

# FLM-HD20

20,000 lumens, 1080p HD 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.

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# Technical specifications

<b>Projector type</b>	Full HD 3-chip DLP digital projector
<b>Technology</b>	0.95" DMD™ x3
<b>Resolution</b>	1920x1080
<b>Brightness</b>	20,000 center lumens 19,000 ANSI lumens
<b>Contrast ratio</b>	2,100:1 2,700:1 (high contrast mode)
<b>Brightness uniformity</b>	90%
<b>Aspect Ratio</b>	16:9
<b>ScenergiX</b>	Horizontal and vertical edge blending
<b>Lens type</b>	TLD+
<b>Lenses</b>	TLD+ 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
<b>Optical lens shift</b>	Vertical: -10% to +110% Horizontal: -50% to +50% (on zoom lenses)
<b>Color correction</b>	P7
<b>Lamps</b>	3kW xenon
<b>Lamp lifetime</b>	1,000 hours
<b>Transport with lamp</b>	Yes
<b>Lamp house, quick replace</b>	Yes
<b>Customer bulb replace</b>	Yes
<b>Lamp warranty (field replace/ factory replace)</b>	90 days, 500 hours / pro rata 750 hours
<b>Sealed DLP™ core</b>	Standard
<b>Optical dowsers</b>	Standard
<b>Picture-in-picture</b>	Two sources simultaneously
<b>Orientation</b>	table - ceiling - side (portrait) - vertical
<b>DMX 512</b>	Optional
<b>WARP</b>	Preset values + custom
<b>integrated web server</b>	N/A
<b>CLO (constant light output)</b>	Standard
<b>3D ready (optional)</b>	Passive Infitec
<b>Inputs</b>	DVI(HDCP); 5-BNC RGBHV (RGBS/RGB, YUV CS/SOY, Composite video, S-Video); SDI/HDSOI
<b>Optional Inputs</b>	DVI(HDCP); 5-BNC RGBHV (RGBS/RGB, YUV CS/SOY, Composite video, S-Video); SDI/HDSOI
<b>Input Resolutions</b>	From NTSC up to UXGA (1600x1200) incl. HD (1920x1080)
<b>max. pixel clock</b>	165 MHz
<b>Software tools</b>	Projector Toolset
<b>Control</b>	XLR wired + IR, RS232
<b>Network connection</b>	10/100 base-T, RJ-45 connection

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<b>Power Requirements</b>	220-240V / 50-60Hz
<b>Max. power consumption</b>	3700W
<b>Noise level (typical at 25°C/77°F)"</b>	58dB(A)
<b>Operational ambient temperature</b>	0-40°C / 32°-104°F
<b>Operational humidity</b>	0-80% (non condens)
<b>Dissipation BTU</b>	max 12,625 BTU/h
<b>Dimensions (WxLxH)</b>	707 x 1025 x 548mm 27.83 x 40.35 x 21.57 inches
<b>Weight</b>	99kg (218.25lbs)
<b>Shipping Dimensions</b>	(LxWxH) 1200 x 980 x 760 mm 47.24 x 38.58 x 29.92 inches
<b>Shipping Weight from Factory</b>	151kg (333lbs)
<b>Standard accessories</b>	Power cord, wireless/XLR wired rugged remote control
<b>Certifications</b>	Compliant with UL1950 and EN60950complies with FCC rules & regulations, part 15 Class A and CE EN55022 Class A, RoHS
<b>Warranty</b>	2 years