

ELM R12

The ELM R12 combines exceptional light output and high resolution with advanced signal processing to deliver a remarkable breakthrough in performance for large screen cinematic video display.



- Extreme light output ... up to 12,000 ANSI lumens!
- Vibrant and astonishing real images, thanks to high-definition DLP technology.
- Powerful Xenon lamp
- High-contrast level of >500:1
- Three SXGA DMD panels with a resolution of 1280x1024 pixels
- 13 bit signal processing for superior low-light performance
- Patented Pixel Map Processor ensuring extreme image quality and razor-sharp pictures
- BARCO's advanced TCRPLUS feature improves the image quality of both video and RGB sources
- An integrated all-round carrying handle and optional front and side forklift chassis attachment facilitates transport.
- A rugged internal steel frame allows double and triple stacked configurations without the need for stacking frames.

- Integrated fixation points, compatible with standard rigging gear for easy truss mounting.
- A unique interlocking feature allows direct stacking or flying of up to three projectors without additional hardware.
- Advanced Modular construction and quick-release side panels ensure easy service and maintenance - even when stacked.
- Convenient side connection of all video and power inputs
- Motorized Image shift, zoom and skew for pixel accurate picture alignment in stacked configuration
- Heavy duty adjustable leveling feet
- Built-in Serial Digital Input (SDI/4:2:2) for direct connection of digital video sources with active loop-through for monitoring or double and triple stacking applications.
- Up to 100% vertical or 80% horizontal Lens Shift when using BARCO's unique zoom lenses
- Extensive Image Size, Shift and Keystone geometry adjustments.
- Light shutter blanks image when paused
- External auto-diagnostics with back-lit LCD display of 2 lines of 24 characters
- Internal test patterns (crosshatch, color bars, grayscale,...)
- Pre-calibrated color temperature selections (3200K, 5400K, 6500K, 9300K or custom)
- Easy firmware upgrade from PC via RS232 input
- Intuitive on-screen display
- Multi-level password protection
- Modular lamp power supply with automatic redundancy feature.
- All currently proposed HDTV, extended and improved television standards (Eureka 95, Hi-Vision, ACTV, IDTV, EDTV,...)
- Connect computers and workstations with a resolution of up to 1600 x 1280 pixels, including PC's and most Mac computers.
- Two digital input slots to allow for direct digital interfacing with current and future digital standards
- Display all current Video sources in Composite, S-VHS, RGB or Component, or Serial Digital format.
- Constant Light Output (CLO) guaranteed. Unique feature of the ELM Series. The initial maximum brightness level is maintained for a much longer time than

- Constant Light Output (CLO) guaranteed. Unique feature of the ELM Series.
The initial maximum brightness level is maintained for a much longer time than any competitive projection system.
The drop in light output of the lamp is measured and compensated.
In this way the initial light output can be kept constant for a longer period.
- Change lamp modules in less than 2 minutes! More info on lenses?
- Broad range of 10 QLD lenses, fixed focal or motorized zoom, going from 0.8 to 15 times the screen width.
- The unique optical design of the lenses allows the projector to be installed at any position or throw distance from the screen surface.
The lens shift of the ELM R12: up to 85% horizontally and 100% vertically, making on-site image adjustments easier!
- Easy adjustments in low-light environments thanks to backlit LCD display on the control panel
- Meets the diverse brightness or power requirements of various applications thanks to flexible chassis which can accommodate different lamp modules.
- Need higher light output? Need redundancy for critical presentations?
Frames are available for easy & stable stacking of two or three units.
Stacking has never been easier thanks to the unique interlocking feature
- Fast service and maintenance thanks to easily removable side panels and innovative internal architecture, Modular structure,
means greater accessibility to serviceable parts. The lamp house, power supply, electronic drawer and dust filter are easily swappable.
- To meet future lamp power requirements,
up to 3 lamp power supplies can be installed.
- Easy firmware upgrade from PC via RS232 input.
- Platform is designed to include future DLP modules.
- Direct digital interfacing ready for not only today's but also tomorrow's digital standards as the ELM has 2 digital input slots available

技术规格**ELM R12**

一般规格	
光输出	12,000 ANSI lumen
数字微镜器件	3 high resolution S-XGA DMDs
分辨率	1280 x 1024 (native) 1600 x 1280 (max)
亮度均匀性	> 90% for the total screen area
对比度	Normal mode: 500 : 1 High mode: N/A (Full White / Full Black)
灯泡	Lifetime (max): 1000 Hrs Lifetime (typ): 750 Hrs Lamp Power: 3.0 kW
兼容性	<ul style="list-style-type: none"> · All current Video sources in Composite, S-VHS, RGB or Component or Serial Digital format · All currently proposed HDTV, extended and improved television standards (1080i, 720p,...) · Computers and workstations with a resolution of up to 1600 x 1280 pixels · Most Macintosh computers · Two digital input slots to allow for direct digital interfacing with current and future digital standards
电源电压	185V -260V
功率消耗	3.750 Watt
环境温度	40°C (104F) max
尺寸	1.465 mm x 760 mm x 554 mm 57,7" x 29,9" x 21,8"
净重	135 kg / 298 lbs
镜头	QLD zoom lenses have been designed for high resolution SXGA projectors. Compatible with LD lenses, designed for XGA resolution projectors, but with limited shift capabilities.
无缝切换	Not available
ScenergiX	Not available
镜头移动	QLD Lenses Motorized V shift: up to 100% Motorized H shift: up to 85% LD Lenses Motorized V shift: up to 35% Motorized H shift: up to 25% For specific details per lens type: see lens product pages
封装DLP™内核	No

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网络连接	Not available
固定输入	<ul style="list-style-type: none">· 1 Multifunctional 5-cable input for the connection of RGB analogue signals with standard sync (BNC connectors) or tri-level sync, sync on green or separate sync, Standard Video signals, S-VHS signals· 1 RGB analogue input with standard sync (BNC connectors), sync on green or separate sync· 1 SDI input (Serial Digital Input)
可选输入	<p>Two free analog input slots for optional input modules:</p> <ul style="list-style-type: none">· Video/S-Video Input: Video on BNC, S-Video on 4-pin mini-DIN connector· Component Video Input (Y, R-Y, B-Y, S) on 4 BNC connectors· RGB analogue input with tri-level sync (BNC connectors), sync on green or separate sync <p>One free digital input slot for optional digital input modules:</p> <ul style="list-style-type: none">· SDI· HD -SDI
输出	-
远程控制	<ul style="list-style-type: none">· RS232 or RS422 loop-through input (D9-connector) for PC based projector control· Communication input (D9-connector) for peripherals· 3 pin male XLR connector for wired remote (standard remote)· 3 pin female XLR connector for bi-directional communication (rugged remote)

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技术规格随时变化, 不会事先通知。请访问www.barco.com.cn, 获取更新信息。