

UDM-W19

18,500 lumens, WUXGA, 3-chip DLP digital large venue projector



- Dazzling colors outperforming the Rec. 709 color space
- High residual value thanks to rugged design
- Remote fleet management and connectivity with Barco Projector Management Suite
- Unified Pulse electronics with Single Step Processing

Just like the 22K version, the UDM-19K never compromises on the quality or brightness of your projection. The UDM-W19 features WUXGA resolution and 19,000 lumens light output to deliver impactful experiences with mind-blowing colors.

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

With the Barco Pulse 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 Projector 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 3G connectivity.

Long lifetime

Thanks to its robustness and the smart material choices, 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-W19**

| | |
|-----------------------------|--|
| Projector type | WUXGA 3-chip DLP digital projector |
| Technology | 0.96" DMD™ x3 |
| Resolution | 1,920 x 1,200 |
| Brightness | 18,500 center lumens / 17,800 ansi lumens / 20,000 ISO lumens* |
| 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; 0,73:1 ; 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 |
| 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 | 23,000hr (at 100% 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 |
| 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 |
| Control | XLR wired + IR, RS232, Wifi**, GSM ** |
| Network connection | 10/100 base-T, RJ-45 connection, Wifi** |
| Power requirements | 120-160 V (max 80 % brightness) 15A / 200-240V (+/-10%), 9A, 50-60Hz |

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|------------------------------------|--|
| Max. power consumption | 1480W nom/ 1700w max @ 230 volts ECO STBY 1300W nom/ 1530w max @ 120 volts ECO STBY |
| Noise level (typical at 25°C/77°F) | 47 dB(A)**** |
| Operational ambient temperature | 0-40°C / 32°-104°F *** |
| Operational humidity | 0-80% (non condens) |
| Dissipation BTU | Max. 5,780 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 & 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 ****From Q1 2021 onwards |

Last updated: 04 Mar 2021

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