sharper images

The Barco Pulse 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-W28****General specifications**

|                                    |  |
|------------------------------------|--|
| Projector type                     | WUXGA 3-chip DLP digital projector   |
| Technology                         | 0.96" DMD™ x3  |
| Resolution                         | 1,920 x 1,200 (WUXGA native)   |
| Brightness                         | 28,000 center lumens / 27,000 ansi lumens / 30,500 ISO   |
| Contrast ratio                     | Full field 2200:1 / Barco Dyna Black 20000:1   |
| Optical lens shift                 | Vertical between -100% to +130%, depending on lens<br>Horizontal up to +/-40%, depending on lens<br>Motorized zoom and focus (with lens memory on TLD lenses)<br>Motorized lens shift (with position memory on all lenses) |
| Light source                       | Blue + Red laser-phosphor with inorganic Phosphor wheel  |
| Brightness uniformity              | 95%  |
| Light source lifetime              | 30,000 hrs   |
| Color correction                   | P7   |
| Optical dowser                     | Digital  |
| Aspect ratio                       | 16:10  |
| Color space                        | REC 709+   |
| Lenses                             | TLD+: 0.37 0.65-0.85 0.73:1 ; 1.2:1 ; 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 ; 7.5-11.5:8  |
| Orientation                        | 360°   |
| Color reproduction                 | P3 DCI (98%) with P7 color correction  |
| Sealed DLP™ core                   | standard   |
| Inputs                             | Single HDBaseT; HDMI2.0 (HDCP2.2, HDR10); DP 1.2 (HDCP 1.3); Quad 3G-12G SDI / BarcoLink ULTRA / RJ45 Ethernet / RS232 / USB(5v) / 12V out/ BNC 3D sync in-out   |
| Input resolutions                  | Including and up to: 1920 x 1200 @ 240HZ 3840 x 2400 @ 120Hz 4096 x 2160 @ 120Hz   |
| Processing                         | Barco Pulse electronics  |
| Web browser                        | Yes  |
| Picture-by-picture                 | Two sources simultaneously   |
| CLO (constant light output)        | Yes  |
| DMX 512                            | Yes  |
| WARP                               | Direct adjust OSD + Ptoolset   |
| ScenergiX                          | Horizontal and vertical edge blending  |
| Image processing                   | Embedded warp & blend  |
| Keystone correction                | Yes  |
| Integrated web server              | Yes  |
| Software tools                     | Projector Toolset + Android app + iOS app + Insights Management Suite (IMS)  |
| Control                            | DMX, XLR wired + IR, RJ45, RS232, Wifi (optional), GSM (optional)  |
| 3D                                 | Active eye wear (optional), passive circular (optional); 2 flash up to 200Hz*  |
| 24/7 operation                     | Yes  |
| BTU per hour                       | Max. 8342 BTU/h  |
| Optional Inputs                    | Quad DP1.2 / Fiber SFP   |
| Storage temperature                | -10°C to 60°C  |
| operation humidity no condens      | 0-80% (non condense)   |
| Max. pixel clock                   | 600 Mhz  |
| Storage humidity                   | 5 -90% RH (no condense)  |
| Network connection                 | 10/100 base-T, RJ-45 connection, Wifi (optional)   |
| Dimensions (WxLxH)                 | 660 x 830 x 350 mm (25.98 x 32.67 x 13.77")  |
| Weight                             | 92kg (202 lbs) / shipping weight from factory: 110kg (242 lbs)   |
| Power requirements                 | 120-160V (reduced power)20A / 200-240V (+/-10%) 32A 50-60Hz  |
| Operational humidity               | 0-80% (non condense)   |
| Max. power consumption             | 120v: 2,450W nom/2,650W max. / 120v: 1800W nom/ 1900w max / STBY less than 10W   |
| Noise level (typical at 25°C/77°F) | 52dB(A)  |
| Operational ambient temperature    | 0°-40°C / 32°-104°F (45°C reduced power)   |
| Dissipation BTU                    | Max. 8,342 BTU/h   |
| Shipping Dimensions                | (WxLxH) 800 x 1,200 x 685 mm (31.49 x 47.24 x 26.96" incl. palet)  |
| 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 EN55022 Class A Rhos   |
| Warranty                           | 3 years  |
| *Note                              | * Brightness levels +/-10% ** Wifi and GSM options are not available in all countries. Check with your Barco representative for more info. ***at higher altitude light output might be dimmed                              |
| *                                  | Software upgradeable, please contact your local authorized Barco sales representative  |

Last updated: 30 May 2024

© 2024 Barco nv. All rights reserved. Reproduction in whole or in part without written permission is prohibited. All brand names and product names are trademarks, registered trademarks or tradenames of their respective holders. Due to continued innovation, information and technical specifications are subject to change without prior notice. Please check [www.barco.com](http://www.barco.com) for the latest specifications.