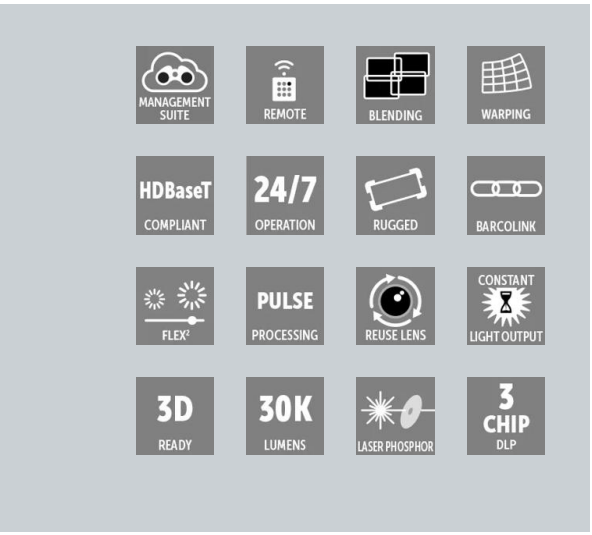
UDM-W30

30,000 lumens, WUXGA, 3-chip DLP large venue projector



- **Most compact and lightest laser projector in the 30K lumens category**
- **Robust design made for the toughest conditions**
- **Extremely flexible with widest lens shift and modular design**
- **Fastest processing at lowest latency with Barco Pulse Single Step Processing**
- **Remote fleet management & connectivity with Barco Insights Management Suite**

Weighing less than 50kgs, this is the lightest projector in its category. And while the compact and light-weight design of the UDM-W30 saves you lots of installation time and reduces shipping and labor costs, it never compromises on the quality or brightness of your projection. The UDM-W30 features WUXGA resolution to deliver impactful experiences with mind-blowing colors. The UDM projector offers the widest color spectrum for 30K laser phosphor projection on the market outperforming the Rec. 709 color space.

Operational efficiency

Lift your creativity to unprecedented levels with the widest lens shift on the market and an extensive list of other peripherals which will facilitate a smooth installation and integration of the projector in your setup. Barco's unique FLEX^2 feature allows you to tune and lock the brightness level or resolution for a specific show. The modular design supports fast maintenance and easy serviceability in the field.

Pulse Electronics

The UDM is built on the unified Barco Pulse electronics platform. With its proprietary Single Step Processing technology warping, scaling and 4K UHD processing is done in only one step. The result? Razor-sharp images, market leading lowest latency, and less dark time than comparable solutions.

Connectivity

The Barco Insights Management Suite dashboard and remote log file access enables faster and more effective troubleshooting. Manage the brightness settings of your projector fleet and keep track of operating conditions

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Long lifetime

Thanks to its robustness and built-in dust and polution filter, you can trust UDM to withstand the endurances of life on the road. With the laser phosphor light source, lamp-related costs and maintenance as well as image flicker, belong to the past. Barco's outstanding integrated laser cooling prevents overheating and the Constant Light Output functionality guarantees constant brightness and color across the projector's lifetime.

Product specifications	UDM-W30
General specifications	
Projector type	WUXGA 3-chip DLP digital projector
Technology	0.96" DMD™ x3
Resolution	1,920 x 1,200
Brightness	29,000 center lumens* 27,000 ANSI lumens* 31,000 ISO lumens*
Contrast ratio	Full field 2200:1
Contrast ratio Barco DynaBlack®	20.000:1
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)
Light source	Laser B + Red compensator and inorganic Ph wheel
Brightness uniformity	93%
Light source lifetime	20,000hr (at 100% laser power, DynaBlack = off)
Color correction	P7
Optical dowser	Digital + mechanical internal
Aspect ratio	16:10
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 ; 7.5-11.5:1
Orientation	360°
Sealed DLP™ core	Standard
Inputs	Single HDBaseT; HDMI™ 2.0 (HDCP2.2, HDR10); DP1.2 (HDCP 1.3); Quad 3G/12G SDI/BarcoLink ULTRA
Input resolutions	From NTSC up to 4K (4,096 x 2,160) Refresh rates: 24hz to 120 Hz 4K/4KUHD (4096 x 2160 / 3860 x 2400) to 240hz WQXGA (2560 x 1600)
Processing	Pulse electronics
Picture-by-picture	Two sources simultaneously
CLO (constant light output)	Standard
DMX 512	Standard
WARP	Direct adjust OSD + toolset
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
Control	XLR wired + IR, RS232, Wifi**, GSM **
3D	Active eye wear (optional), passive circular (optional); 2 flash up to 200Hz
BTU per hour	7.000 BTU/hr
Optional Inputs	Quad DP1.2 / Fiber SFP
Max. pixel clock	600 MHz
Network connection	10/100 base-T, RJ-45 connection, Wifi**
Dimensions (WxLxH)	725 x 540 x 339 mm / 28.54 x 21.25 x 13.36 inches
Weight	48 kg (105 lbs) / shipping weight from factory: 61 kg (134 lbs)
Power requirements	120-160 V (max 70% brightness)18.5A / 200-240V (+/-10%), 13.5A, 50-60Hz
Operational humidity	0-80% (non condens)
Max. power consumption	1900W nom/ 2200w max @ 230 volts ECO STBY 1300W nom/ 1530w max @ 120 volts ECO STBY
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Noise level (typical at 25°C/77°F)	49 dB(A)
Operational ambient temperature	0-40°C / 32°-104°F ***
Dissipation BTU	Max. 7000 BTU/hr
Shipping Dimensions	incl. pallet (WxLxH) 850 x 665 x 613 mm / 33.46 x 26.18 x 24.13 inches
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
*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

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