

UDM-4K22

21,000 lumens, 4K UHD, 3-chip DLP large venue projector



- Lightest 22K laser projector in the market
- High residual value thanks to rugged design
- Remote fleet management and connectivity with Barco Insights
- Unified Pulse electronics with Single Step Processing

While the compact and light-weight design of the UDM-4K22 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-4K22 features 4K UHD resolution and 21,000 lumens light output to deliver impactful 4K experiences with mind-blowing colors. The UDM projector offers the widest color spectrum for 22K 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

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 Insights 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 endurance 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.

TECHNISCHE DATEN**UDM-4K22**

Projektortyp	4K UHD 3-chip DLP digital projector
Technologie	0.9" DMD™ x3
Auflösung	3,840 x 2,400 (4K UHD) / 2,560 x 1,600 (native) / 5,120 x 3,200 (processing)
Helligkeit	20,000 (4K UHD) center lumens / 19,000 (4K UHD) ansi lumens* 22,000 ISO lumens*
Kontrast	2200:1
Helligkeitsgleichförmigkeit	95%
Bildseitenverhältnis	16:10
ScenergiX	Horizontal and vertical edge blending
Optiken	TLD+ 0,37; 0,65-0,85; 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
Linsenverstellung	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)
Farbkorrektur	P7
Lichtquelle	Laser phosphor with inorganic phosphor wheel
Lebensdauer der Lichtquelle	>20,000 hrs
Optischer Dowser	Digital
Picture-by-picture	Two sources simultaneously
Gekapseltes optisches System	Standard
Ausrichtung	360°
DMX 512	Standard
WARP	Direct adjust OSD + toolset
Bildverarbeitung	Embedded warp & blend
Verarbeitung	Pulse Electronics
Trapezkorrektur	Yes
Integrierter Webserver	Yes
CLO (Constant Light Output -Konstante Lichtausgabe)	Standard
3D	Active eye wear (optional), passive circular (optional); 2 flash up to 200Hz
Eingänge	Single HDBaseT; HDMI2.0 (HDCP2.2, HDR10); DP 1.2 (HDCP1.3); Quad 3G/12G SDI/BarcoLink ULTRA
Optionale Eingänge	Quad DP1.2, Fiber SFP
Eingangsaufösungen	From NTSC up to 4K (4,096 x 2,160) Refresh rates: 24hz to 120hz 4K/4KUHD (4096 x 2160 / 3860 x 2400) to 240hz WQXGA (2560 x 1600)
Max. Pixeltakt	600 Mhz
Softwarewerkzeuge	Projector Toolset + Android** app + iOS** app
Bedienung	XLR wired + IR, RS232, Wifi**, GSM**

TECHNISCHE DATEN**UDM-4K22**

Netzwerk-Verbindung	10/100 base-T, RJ-45 connection, Wifi**
Stromversorgungsanforderungen	120-160 V (reduced power)18.5A / 200-240V (+/-10%), 13.5A, 50-60Hz
Max. Stromverbrauch	1800W nom/ 2400w max@230 volts ECO STBY 1560W nom/ 1950w max @ 120 voltsECO STBY
Geräuschentwicklung (typisch bei 25 °C/77 °F)	49 dB(A) (TBD)
Betriebstemperatur	0-40°C / 32°-104°F ***
Betriebsfeuchtigkeit	0-80% (non condens)
Thermischer Verlust BTU	Max. 6,900 BTU/h
Abmessungen (BxTxH)	725 x 540x 339 mm / 28.54 x 21.26 x 13.3'
Verpackungs-Abmessungen	incl. pallet (WxLxH) 850 x 665 x 613 mm / 33.46 x 26.18 x 24.13 inches
Gewicht	48 kg (105lbs) / shipping weight from factory: 61 kg (134.5 lbs)
Standardzubehör	Power cord, wireless/XLR wired rugged remote control
Zertifizierungen	Compliant with UL60950-1 and EN60950-1, complies with FCC rules & regulations, part 15 Class A and CE EN55032 Class A, Rohs
Gewährleistung	3 years
*Hinweis	*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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Die angegebenen Informationen und Daten sind typisch für das beschriebene Gerät. Jede Spezifikation kann sich aber ohne vorherige Ankündigung ändern. Die aktuelle Version dieser Broschüre finden Sie unter www.barco.com.