XLM HD30

Features

- 30,000 center lumens
- Native 2048x1080 resolution
- Widescreen 1.89:1 aspect ratio
- Contrast ratio of 1600:1
- Simultaneous display of 4 high-bandwidth input channels

The ultimate high-brightness projector for high-resolution multi-windowing

The XLM is the most powerful projector available on the market today capable of delivering high-resolution pictures on screens up to 12m wide.

Leading the way in wide-screen projection, the XLM HD30 can be used for multiple window wide-screen presentations without the need for an external image processor. Pre-programmed screen layouts can be stored in the projector memory. A wide array of inputs omits the need for external switchers.

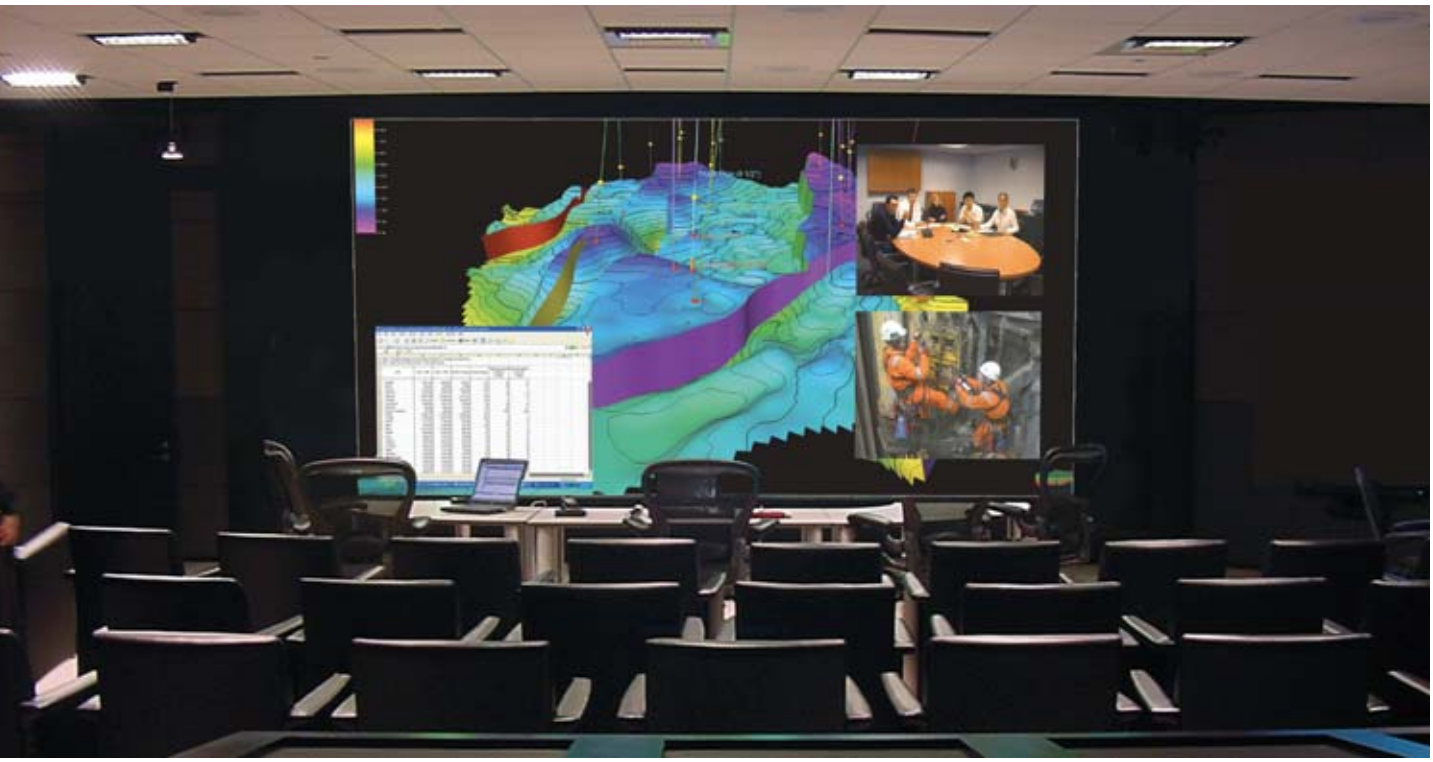
The modular structure of the lamp house and the electronics allows for easy maintenance cost and lowers operational costs.

Applications range from analysis and decision making to product development and design. The XLM also finds its way to impressive presentation rooms, corporate lobbies and boardrooms.

BARCO

Visibly yours

More accurate analysis, faster results



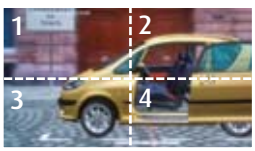
Screen sizes up to 12 m with a single projector

Barco's XLM HD30 projector is the first ever native widescreen 3-chip DLP projector. Using a 6.3kW Xenon lamp which produces 30,000 center lumens, the XLM HD30 projector guarantees high-impact projection in even the most critical application.

Up to 100 % more detail Simultaneous display of up to 4 windows

With its brand-new DMD chip-set, the XLM provides a native resolution of 2,048 x 1,080 pixels, allowing simultaneous display of two juxtaposed native XGA pictures.

Display up to 4 data or video inputs or any combination in sizeable windows on the screen. Zoom in to a window for greater detail.



Achieve highest resolution with a cluster of 4 PC's thanks to the built-in compositor.

Panoramic impact

Built-in edge blending and Electronic Soft Edge Matching allow you to use multiple projectors and create smooth overlaps.

Raise visualization efficiency

Easy to use Pre-programmed window layouts

Intuitive on-screen menus allow to define multi-window positions for the various applications you need and safe them in the projector for later use. The total screen area is represented as a single canvas onto which the input sources can be arranged by a simple drag and drop operation.

Overlay windows in a dynamic way. Determine which windows to send to the back or bring to the front.

Easy installation and maintenance

For many applications a single XLM will deliver an excellent performance

- No need for blending or color matching
- No external switcher necessary
- No need for an external image processor
- Online diagnostics: a built-in Ethernet interface allows to manage all projectors via the network.
- Remote controllable via Crestron/AMX

Multi-screen set ups

Dedicated test patterns enable a pixel accurate alignment of the projectors and their image overlap

High reliability

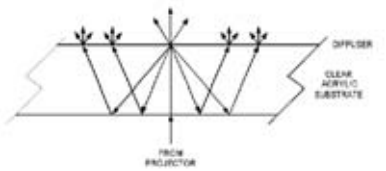
- Designed for 24 hours/7days a week applications
- Fully sealed DMD engine protects against smoke and dust
- Effective liquid cooling enables the sealed engine to reliably handle the extremely high light output
- For use in passive stereo applications the projector's integrated rigging points allow easy double-stack installations, which can be truss mounted. When placed on a support can even be double-stacked.

XLM + High Contrast Screen: High contrast and high brightness in normal light conditions

A projector can only illuminate a screen, not make it any darker. The brighter the ambient light, the more critical. In these cases the use of an appropriate screen becomes of paramount importance.

Barco's High Contrast Screen: a high black level with exact optimal gain

As the light from the projector strikes the diffusion material of the screen it is reflected back into the substrate.



A portion of this reflected light is then reflected from the back edge of the substrate back onto the diffusion material. On typical rigid screens this 'back scattering' results in blurry pictures with soft focus.

The darkened base of Barco's High Contrast Screen dramatically reduces the reflected light that bounces back to the diffuser resulting in sharper images and increased contrast. Also reflections of environmental light are mostly absorbed.

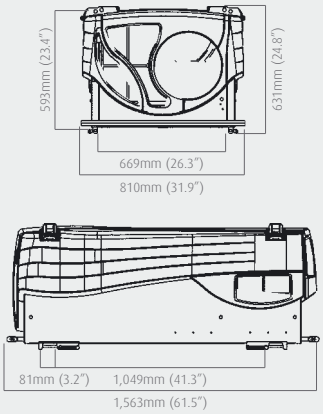
Modular design

- Compact removable lamp house module
- Removable power supply
- Removable electronics

- Four standard input slots
- Standard equipped with RGB, DVI-D, SDI and HD-SDI
- Optional composite video/S-video and RGB/YUV (both + loop through)

XLM HD30 specifications

Light output [1]	30,000 center lumens	**DIMENSIONS**
Native resolution	2,048 x 1,080 pixels	
Contrast ratio	1,600:1 (full field)	
High contrast mode	available with special lenses	
Lamp	6.3kW Xenon	
Lamp lifetime (maximum)	1,000 Hrs	
Lamp lifetime (typical)	650 Hrs	
Lamp lifetime (minimum)	500 Hrs	
Max. ambient temperature	35°C (95°F)	
Power consumption	8,400 W	
Mains voltage	3 x 400 V + N or 3 x 220 V	
Weight projector	180 kg (400 lbs)	
Dimensions (W x L x H)	810 x 1,563 x 631 mm (31.9 x 61.5 x 24.8 inch)	



FEATURES		
Sealed DLP core	standard	
Scenergix	standard horizontal & vertical electronic edge blending	
Network connectivity	standard (10/100 base-T; 2 ports, internal hub)	
Advanced picture in picture	up to 4 sources simultaneous (with alfa blanding; z-order)	
INPUTS		
Input source compatibility [2]	up to 2,048 x 1,080 @ 60Hz/ 1,600 x 1,200 @ 60Hz	
Modular inputs - standard	1x DVI • 1x SDI • 1x HD-SDI (all + loop through) • 1x RGB analogue (up to UXGA)	
Modular inputs - optional	1x composite video/S-video • 1x RGB/YUV (both + loop through)	
ORDER INFORMATION		
XLM HD30 (incl. 4 inputs)	R9004460	
XLM HD30 (incl. 1 DVI)	R9004461	
Spare lamp	R9842411	
LENSES		
Fixed focal lenses	XLD 1.0	R9852950
Zoom lenses	XLD 1.45 - 1.8	R9852090
	XLD 1.8 - 2.4	R9852092
	XLD 2.2 - 3.0	R9852094
	XLD 2.8 - 5.5	R9852100
	XLD 5.5 - 8.5	R9852920

[1] measured with XLD 1.45 - 1.8 on axis

[2] all current video sources in composite, S-VHS, RGB or component or Serial digital format
all current proposed HDTV, extended and improved television standards (1080i, 720p, ...)
computer and workstations with a resolution up to 2,048 x 1,080 @ 60Hz / 1,600 x 1,200 @ 60Hz
most Macintosh computers
direct digital interfacing with current and future digital standards

PICTURE BY DLP™ A TEXAS INSTRUMENTS TECHNOLOGY

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