

FLM HD18

Ultra silent, compact 18k lumens HD projector



Barco's FLM HD18 is the quietest 18,000 lumens native HD projector on the market today. Being very compact and extremely bright due to our liquid cooled optics (patent pending), the FLM projector is designed to be the perfect solution for rental & staging applications in large events and venues. It also solves the increased need to project high brightness native HD images.

The FLM boasts fully sealed optics and impressive lamp maintenance ensuring an overall lower cost of ownership. Moreover, we introduce a new High Definition, High Brightness lens range, the TLD+HD lenses, resulting in an even better image quality. This new range can be re-used on the industry leading Barco RLM and SLM projector series as well. Furthermore, you will enjoy exceptional video performance thanks to advanced 10 bit processing. Its exceptional brightness and near silent operation make it perfect for that special occasion where quality and high brightness cannot be compromised.

Winner S&VC's 2006 Pick Hit Award

At Infocomm 2006, Sound & Video Contractor selected the FLM HD18 as a winner of the Pick Hit Award for outstanding (and useful) technology at this year's show.

More info at www.svconline.com

BARCO

Visibly yours

Product specifications**FLM HD18**

Light output	18,000 center lumens 16,000 ANSI lumens
Resolution	HD 1080 (1920x1080px)
Brightness uniformity	> 90 % for the total screen
Contrast ratio	1800 : 1 (full field) high contrast mode: 2400 : 1 (full field)
Display	3-chip DLP HD (1920 x 1080 pixels, aspect ratio 16:9)
Convergence	Max allowed convergence drift is 0.5 pixel. This is checked on vertical and horizontal midlines only. Corners are not applicable for convergence error. This is measure with TLD 1.2 lens on axis.
Features	<ul style="list-style-type: none">■ Picture-in-picture■ Seamless switching with effects■ Standard light shutter■ Rigging points■ Carrying handle■ High contrast mode■ P7 color processing■ internal warp module
Picture-in-picture	2 sources simultaneously
Inputs	<ul style="list-style-type: none">■ configurable 5 cable (BNC)■ DVI■ (HD)SDI (+ loop through)■ DVI - HDCP
Outputs	HDSDI/ SDI loop out
Communication	<ul style="list-style-type: none">■ 1x RS-232C IN (D-9 connector)■ 1x RS-232C OUT (D-9 connector)■ 1x RS-232C IN (XLR connector)■ 2x prop. protocol (RJ45 connector)■ xlr and mini-jack for wired remote control
Compatibility	<ul style="list-style-type: none">■ All current video sources (PAL, SECAM, NTSC) in Composite, S-Video, Component or RGB formats■ All current HDTV sources■ All computer graphics formats from VGA, SVGA, XGA, SXGA, full HD, UXGA to QXGA■ Most Macintosh computers■ Electronic workstations with a resolution up to QXGA (2048 x 1536 pixels @ 60 Hz)■ Most computer sources with a pixel clock up to 300 MHz■ DVI sources up to DC2K (2048 x 1080)
Input source compatibility	max. input: up to QXGA (2048 x 1536)
Screen size	From 1 - 12m / 3 - 39ft. recommended
Scan Frequencies	pixel clock >162Mhz (up to QXGA @ 60Hz)
Network connection	10/100 base-T
On board display server	Ethernet control standard remote control projector over ethernet via Projector Toolset
Ambient temperature	Max 40°C (104°F)
Lamp	3.1 kW Xenon Warranty universal lamphouse: 750 Hrs
Lens Shift	Vertical: -10% to +110% Horizontal: -30% to +30% (small differences exist per lens type, e.g. short throw lenses have less shift)
Lens encoders	On zoom and focus (with TLD lenses)
ScenergiX	Standard horizontal & vertical electronic edge blending

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Dust filters	Dense, high quality microfilters, also available as spare kit
Noise Level	58 dBA (at 40°C)
Mains Voltage	200 - 240 V
Power consumption	3500 W (with universal lamp)
Power Dissipation	max 13,300BTU/h
Weight	99 kg (220 lbs)
Dimensions	WxLxH: 707 x 1025 x 548 mm (27.8 x 40.3 x 21.5 inch) incl. carrying handle + rigging points
Shipping Dimensions	Width: 92 cm Height: 95 cm Depth: 123 cm Floor Space: 1,1316 m ² Volume: 1,075020 m ³ Gross Weight: 161 kg
Safety Regulations	Compliant with UL1950 and EN60950
Electromagnetic Interference	complies with FCC rules & regulations, part 15 Class A and CE EN55022 Class A
Order Information	Projector: R9004450 Spare lamp: R9854535 6-pack dust filters: R9454470 24-pack dust filters: R9454480 RGB HV module: R9854440 FLM/SLM adaptor plate: R9854490 FLM carry handle: R9854530 FLM flight case: R9854510