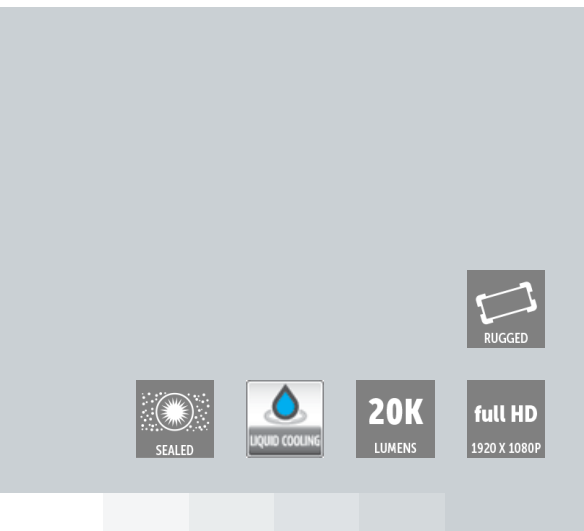


FLM-HD20

20,000 lumens, 1080p HD, 3-chip DLP projector



Barco's FLM-HD20 is an ultra-bright, durable projector with full HD picture-in-picture capabilities. It is a perfect fit for any large venue that requires extra brightness to show clear, crisp images in a luminous environment.

Powerful projection for large venues

Thanks to the FLM-HD20's 20,000 lumens light output, it can display widescreen, high-contrast images of superior quality even in venues with lots of ambient light. Through its superior video processing and picture-in-picture capabilities, you can make your presentations more interactive and energizing without the need for extra peripherals.

Most silent projector in its class

The FLM-HD20's liquid cooling technology cuts noise levels to a minimum, making it one of the most silent projectors in its class. The FLM is also equipped with a sealed optical engine that prevents dust, smoke or other environmental contamination from affecting its image quality.

Ultra-bright and stunning images

- High contrast 3-chip DLP™ engine
- True native HD resolution
- 20,000 center lumens
- Contrast ratio of 1,800:1

Low total cost of ownership

- Sealed engine with constant image quality over time
- Projector designed for high resistance against external contamination

- Extended lamp warranty (750 hours)
- Extremely good lamp maintenance (typical 1,000 hrs)
- TLD+HD lens range that is fully compatible with the Barco's HDX projector series

Built for demanding rental & staging applications

- Fully sealed optics
- Easy to set up, install, service and transport
- Removable lamp house, power supply & electronics
- Low video delay (broadcast live events)
- Universal lamp house for all FLM projectors

Fit for any widescreen & creative application

- High brightness projection at 20,000 center lumens
- "High-Contrast Mode" (2,400:1) feature enables you to make a trade-off between brightness and contrast, depending on your application.
- Low video delay, very important when broadcasting live events
- Ultimate solution for projection on multiple screens and special surfaces

Projector Toolset software

The FLM comes with standard "Projector Toolset" software, offering basic control, diagnostics and other features (e.g. a lens program). Additional software plug-ins can be offered as an option delivering added functionality for multi-screen applications, advanced settings control, etc. A user friendly GUI (Graphical User Interface) ensures easy control.

PRODUCT SPECIFICATIONS	FLM-HD20
Projector type	Full HD 3-chip DLP digital projector
Technology	0.95" DMD™ x3
Resolution	1,920 x 1,080
Brightness	20,000 center lumens / 19,000 ANSI lumens
Contrast ratio	2,100:1 / 2,700:1 (high contrast mode)
Brightness uniformity	90%
Aspect ratio	16:9
ScenergiX	Horizontal and vertical edge blending
Lens type	TLD+
Lenses	0.73:1 ; 1.2:1 ; 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: -10% to +110% ; Horizontal: -50% to +50% (on zoom lenses)
Color correction	P7
Lamps	3kW xenon
Lamp lifetime	1,000 hours
Transport with lamp	Yes
Lamp house, quick replace	Yes
Customer bulb replace	Yes
Lamp warranty (field replace/ factory replace)	90 days, 500 hours / pro rata 750 hours
Sealed DLP™ core	Standard
Optical dowser	Standard
Picture-in-picture	Two sources simultaneously
Orientation	table -ceiling -side (portrait) -vertical
DMX 512	Optional
WARP	Preset values + custom
Integrated web server	N/A
CLO (constant light output)	Standard
3D ready (optional)	Passive Infitec
Inputs	DVI(HDCP); 5-BNC RGBHV (RGBS/RGsB, YUV CS/SOY, Composite video, S-Video); SDI/HDSDI

PRODUCT SPECIFICATIONS	FLM-HD20
Optional Inputs	DVI(HDCP); 5-BNC RGBHV (RGBS/RGsB, YUV CS/SOY, Composite video, S-Video); SDI/HDSDI
Input resolutions	From NTSC up to UXGA (1,600 x 1,200) incl. HD (1,920 x 1,080)
Max. pixel clock	165 MHz
Software tools	Projector Toolset
Control	XLR wired + IR, RS232
Network connection	10/100 base-T, RJ-45 connection
Power requirements	220-240V / 50-60Hz
Max. power consumption	3700W
Noise level (typical at 25°C/77°F)	58dB(A)
Operational ambient temperature	0-40°C / 32°-104°F
Operational humidity	0-80% (non condens)
Dissipation BTU	max 12,625 BTU/h
Dimensions (WxLxH)	707 x 1,025 x 548mm / 27.83 x 40.35 x 21.57 inches
Weight	99kg (218.25lbs)
Shipping Dimensions	(LxWxH) 1,200 x 980 x 760 mm / 47.24 x 38.58 x 29.92 inches
Shipping Weight from Factory	151kg (333lbs)
Standard accessories	Power cord, wireless/XLR wired rugged remote control
Certifications	Compliant with UL1950 and EN60950 complies with FCC rules & regulations, part 15 Class A and CE EN55022 Class A, RoHS
Warranty	2 years

Last updated: 21 Jan 2018

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