

# FLM R20+

Ultra quiet, compact 20k lumens projector



**Product specifications****FLM R20+**

General specifications	
Light output	20,000 center lumens 18,000 ANSI lumens
Resolution	1400 x 1050 (native)
Brightness uniformity	> 90% for the total screen
Contrast ratio	1800 : 1 (full field)  High contrast mode: 2400 : 1 (full field)
Display	3 Chip DLP SXGA+ (resolution of 1400 x 1050 pixels (aspect ratio 4:3)).
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"><li>■ Picture in picture</li><li>■ Seamless switching with effects</li><li>■ Standard light shutter</li><li>■ Rigging point</li><li>■ Carrying handle</li><li>■ High contrast mode</li><li>■ P7 color processing</li><li>■ internal warp module</li></ul>
Picture-in-picture	2 sources simultaneous
Inputs	Modular Inputs: <ul style="list-style-type: none"><li>■ Configurable 5 cable (BNC)</li><li>■ DVI</li><li>■ (HD)SDI (+ loop through)</li><li>■ DVI - HDCP</li></ul>
Outputs	HDSDI/ SDI loop out
Communication	<ul style="list-style-type: none"><li>■ 1x RS-232C IN (D-9 connector)</li><li>■ 1x RS-232C OUT (D-9 connector)</li><li>■ 1x RS-232C IN (XLR connector)</li><li>■ 2x prop. protocol (RJ45 connector)</li><li>■ xlr and mini-jack for wired remote control</li></ul>
Compatibility	<ul style="list-style-type: none"><li>■ All current video sources (PAL, SECAM, NTSC) in Composite, S-VHS, Component or RGB formats</li><li>■ All current HDTV sources</li><li>■ All computer graphics formats from VGA, SVGA, XGA, SXGA, full HD, UXGA to QXGA</li><li>■ Most Macintosh computers</li><li>■ Electronic workstations with a resolution up to QXGA (2048 x 1536 pixels at 60 Hz)</li><li>■ Most computer sources with a pixel clock up to 300 MHz</li><li>■ DVI sources up to DC2K (2048x1080)</li></ul>
Input source compatibility	Max. input: up to QXGA (2048 x 1536)
Screen size	From 1-12m / 3-39ft.recomended

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Scan Frequencies	Pixel clock >162Mhz (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: -50% to +50% (small differences occur per lens type) (short throw lenses have less shift)
Lens encoders	On zoom and focus (with TLD lenses)
ScenergiX	Standard horizontal and vertical electronic edge blending
Sealed DLP™ core	Standard
Dust filters	Dense, high quality microfilters available as spare kit, in a 6-pack & 24-pack
Noise Level	56 dBA (at 40°C)
Mains Voltage	200 -240 V
Power consumption	3300 W (with universal lamp)
Power Dissipation	max 11953BTU/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 <sup>2</sup> Volume: 1,075020 m <sup>3</sup> 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: R9004430 Spare lamp (universal lamp house): 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

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