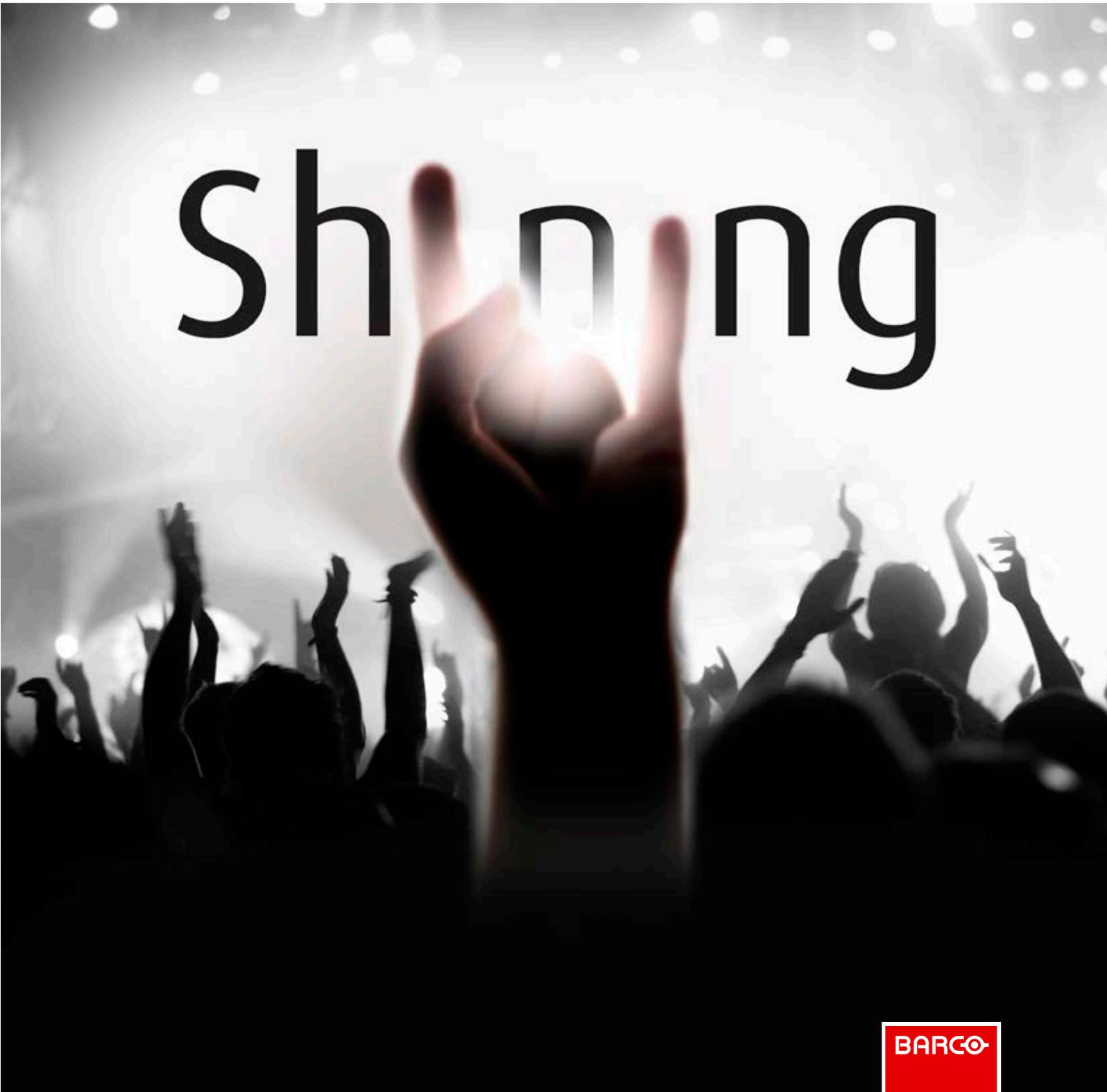


Projection & image processing for rental & staging

Powering up your stage



Shinning

BARCO

Visibly yours

10 reasons to choose Barco

You will find our technology at the world's biggest events – setting the scene for more than 2,500 gigs and shows every year. As a global leader in projection and image processing technology, Barco offers a comprehensive portfolio of products that make your show a success.

To create unforgettable experiences, the best performers and the greatest events in the world continually try to exceed their audiences' expectations. With Barco, you have full flexibility to turn your ideas into stunning events.



1 A trusted partner
Selecting Barco as your partner means choosing years of experience in the rental and staging industry. Barco's premium projection and image processing technology has already proven its worth at the world's largest events. And as our reliable technology guarantees flawless events, your mind will be at ease at all times.

2 Perfect image quality
It goes without saying: image quality is crucial in creating the most awe-inspiring shows. That's why our projectors come with 3-chip DLP technology, for crisp images with remarkable color stability and saturation. And by offering a broad range of projectors – from 8,000 up to 40,000 lumens light output – we can always meet your projection needs. Paired with our world-class image processing tools, sharp and stable images are guaranteed on every occasion.

3 For the most demanding events
Serving the rental and staging industry for so many years, Barco knows from experience how demanding live events are. So, we've developed our projectors and image processors to be the ultimate tools for creating the most astonishing shows. By offering full flexibility, easy servicing and installation, peace of mind is guaranteed at all times.

4 Designed with the road in mind
Designed for life on the road, Barco's rugged products can fully withstand the rigors of constant shipping and use. Our projectors come with a metal chassis for greater durability and, by adding a top or bottom frame, they can also be easily rigged or stacked. With features such as a compact form factor, our image processing tools support the challenging environment of any live event as well.

“Barco delivered everything right on time, the installation went smoothly and so far, everything has worked faultlessly. The Barco projectors ensure the best possible backdrop to any show, classical or pop concert or conference that Iceland's cultural palace is now hosting. We're honored.”

Kristján Magnússon, Project Manager, Exton



Harpa Concert and Conference House, Reykjavik, Iceland

5 Fully ready to support 3D

A global digital cinema technology leader, Barco has perfected 3D projection over the past three decades – we know how to make 3D work. We've brought this expertise to the rental and staging industry and have developed event projectors that are fully ready to support 3D.

6 Premium image processing

Barco offers the most advanced image processing tools on the market. A benchmark in the industry, our custom-designed Athena™ scaler enables flexible scaling. That's why we've also integrated this state-of-the-art image processing and scaling technology in our HD projectors.

7 Optimum ease of use

Barco designs its projectors and image processing tools with efficiency and a quick setup in mind. Our products are very simple to install and operate, and they come with an intuitive user interface so that everyone can enjoy our technology with a minimal amount of training and a maximum result.

8 Dedicated training

In today's competitive world, up-to-date technical expertise and skills are a must. That's why we offer a certified training program, fully tailored to the rental and staging industry. So you're always on top of the technology.

9 Global reach, local presence

For optimum peace of mind, you can rely on our services to keep your gear up and running at all times. Our worldwide support network guarantees 24/7 professional assistance wherever you are, whenever you need it.

10 Future-proof

As a global leader in projection and image processing technology, Barco is committed to offering its customers the most innovative and comprehensive range of products available. What's more, we continually invest in new technologies to anticipate future customer needs.





PROJECTION

RLM series

Super silent and compact projectors



Why you'll love the RLM series

Flawless image quality

Thanks to its 3-chip DLP image quality, the RLM generates images with excellent color saturation, more stability and a richer contrast than traditional single-chip DLP projectors of the same price. What's more, with the RLM's WUXGA (1,920 x 1,200) resolution, you see all important details at once. Installed in a large venue, images are clearly visible from the first to the last row.

More flexibility

As the RLM projectors come with on-board warping and blending features, you have more flexibility to manipulate your images and videos just the way you want to. Our proprietary BarcoLink technology guarantees swift signal distribution between Barco's projectors and image processors. With BarcoLink, signals are distributed over a BNC coax cable, which is not only more durable but also enables you to lower your costs.

Less power consumption

The RLM projectors consume less energy than comparable projectors in their range. This minimal energy consumption guarantees a lower cost of ownership.



Barco's projectors provide astonishing color rendition, resolution and clarity. We used the RLMs wherever possible, since their ultra-high resolution is essential for presenting fine-grained, abstract imagery."

Carl Goodman, Senior Deputy Director, Museum of the Moving Image

Two models to choose from



RLM-W8

8,000 lumens



The projectors were amazing. In spite of the portrait mode, they didn't fail for 31 days, running 13 hours a day. On top of that, I was baffled at how silent they are."

Paul Hutton, Managing Director,
Blitz Communications



Ultimate ease of use

With the RLM Commander software, controlling your projector is simple. And as the RLM series is compatible with the free Barco Projector Toolset software, you can use the same software to manage your entire fleet. The RLM

series also features swift remote control over IP networks, and you can easily control your projector via the Android 'Projector control app' for your smartphone or tablet PC.



Easy rigging and stacking

An optional ceiling mount or stacking frame makes the RLM ideally suited for events. Mount two RLM projectors in a stacking frame to double the light output.



RLM-W12

11,500 lumens

Unique features of the RLM-W12

- Standard active 3D capabilities for easy playout of 3D content
- TLD lenses for full compatibility with the HDX, HDF & FLM projectors

HDX, HDF, HDQ series

Heavy-duty, high-brightness projectors



Why you'll love the HD projectors



Xenon illumination

Thanks to their Xenon lamp and high-contrast optical engine, these projectors display rich colors, presenting audiences with crisp and vivid images on every occasion.

Interchangeable lenses

The TLD lenses of Barco's HDX and HDF projectors are fully interchangeable. And if you already own a Barco SLM or FLM projector, you can simply reuse these lenses for your HDX or HDF projector. This saves you from making unnecessary expenses.

Fully ready to support 3D

With the optional active 3D input module, your Barco event projector is compatible with all current 3D standards and fully ready to display any 3D image.

Athena scaling

Building on Barco's renowned ImagePRO series with Athena™ scaler, the HD projectors are equipped with on-board image processing for unlimited and flexible scaling. This boosts creativity and decreases the time it takes to get sources on screen.

Full flexibility

Thanks to the projectors' warping feature, you can correct image geometry to virtually any surface - whether flat, curved or spherical. And the proprietary BarcoLink technology enables rapid signal distribution between the projectors and image processors over a BNC coax cable, which is not only more durable but also cuts costs.

Three series, six models to choose from



HDX-W12

12,000 lumens



HDX-W14

14,000 lumens



HDX-W18

18,000 lumens



Unique features of the HDQ-2K40

- 40,000 lumens light output for ultimate brightness
- Saturated and bright images thanks to 2K resolution
- Geared with XLD lenses for full compatibility with XLM projectors

Fast remote control

Barco's rental projectors are designed for simple, wireless control. Whether from one central PC or via the Android 'Projector control app' for smartphone or tablet computer, you remain connected to your projector at all times.

Preview mode

The HD's built-in color LCD screen provides you with all the information you need on your projector's connected

sources, status, power, temperatures and lamp runtime. And it also allows you to preview your connected sources.

Designed for the road

As Barco's HD projectors are designed for the road, they come with a rugged metal chassis for more durability. Equipped with a top or bottom frame, stacking or rigging the projectors is really easy. And thanks to their modular design, they can easily be serviced as well.

Choose your brightness

One of the most striking features of Barco's HD projectors is their 'light-on-demand' option. As you can fully tune the light output of the HDX-W18, HDF-W26 and HDQ-2K40 to your event, you only need three projectors to generate any brightness from 10,000 right up to 40,000 lumens.

Remotely adjustable

The HDX-W18, HDF-W26 and HDQ-2K40 projectors can be programmed for a specific light output in incremental steps of 2,000 lumens using Barco's Projector Toolset software or by entering a specific code in the user menu on the projector. With the optional GSM module, you can even adjust their light output remotely, simply by sending a text message (SMS) containing a code to the projector.



HDF-W22

22,000 lumens



HDF-W26

26,000 lumens



HDQ-2K40

40,000 lumens



FLM-R22+

Bright and rugged 22,000 lumens projector



Why you'll love the FLM-R22+



Proven track record

Known as one of the workhorses in the events industry, Barco's FLM projector has a proven track record. Indoors or outdoors, its light output delivers bright images, even under conditions of strong ambient light.

Picture-in-picture capabilities

Through its superior video processing and picture-in-picture capabilities, you can make your show more energizing and interactive without the need for extra peripherals.

Sealed optical engine

Just like the other Barco rental projectors, the FLM-R22+ is equipped with a sealed optical engine – preventing dust, smoke or other environmental contamination from affecting its image quality.

SXGA+ resolution

Providing a true native 1,400 x 1,050 resolution and a contrast ratio up to 2,200:1, the FLM-R22+ guarantees crisp, clear images at all times.

Liquid cooling

The FLM-R22+'s liquid cooling technology cuts noise to a minimum, making it one of the quietest projectors in its range.



Fortunately, with Barco projectors, we don't have to rein in our imaginations when designing a dynamic, game-changing show. They can handle anything we can envision, and do so reliably and consistently."

Bryan Edens, Producer & Director of Marketing, SenovVA





IMAGE PROCESSING

FSN

Multi-format presentation switchers



Why you'll love the FSN

Simple switching

The FSN simplifies system interconnections, setup and control while providing advanced features for presentations. Thanks to its flexible input and output capabilities, the FSN operates as a multi-channel 'anything in, anything out' system.

Easy to use

The user-friendly FSN is fast to set up, providing easy show control. The FSN can be controlled from the FSN-150 controller and a color touch panel display. The fixed configuration FSN-1004 is controlled from an intuitive graphical user interface running on a PC or MAC.

Hybrid presentation and production switcher

Barco's FSN is the only hybrid presentation and production switcher on the market and, with its 10 universal inputs, it tops the available universal inputs on a production style switcher. It is also the only production style switcher that comes with universal, mixable aux outputs.

Built for the road

Coming in a compact form factor, the FSN offers advanced and seamless switching. And its modular design enables easy servicing. What's more, it offers flexible and reconfigurable input and output.

Integrated monitoring

The FSN is equipped with a 'multiviewer' (MVR), a fully integrated monitoring solution that enables you to easily monitor up to 16 video inputs and/or outputs, eliminating the need for an external multiviewer and signal distribution devices.

Two configurations to choose from



FSN series

- Fully configurable:
- FSN-1400 video processor
 - FSN-150 controller

FSN-1004

- Fully integrated multi-screen presentation system in a fixed configuration

ImagePRO

All-in-one signal processors



Why you'll love the ImagePRO

High-performance processing

Incorporating the Athena™ scaler, our custom-designed image processing technology, the ImagePROs offer flexible scaling. What's more, the Athena™ scaler is built to be fully adaptable, providing superior signal clarity, while maintaining a low processing latency of only one frame. Athena™ provides the highest possible image quality while minimizing processing delays.

Guaranteed performance

The ImagePRO series is known in the industry as the standard for flexible image processing during live events. They are essential video toolsets in creating a stunning show. As all-in-one video scaler, scan converter, switcher and transcoder, they convert any input signal format to any output format.

Ultimate image quality

The image quality of the ImagePRO is second to none. Thanks to the high-end Athena™ scaler, it delivers high resolution, resulting in crisp and clean images with lively colors at all times. In this way, your images look 'PROfessional' on any occasion.

Shock tested, roadie approved

As the ImagePRO has been specifically designed with the road in mind, it is shock-resistant, and just one rack unit high. It not only saves time and space but it supports the demanding environments of any live event.

Easy setup, swift navigation

Equipped with an LCD navigation panel on the front and with a knob for scrolling through the various options, controlling the ImagePRO is simple. Its familiar user interface guarantees quick setup and swift navigation. What's more, it can even be controlled in real time via Ethernet through a browser.

Three models to choose from



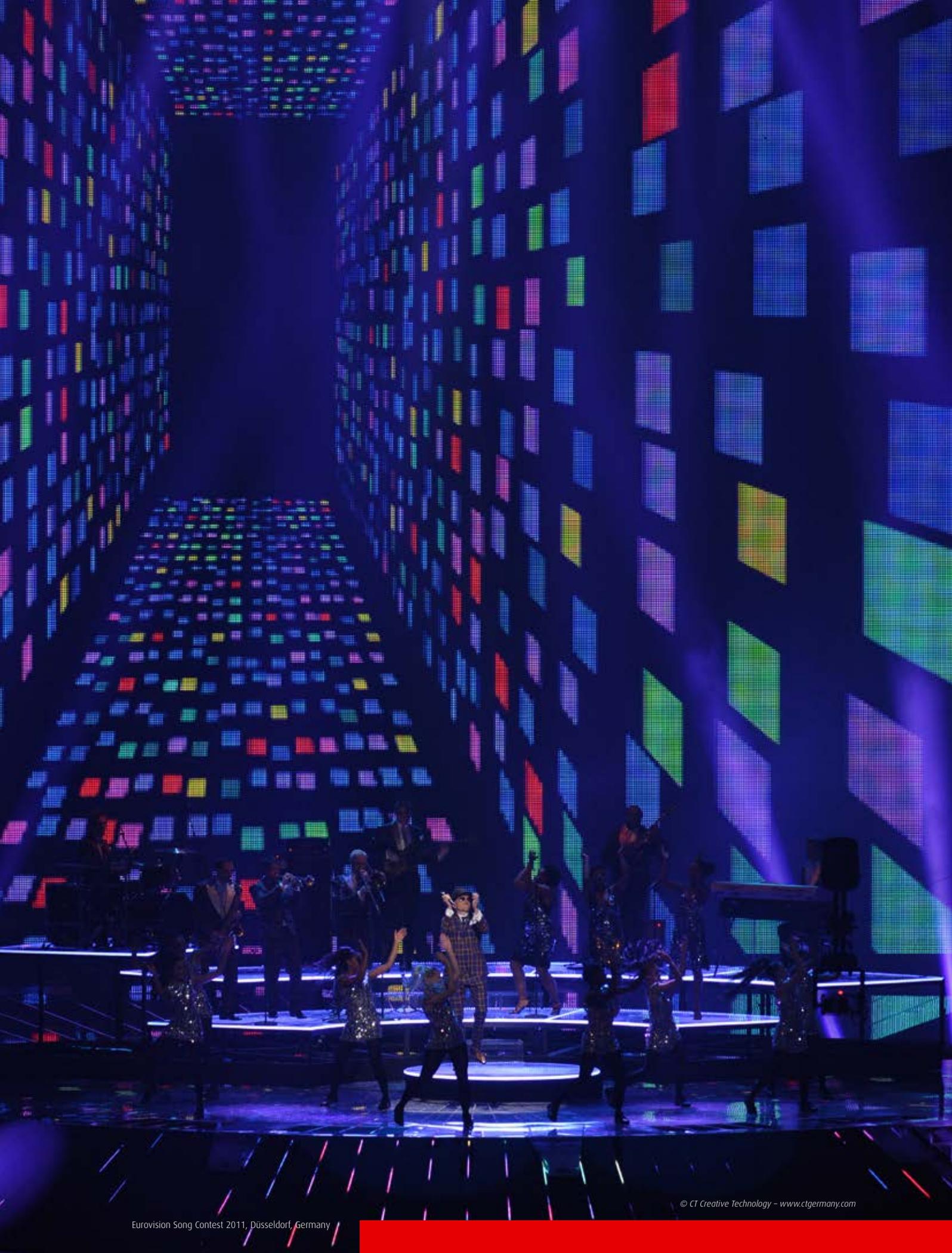
ImagePRO-3G



ImagePRO-II



**ImagePRO-II
with dual output**



Encore

Modular, scalable presentation switcher

“We can always count on Barco for a highly stable, reliable platform and consistent image quality – an absolute must for a high-profile tour with this much complexity.”

Phil Mercer, Managing Director, XL Video



© Steve Jennings

Why you'll love the Encore

Advanced video processing

As the most advanced video processing and presentation control switcher, the Encore provides source selection, automatic source acquisition and configuration, advanced windowing features, seamless switching, video effects and integrated control for professional video presentations.

Fully scalable

Thanks to its modular and scalable architecture, the Encore supports a wide variety of show configurations, from the smallest single-screen event to the most critical widescreen edge-blended presentation. It efficiently supports up to 32 screens with any combination of independent display or seamless widescreen display elements. Up to 12 independent windows can be resized and positioned in real time, with programmable borders and drop shadows.

Total event control

The Encore System Controllers provide simple control in real time. The fully reliable controllers support events by allowing integrated control of multiple Encore Video Processors in addition to matrix switchers. The Encore can also be integrated with the Barco ScreenPRO-II, ImagePRO and FSN image processing tools.

Three models to choose from



Encore Controller SC

- Supports up to 24 inputs
- Up to 6 screens



Encore Controller LC

- Supports up to 64 inputs
- Up to 32 screens



Encore GC

- A software program to:
- control the Encore and ScreenPRO-II
 - manage the Encore Control Unit (ECU)

PDS-902

Easy-to-use digital switcher



Why you'll love the PDS-902



Fast and seamless switching

As a high-quality, user-friendly and fast seamless switcher, the PDS-902 features fast source acquisition and offers flawless scaling.

More digital inputs

Featuring four DVI-I inputs with full HDCP 1.0 support, one 3G/HD/SD/SDI and four universal analog inputs, the PDS-902 meets the industry's requirements for more digital inputs at an affordable price.

Enhanced processing

10-bit sampling and processing provides an improved signal-to-noise ratio and preserves a dynamic range to improve image fidelity. This is especially apparent in dark regions and areas of smooth, slightly varied tonal values.

Easy control

The PDS-902 can easily be controlled remotely via a tablet PC or smartphone. What's more, the Encore and ScreenPRO-II controllers can offer auxiliary control for the PDS. Thanks to its straightforward setup and operation, the PDS is perfect for live events.





“

Barco's FSN desk is a very good 'hands-on' desk. Both the program and the mix-effect banks are uncomplicated and straightforward, which was much needed for the live camera mixing.”

Blue Leach, video director during Peter Gabriel's New Blood Tour

ScreenPRO-II 3G with EOC

Advanced signal processor



Why you'll love the ScreenPRO-II



Versatile presentation tool

The ScreenPRO-II 3G with EOC is a high-resolution multi-layer video display system that combines seamless switching with a variety of creative video effects. The result is a versatile presentation tool for live events. It is capable of producing sophisticated effects including live transitioning backgrounds, transitioning PiP windows, wipes, dissolves and keys. With the ScreenPRO, creating effects for live events is really simple and intuitive.

Full flexibility

The system's flexibility is truly remarkable – using the mixer's two scalars, you can mix or key HD-SDI, DVI and analog source on top of the transitioning background, or display two independent PiPs (or Keys) over a background. In addition, two unscaled high-resolution layers enable you to transition seamlessly between backgrounds, or use a background plus a high-resolution downstream keyer (DSK).

Truly seamless

It's true. Even when multi-format and multi-resolution sources are connected simultaneously, the ScreenPRO-II still creates clean, seamless switches between the different inputs.

Future-proof

As the ScreenPRO-II's architecture supports the addition of optional output modules (e.g. a recordable output), it is a fully expandable and future-proof system.

Integrated workflow

The ScreenPRO-II can easily be combined with the other Barco image processing tools. When combined with the BlendPRO-II, blending capabilities for up to four ScreenPRO-II seamless switchers is enabled. And using the Encore Presentation System, one or more standalone ScreenPRO-II units can be controlled as unique 'destinations' within Encore's dynamic event control environment.

MatrixPRO

High-performance matrix switchers



Working with Barco at Star Wars Celebration VI ensured that our digital stage had the best possible presentation quality.”

Mary Franklin, Sr. Events Lead, Lucasfilm

Why you'll love the MatrixPRO



Flexible switching

Routing multiple video sources to multiple video destinations, the MatrixPRO routers enable image switching and signal distribution without artifacts.

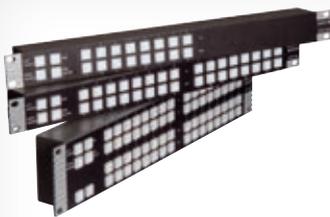
Easy control

The units can be easily controlled from the built-in front panel, RS-232 or Ethernet connections. The different routers all share the same menu structure for reduced complexity.

Full integration

All models are also controllable from Barco's Encore and ScreenPRO-II presentation systems, which results in an integrated workflow.

Three series, six models to choose from



MatrixPRO-II 3G/HD/SD-SDI

- 8 x 8
- 16 x 16
- 32 x 32



MatrixPRO 8x8 DVI



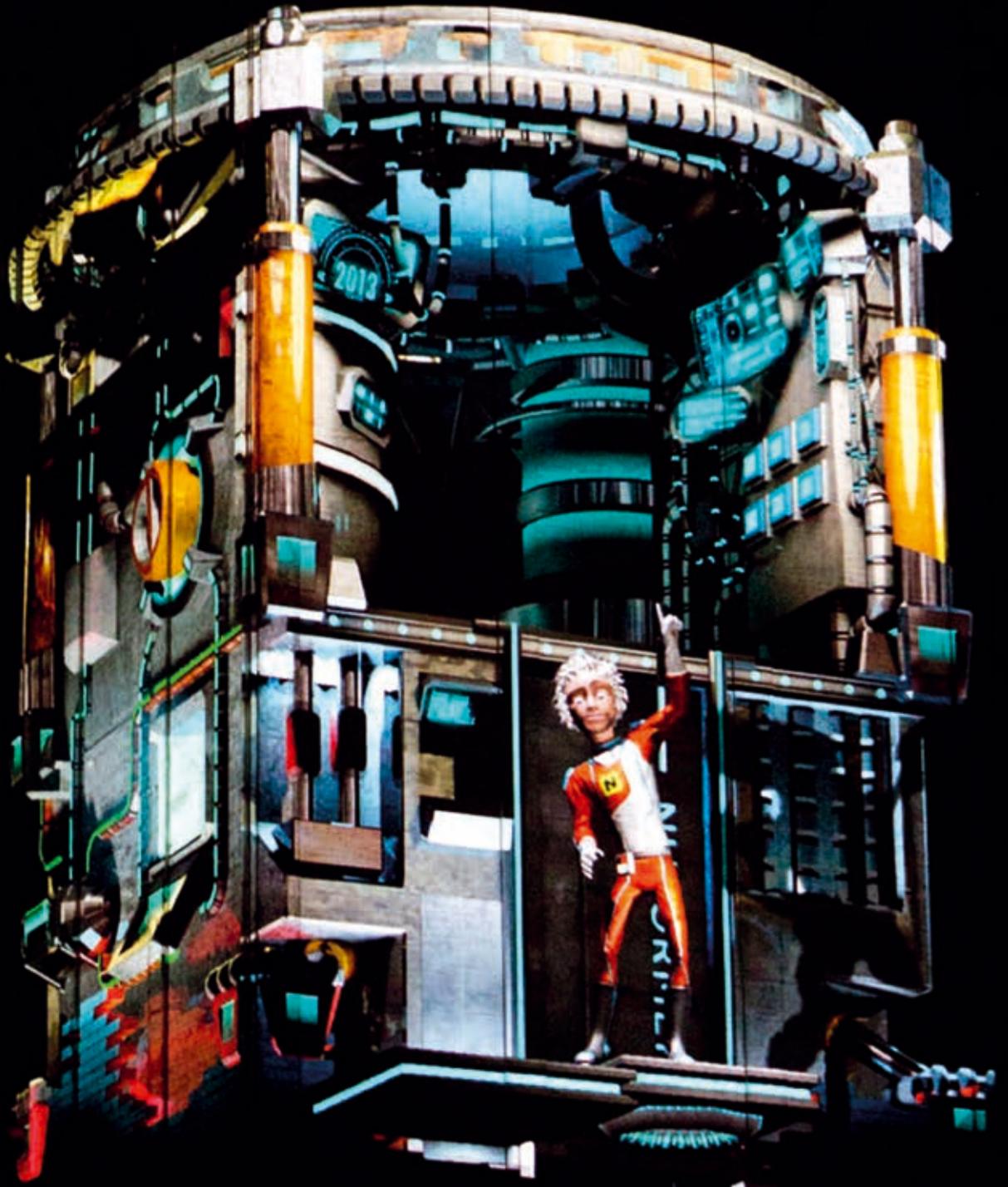
MatrixPRO-II analog series

- 12 x 8 RGBHV
- 16 x 16 RGBHV

Icons explained

Throughout this brochure, you'll often find icons close to the pictures of our products. In case of doubt, please refer to the list below for their explanation:

	the typical light output of a projector or light, measured in lumens		exceptional number of effects possible		product supports 3D
	1,400 x 1,050 resolution		exceptionally energy-efficient and/or ergonomic		product can be controlled remotely
	1,920 x 1,200 resolution		very low noise for its class		3-chip DLP projection technology on board
	liquid cooled engine		designed to withstand the most severe conditions		projector comes with a flexible light output option
	sealed optical engine		downstream key		both inputs and outputs are 3G compatible
	automatic geometric image correction across curved surfaces		modular product design		3G output capable
	scalable system		remote control over IP networks		full HDCP 1.0 support
	preview of your screen output		product can manage any resolution up to WUXGA (1,920 x 1,200)		four DVI-I inputs
	number of layers on the device		product incorporates the Athena™ scaler - Barco's custom-designed image processing technology		Barco proprietary technology for signal distribution over a BNC coax cable of progressive WUXGA 50/59.94/60 Hz between compatible Barco projectors and image processing products



About Barco

Barco, a global technology company, designs and develops visualization solutions for a variety of selected professional markets: control rooms, defense & aerospace, digital cinema, healthcare, media & entertainment and simulation & virtual reality. In these markets, Barco offers user-friendly imaging products that optimize productivity and business efficiency. Its innovative hard- and software solutions integrate all aspects of the imaging chain, from image acquisition and processing to image display and management.

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