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 FLEX2 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 anywhere and anytime through a secured cloud-based platform and integrated



UDM-W30 Barco



3G connectivity.

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.

Ceneral specifications PRITIMATARY SPT CS Poligator type WUXCA A-chip DP digital projectors Technology ORST OND DTM AX Resolution 1920 x 1.200 Brightness 26000 anni lument 27000 center fumers / 30,000 ISO lument* Contrast ratio Full field 2200 1/8 acc Dyna Black 200001 Brightness uniformity 95% Aspect ratio 15.30 SenergIX Horizontal and vertical edge blending Lennes TCD 70, 365 085 0773 1; 12.1; 0.8 11.6; 125 1.64; 15 2.01; 2.0 2.81; 2.8 4.51; 4.5 7.51; 2.7 5.15; 1.5 Optical lens shift Vertical between 1-100% to +230%, depending on lens Horizontal up to +4-40%, depending on lens Horizontal up to +4-40%, depending on lens Horizontal up to 14-40%, depending on lens Horizontal up to +4-40%, depending on lens Elight source Lipse phosphor Upin to source lifetime 20 00ther (a 100% lens shift (with spottion memory on all enough Elight source Lipse phosphor Upin to source lifetime 20 00ther (a 100% lens shift (with spottion memory on all enough Enture-by-picture Proceedance (multilaneously) Enture-by-picture Proceedance (multilaneously)	Product specifications	UDM-W30
Projector type WUXCA 3 chip DUF digits projector Tachnology 0.96 PM/J ^M x3 Resolution 1.920 x 1,200 Brightness 26,000 and luments 27,000 center tumens 730,000 ISO luments* Centrast ratio full field 2900 1/1 Barco Dyna Black 2000001 Brightness uniformity 93% Aspect ratio 10.10 ScenergIX Horzontal and vertical edge blending Lenses TLD (237, 0.65 0,85; 675 1,121; 0.81 16; 1.55 16; 1.55 201; 20.281; 2.9 4.51, 4.57 521; 7.51 531 Objectal lens shift Vertical between ±100% to ±190%, depending on lens Motorized between ±100% to ±190%, depending on lens Motorized between ±100% to ±190%, depending on lens Motorized between ±100% to ±190%, depending on lens Motorized 2 poor and focus (with lens memory on ±1,0 lensed Motorized between ±100% to ±190%, depending on lens Motorized lens shift (with position memory on all lenses) Color correction P7 Ught source lifetime 20,000hr (at 100% leser power, DynaBlack = orlf) Optical dowser Digital = motorialical internal Picture-by-picture Two sources simultaneously Seated DLP™ core Sondard Optical flowser	General specifications	
Technology	Notes	PRELIMINARY SPECS
Resolution 1920 x 1200 Brightness 26,000 ansi lumens/ 27,000 center lumens / 30,000 ISO lumens* Contrast ratio Full field 22001 / Barco Dyna Black 2000.01 Brightness uniformity 93% Aspect ratio 16:10 ScenergiX Horizontal and vertical edge blending Lenses 7,005 0,85,073 1,121 / 08,116,125 161,15 201;20 2,81,28,451,45 7,51;75-1151 Optical iens shift Vertical between -100% to +130%, depending on tens Horizontal up to +/-40%, depending on lens Motorized zoom and focus (with tens memory on all lenses) Motorized lens shift with position memory on all lenses Color correction P7 Uight source Leser phosphor Light source lifetime 20,000m (at 100% taser power, DynaBlack = of/) Optical dowser Optical dowser	Projector type	WUXGA 3-chip DLP digital projector
Brightness 26,000 and lumens/ 27,000 center lumens / 30,000 ISO lumens* Contrast ratio Full field 2200 1 / Barco Dyna Black 20000-1 Brightness uniformity 93% Aspect ratio 16-10 ScenergyX Horizontal and vertical edge bending Lenses TLD+ 0.37-0.65-0.85, 0.75-1.121, 0.8-116, 1.25-1.61, 1.5-2.01; 2.0-2.81, 2.6-4.51; 4.5-7.51; 75-11.51 Optical lens shift Vertical between -10.0% to +13.0%, depending on lens Motorized zoom and focus (with lens memory on TLD lenses) Motorized zoom and focus (with lens memory on all lenses) Motorized zoom and focus (with lens memory on all lenses) Lenses Color correction P7 Light source Laser phosphor Light source lifetime 20,000hr (at 100% laser power, DynaBlack = off) Optical dowser Digital = mechanical internal Picture-by-picture Two sources simultainsously Sealed DLP** core Standard Orientation 360* DMX 512 Standard WARP Direct adjust OSD + toolset Image processing Pulse electronics Keystone correction Yes Roysone or re	Technology	0.96* DMD TM x3
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Brightness uniformity 93% Aspect ratio 16:10 ScenergiX Honzontal and vertical edge blending Lenses TLD+ 0.37, 0.65 0.85; 0.73 1, 1.21; 0.8 1,16, 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 Vertical between -1.00% to +13.0%, depending on lens Horzontal up to +1/40%, depending on lens Motorized 200m and focus (with lens memory on TLD lenses) Motorized lens shift (with position memory on all lenses) Color correction F7 Light source Laser phosphor Light source lifetime 20,000m (e1 000% laser power, DynaBlack = off) Optical dowser Digital + mechanical internal Picture-by-picture Two sources simultaneously Sealed DLP™ core Standard Orientation 360° DMX 512 Standard WARP Direct adjust OSD + toolset Integrated web server Yes Reystone correction Yes Integrated web server Yes CLO (constant light output) Standard 3D Active eye weer (optional), passive circular (optional), 2 flash up to 200Hz Inputs Single HDBaseT, HDML2.0 (HDCP.2., HDR.10), DP1.2 (HDCP.1.3); Quad 3G/12G SDI/Barcollink ULTRA Optional Inputs Quad DP1.2 / Fiber SFP Input resolutions Prom NTSC up to 4K (4,096 x 2160 / 3860 x 2400) to 240hz WOXCA (2560 x 1600) Max. pixel clock 600 MHz Software tools Projector Toolset + Android** app + (OS** app	Brightness	26,000 ansi lumens/ 27,000 center lumens / 30,000 ISO lumens*
Appect ratio 16:10 ScenergiX Horizontal and vertical edge blending Lenses TLD+ 0.37, 0.65-0.85, 0.73.1, 1.21, 0.8-1.6, 1.25-1.61, 1.5-2.01, 2.0-2.8.1, 2.8-4.5.1, 4.5-7.5.1, 7.5-1.1.5.1 Optical lens shift Vertical between -1.00% to +1.30%, 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 tenses) Color correction P7 Light source Laser phosphor Light source lifetime 20,000m for 1000k laser power, DynaBlack = off) Optical dowser Digital + mechanical internal Picture-by-picture Two sources simultaneously Sealed DLP** core Standard Orientation 360° Orientation 360° DMX 512 Sandard WARP Direct adjust CSD + toolset Integrated web server Yes Integrated web server Yes CLO (constant light output) Standard Standard Standard Standard Standard Optional inputs Single HDBaseT, HDMI2 0 (HDCP2.2 HDR10), DP12 (HDCP 1.3), Quad 3G/12G SDI/BarcoLink ULTRA Optional inputs Optional inputs From NTSC up to 4k (4,096 x 2160) Refresh rates 24hz to 120 Hz 4k/4k/UHD (4096 x 2160 / 3860 x 2400) to 240hz WCXGA (2560 x 1600) Max. pixel clock 600 MHz Software tools Projector Toolset + Android** app + 105** app	Contrast ratio	Full field 2200:1 / Barco Dyna Black 20000:1
ScenergIX	Brightness uniformity	93%
Lenses TLD+ 0.37, 0.65-0.85, 0.73 1, 121, 0.8+1.6, 1.25-1.61, 1.5-2.01, 2.0-2.81, 2.8-4.51, 4.5-7.51, 7.5+1.51 Optical lens shift Vertical: between -1.00% to +130%, depending on lens Horizontal up to +1/-40%, depending on lens Motorized zoom and focus (with tens memory on TLD lenses) Motorized lens shift (with position memory on all lenses) Color correction P7 Light source Laser phosphor Light source lifetime 20,000 hr (at 100% laser power, DynaBlack = off) Optical dowse Digital + mechanical internal Picture-by-picture Two sources simultaneously Sealed DLPP core Standard Orientation 360° DMX 512 Standard WARP Direct adjust CSD + toolset Image processing Embedded warp & blend Processing Pulse electronics Keystone correction Yes Integrated web server Yes CLO (constant light output) Standard 30 Active eye wear (optional), passive circular (optional), 2 flash up to 200Hz Inputs Optional inputs Quad DP12 / Fiber SFP Input resolutions From NTSC up to 4K (4,096 x 2,160) Refresh rates: 24hz to 12D Hz 4K/4KUHD (4096 x 2160 / 3860 x 2400) to 240hz WOXGA (2560 x 1600) Max. pixel clock 600 MHz Software tools Projector Toolset + Android** app + iOS** app	Aspect ratio	16:10
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Orientation 360° DMX 512 Standard WARP Direct adjust OSD + toolset Image processing Embedded warp & blend Processing Pulse electronics 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 Inputs Single HDBaseT; HDMI2.0 (HDCP2.2, HDR10); DP1.2 (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 120 Hz 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	Picture-by-picture	Two sources simultaneously
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WARP Direct adjust OSD + toolset Image processing Embedded warp & blend Processing Pulse electronics 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 Inputs Single HDBaseT; HDMI2.0 (HDCP2.2, HDR10); DP1.2 (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 120 Hz 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	Orientation	360°
Image processing Embedded warp 6 blend Processing Pulse electronics 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 Inputs Single HDBaseT; HDMI2.0 (HDCP2.2, HDR10); DP1.2 (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 120 Hz 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	DMX 512	Standard
Processing Pulse electronics 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 Inputs Single HDBaseT; HDMI2.0 (HDCP2.2, HDR10); DP1.2 (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 120 Hz 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	WARP	Direct adjust OSD + toolset
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 Inputs Single HDBaseT; HDMI2.0 (HDCP2.2, HDR10); DP1.2 (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 120 Hz 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	Image processing	Embedded warp & blend
Integrated web server Yes CLO (constant light output) Standard Active eye wear (optional), passive circular (optional); 2 flash up to 200Hz Inputs Single HDBaseT; HDMI2.0 (HDCP2.2, HDR10); DP1.2 (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 120 Hz 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	Processing	Pulse electronics
CLO (constant light output) Standard Active eye wear (optional), passive circular (optional); 2 flash up to 200Hz Inputs Single HDBaseT; HDMI2.0 (HDCP2.2, HDR10); DP1.2 (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 120 Hz 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	Keystone correction	Yes
Active eye wear (optional), passive circular (optional); 2 flash up to 200Hz Inputs Single HDBaseT; HDMl2.0 (HDCP2.2, HDR10); DP1.2 (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 120 Hz 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	Integrated web server	Yes
Inputs Single HDBaseT; HDMI2.0 (HDCP2.2, HDR10); DP1.2 (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 120 Hz 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	CLO (constant light output)	Standard
Optional Inputs Quad DP1.2 / Fiber SFP 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) Max. pixel clock 600 MHz Software tools Projector Toolset + Android** app + iOS** app	3D	Active eye wear (optional), passive circular (optional); 2 flash up to 200Hz
Input resolutions	Inputs	Single HDBaseT; HDMI2.0 (HDCP2.2, HDR10); DP1.2 (HDCP 1.3); Quad 3G/12G SDI/BarcoLink ULTRA
Refresh rates: 24hz to 120 Hz 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	Optional Inputs	Quad DP1.2 / Fiber SFP
24hz to 120 Hz 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	Input resolutions	From NTSC up to 4K (4,096 x 2,160)
Max. pixel clock 600 MHz Software tools Projector Toolset + Android** app + iOS** app		Refresh rates:
Software tools Projector Toolset + Android** app + iOS** app		24hz to 120 Hz 4K/4KUHD (4096 x 2160 / 3860 x 2400) to 240hz WQXGA (2560 x 1600)
2 " "	Max. pixel clock	600 MHz
Control XLR wired + IR, RS232, Wifi**, GSM **	Software tools	Projector Toolset + Android** app + iOS** app
	Control	XLR wired + IR, RS232, Wifi**, GSM **

Product specifications	UDM-W30
Network connection	10/100 base-T, RJ-45 connection, Wifi**
Power requirements	120-160 V (max 70% brightness)18.5A / 200-240V (+/-10%), 13.5A, 50-60Hz
Max. power consumption	1900W nom/ 2200w max @ 230 volts ECO STBY 1300W nom/ 1530w max @ 120 volts ECO STBY
Noise level (typical at 25°C/77°F)	49 dB(A)
Operational ambient temperature	0-40°C / 32°-104°F ***
Operational humidity	0-80% (non condens)
Dissipation BTU	Max. TBD BTU/h
Dimensions (WxLxH)	725 x 540 x 339 mm / 28.54 x 21.25 x 13.36 inches
Shipping Dimensions	incl. pallet
	(WxLxH) 850 x 665 x 613 mm / 33.46 x 26.18 x 24.13 inches
Weight	48 kg (105 lbs) / shipping weight from factory: 61 kg (134 lbs)
Standard accessories	Power cord, wireless / XLR wired rugged remote control
Certifications	Compliant with UL60950-1 and EN60950-1, complies with FCC rules θ regulations, part 15 Class A and CE EN55032 Class A, Rohs
Warranty	3 years
Notes	*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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