

Projection and image processing

Product catalog



Whether at a big event with the eyes of the world watching your stage, a keynote speech at a conference, an interactive museum or in the meeting room, you can find Barco visualization.

You can find our projectors and image processing at so many places because we develop our products with only one person in mind: you. From compact, reliable projectors for a mid-sized business to the most powerful, saturated projection available for large-scale open-air events, we have something for everyone.







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PROJECTION

HDQ-2K40

At 40,000 lumens, Barco's HDQ-2K40 represents the pinnacle of brightness. It is the world's brightest projector for rental and staging and guarantees an unequalled event experience. Paired with its remarkable 2K resolution, the HDQ is an ideal companion for the largest events that need saturated and bright imagery. Additionally, the HDQ has been equipped with Barco's renowned Athena image processing technology and allows for flexible scaling. Its modular design makes the HDQ very easy to install and service. What's more, the HDQ comes with extensive wireless control features enabling easy control. Thanks to its solid, adjustable and stackable frame, the projector can easily be rigged. With the light-on-demand technology, users can fully tune the light output of the HDQ to their needs.



Typical applications

- largest venues
- events
- broadcast
- houses of worship
- façade projection

HDF-W26



HDF-W22



Barco's range of HDF projectors offers powerful projection for large venues and events. Thanks to their high brightness, the HDF are able to display widescreen, high-contrast images of superior quality even in venues with lots of ambient light. Their three-chip DLP technology, Xenon illumination and flexible Athena image processing guarantee rich colors and bright images on every occasion. In addition, the versatile HDF family offers extensive features such as wireless control and a preview mode. With the light-on-demand technology, users can fully tune the light output of the HDF-W26 to their needs.

Typical applications

- large-sized venues
- events
- houses of worship
- façade projection

FLM-R22+

Barco's FLM-R22+ offers a proven track record in a multitude of applications. Whether indoor or outdoor, its light output delivers bright images even in strong ambient light circumstances, while its three-chip DLP technology guarantees a realistic, saturated image quality. The FLM-R22+ also offers a 4:3 aspect ratio. Furthermore, its silent and modular system architecture makes the FLM-R22+ a perfect fit for large-sized venues, events, houses of worship and façade projection.



Typical applications

- large-sized venues
- events
- houses of worship
- façade projection

HDX-W18



HDX-W14



HDX-W12



Barco's high brightness HDX family combines full source flexibility with Athena scaling capabilities. Thanks to their Xenon illumination and their high contrast optical engine, these three-chip DLP projectors reproduce rich colors, presenting audiences with crisp and vivid images on every occasion. What's more, the simple user interface allows you to set up the projector in no time. The HDX also offer easy control through smart phones and tablet computers. With the light-on-demand technology, users can fully tune the light output of the HDX-W18 to their needs.

Typical applications

- mid- to large-sized venues
- events
- houses of worship

The three-chip DLP RLM projector family generates crisp images with more stability, richer contrast and better color saturation. Thanks to its noise-reducing and power-saving design, the RLM consumes less power than comparable projectors. They are also compatible with a wide range of traditional control devices as well as the user-friendly Barco Projector Toolset software that allows you to easily control your projector, anywhere and anytime.

RLM-W12



RLM-W8



RLM-W6



Typical applications

- meeting rooms
- boardrooms
- customer centers
- auditoriums
- mid-sized venues
- auxiliary screens




CLM-HD6









Barco's CLM-HD6 offers the best and most reliable single-chip DLP image quality. With enhanced colors and a native HD resolution, the CLM's 6,000 lumens light output is more than sufficient to provide any small or mid-sized room with bright, crisp projection. The CLM series combines durability and proven technology with a very attractive price.

Typical applications

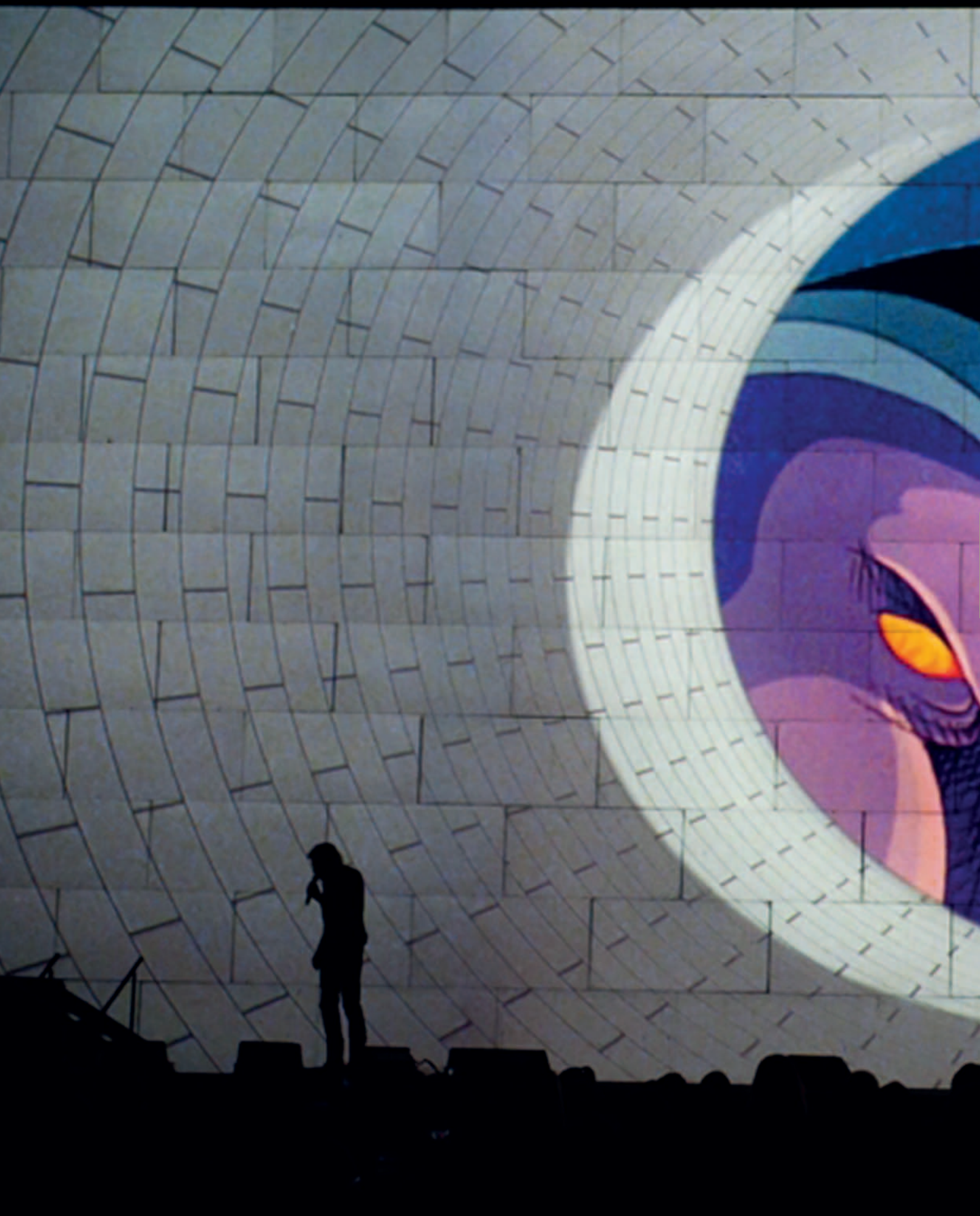
- small- to mid-sized meeting rooms
- lobbies, museums and other single-screen applications

	HDQ-2K40	HDF-W26 ¹	HDF-W22 ¹	FLM-R22+ ¹	HDX-W18 ¹	
						
Display	Projector type	2K 3-chip DLP digital projector	WUXGA 3-chip DLP digital projector	WUXGA 3-chip DLP digital projector	SXGA+ 3-chip DLP digital projector	WUXGA 3-chip DLP digital projector
	Technology	1.2" DMD™ x3	0.96" DMD™ x3	0.96" DMD™ x3	0.95" DMD™ x3	0.96" DMD™ x3
	Resolution (pixels)	2,048 x 1,080	1,920 x 1,200	1,920 x 1,200	1,400 x 1,050	1,920 x 1,200
	Brightness ² center lumens	40,000	26,000	22,000	22,000	18,000
	ANSI lumens	37,000	23,000	20,000	21,000	16,500
	Contrast ratio (full field)	2,000:1 (standard)	1,900:1 (standard) - High contrast mode 2,500: 1	1,900:1 (standard) - High contrast mode 2,500: 1	1,700 (standard) - High contrast mode 2,200:1	1,850:1 (standard) - High contrast mode 2,400: 1
	Brightness uniformity	90%	90%	90%	90%	90%
	Aspect ratio	2048:1080	16:10	16:10	4:3	16:10
Edge blending	horizontal and vertical edge blending	horizontal and vertical edge blending	horizontal and vertical edge blending	horizontal and vertical edge blending	horizontal and vertical edge blending	
Optical & Lamp	Lenses range	1:1 ; 1.45-1.8:1 ; 1.8-2.4:1 ; 2.2-3.0:1 ; 2.8-5.5:1 ; 5.5-8.5:1	0.73:1 ; 1.2:1 ; 1.25 -1.6:1 ; 1.5-2.0:1 ; 2.0-2.8:1 ; 2.8-4.5:1 ; 4.5-7.5:1 ; 7.5-11.5:1	0.73:1 ; 1.2:1 ; 1.25 -1.6:1 ; 1.5-2.0:1 ; 2.0-2.8:1 ; 2.8-4.5:1 ; 4.5-7.5:1 ; 7.5-11.5:1	0.73:1 ; 1.2:1 ; 1.25 -1.6:1 ; 1.5-2.0:1 ; 2.0-2.8:1 ; 2.8-4.5:1 ; 4.5-7.5:1 ; 7.5-11.5:1 ³	0.73:1 ; 1.2:1 ; (zoom) 1.25 -1.6:1 ; 1.5-2.0:1 ; 2.0-2.8:1 ; 2.8-4.5:1 ; 4.5-7.5:1 ; 7.5-11.5:1
	Optical lens shift	Vert: +/-110% Hor +/-30% on zoom lenses memorised	Vert -10%+110%; Hor +/-30% on zoom lenses memorised	Vert -10%+110%; Hor +/-30% on zoom lenses memorised	Vert -10%+110%; Hor +/-50% on zoom lenses	Vert -10%+110%; Hor +/-30% on zoom lenses memorised
	Color correction	P7	P7	P7	P7	P7
	Lamps	7 kW Xenon	3.8 kW Xenon	3.8 kW Xenon	3 kW Xenon	2.5 kW Xenon
	Lamp life (typical/maximum)	500 Hrs	750 Hrs	1,000 Hrs	1,000 Hrs	1,000 Hrs
Features	Sealed DLP core	Standard	Standard	Standard	Standard	Standard
	Optical dowser	Standard	Standard	Standard	Standard	Standard
	Advanced Picture in Picture	Two sources simultaneously	Two sources simultaneously	Two sources simultaneously	Two sources simultaneously	Two sources simultaneously
	Orientation	table/side(portrait) ⁴	table/ceiling/side (portrait) ⁴ /vertical	table/ceiling/side (portrait) ⁴ /vertical	table/ceiling/side (portrait) ⁴ /vertical	table/ceiling/side (portrait) ⁴ /vertical
	Others	Can be controlled by DMX512 console, warping	Can be controlled by DMX512 console, warping	Can be controlled by DMX512 console, warping	Can be controlled by DMX512 console (optional), warping	Can be controlled by DMX512 console, warping
Connectivity	Standard inputs	DVI - I (HDCP including analog RGB YUV) SDI/HDSDI/dual HDSDI/3G/BarcoLink	DVI - I (HDCP including analog RGB YUV) SDI/HDSDI/dual HDSDI/3G/BarcoLink	DVI - I (HDCP including analog RGB YUV) SDI/HDSDI/dual HDSDI/3G/BarcoLink	DVI (HDCP); SDI/HDSDI 1x 5-BNC (RGBHV, RGBS/RGSB) Composite video; S-Video; VGA	DVI - I (HDCP including analog RGB YUV) SDI/HDSDI/dual HDSDI/3G/BarcoLink
	Optional inputs	5-BNC RGBHV (RGBS/RGSB, YUV CS/SOY, Composite video, S-Video); DVI - I (HDCP including analog RGB YUV) + SDI/HDSDI/dual HDSDI/3G ; 3D (HDMI/DisplayPort)	5-BNC RGBHV (RGBS/RGSB, YUV CS/SOY, Composite video, S-Video); DVI - I (HDCP including analog RGB YUV) + SDI/HDSDI/dual HDSDI/3G ; 3D (HDMI/DisplayPort)	5-BNC RGBHV (RGBS/RGSB, YUV CS/SOY, Composite video, S-Video); DVI - I (HDCP including analog RGB YUV) + SDI/HDSDI/dual HDSDI/3G ; 3D (HDMI/DisplayPort)	DVI (HDCP); SDI/ HDSDI 5-BNC RGBHV (RGBS/RGSB, YUV CS/SOY, Composite video, S-Video)	5-BNC RGBHV (RGBS/RGSB, YUV CS/SOY, Composite video, S-Video); DVI - I (HDCP including analog RGB YUV) + SDI/HDSDI/dual HDSDI/3G ; 3D (HDMI/DisplayPort)
	Input resolution	From NTSC up to QXGA (2,048 x 1,536)	From NTSC up to QXGA (2,048 x 1,536)	From NTSC up to QXGA (2,048 x 1,536)	From NTSC up to UXGA (1,600 x 1,200) incl. HD (1,920 x 1,080)	From NTSC up to QXGA (2,048 x 1,536)
	Software tools	Projection Toolset	Projection Toolset	Projection Toolset	Projection Toolset	Projection Toolset
	Control	XLR wired + IR; RS232/422, WiFi (opt), GSM (opt)	XLR wired + IR, RS232, WiFi (opt), GSM (opt)	XLR wired + IR, RS232, WiFi (opt), GSM (opt)	XLR wired + IR; RS232/422	XLR wired + IR ; RS232; WiFi, GSM (opt)
	Network	10/100 Base-T, RJ-45 connection, WiFi (optional)	10/100 Base-T, RJ-45 connection, WiFi (optional)	10/100 Base-T, RJ-45 connection, WiFi (optional)	10/100 Base-T, RJ-45 connection	10/100 Base-T, RJ-45 connection, WiFi (optional)
	Power consumption	8,000 W	4,550 W STBY<10 W	4,000 W STBY<10 W	3,500 W	2,850 W STBY<8 W
General	Operating noise level (typ)	65 dB(A)	60 dB(A)	58 dB(A)	56 dB(A)	53 dB(A)
	Dimensions (W x L x H)	1,025 x 1,320 x 900 mm	707 x 1,025 x 548 mm	707 x 1,025 x 548 mm	707 x 1,025 x 548 mm	475 x 725 x 382 mm
	Weight	210 kg	99 kg	99 kg	99 kg	50 kg
	Certification	Compliant with UL60950-1 and EN60950-1 complies with FCC rules & regulations, part 15 Class A and CE EN55022 Class A, RoHS	Compliant with UL60950-1 and EN60950-1 complies with FCC rules & regulations, part 15 Class A and CE EN55022 Class A, RoHS	Compliant with UL60950-1 and EN60950-1 complies with FCC rules & regulations, part 15 Class A and CE EN55022 Class A, RoHS	Compliant with UL1950 and EN60950 complies with FCC rules & regulations, part 15 Class A and CE EN55022 Class A, RoHS	Compliant with UL60950-1 and EN60950-1 complies with FCC rules & regulations, part 15 Class A and CE EN55022 Class A, RoHS
	Warranty ⁵	2 years	2 years	2 years	2 years	2 years

¹ The specs for these projectors were measured with a 2.0-2.8 lens. ² Brightness can vary up to +/- 10%. ³ Lens throw for SX+ chip. ⁴ Barco supports different projector positions, such as: vertical (side

HDX-W14 ¹	HDX-W12 ¹	RLM-W12	RLM-W8	RLM-W6	CLM-HD6
					
WUXGA 3-chip DLP digital projector	WUXGA 3-chip DLP digital projector	WUXGA 3-chip DLP digital projector	WUXGA 3-chip DLP digital projector	WUXGA 3-chip DLP digital projector	HD 1-chip DLP digital projector
0.96" DMD™ x3	0.96" DMD™ x3	0.96" DMD™ x3	0.67" DMD™ x3	0.67" DMD™ x3	0.65" DMD™ x1 RGBYW color wheel
1,920 x 1,200	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200	1,920 x 1,080
14,000	12,000	11,500	8,000	6,300	6,000
13,000	11,000	10,500	7,300	6,000	5,700
1,850 - 2,400:1 (full field)	1,850 - 2,400:1 (full field)	1,600:1 (2,400:1 CE)	2,200 - 3,000:1 (full field)	2,200 - 3,000:1 (full field)	>1,300:1 (full field)
90%	90%	90%	95%	95%	95%
16:10	16:10	16:10	16:10	16:10	16:9
horizontal and vertical edge blending	horizontal and vertical edge blending	horizontal and vertical edge blending	horizontal and vertical edge blending	N/A	N/A
0.73:1; 1.2:1; 1.25 -1.6:1; 1.5-2.0:1; 2.0-2.8:1; 2.8-4.5:1; 4.5-7.5:1; 7.5-11.5:1	0.73:1; 1.2:1; 1.25 -1.6:1; 1.5-2.0:1; 2.0-2.8:1; 2.8-4.5:1; 4.5-7.5:1; 7.5-11.5:1	0.73:1; 1.2:1; (zoom) 1.25 -1.6:1; 1.5-2.0:1; 2.0-2.8:1; 2.8-4.5:1; 4.5-7.5:1; 7.5-11.5:1	0.77:1; 1.16:1; 1.45-1.74:1; 1.74-2.17:1; 2.17-2.9:1; 2.9-4.34:1; 4.34-6.76	0.77:1; 1.16:1; 1.45-1.74:1; 1.74-2.17:1; 2.17-2.9:1; 2.9-4.34:1; 4.34-6.76	CWH 0.81:1; 1.27-1.52:1; 1.52-2.03:1; 2.03-3.85:1; 3.85-7.32:1
Vert -10% +110%; Hor +/-30% on zoom lenses memorised	Vert -10% +110%; Hor +/-30% on zoom lenses memorised	Vert 0% +110%; Hor +/-30% on zoom lenses	Vert 0% +100%; Hor +/-30% on zoom lenses	Vert 0% +100%; Hor +/-30% on zoom lenses	Vert -20% +120%; Hor +/-20% on zoom lenses
P7	P7	P7	P7	P7	P7
2.5 kW Xenon	2.5 kW Xenon	2 x 400W	2 x 330W	2 x 280W	2 x 330W
1,750 Hrs	2,500 Hrs	1,000 Hrs/1,200 Hrs	1,500 Hrs / 2,000 Hrs	1,500 Hrs / 2,000 Hrs	1,500 Hrs / 2,000 Hrs
Standard	Standard	Standard	Standard	Standard	Standard
Standard	Standard	Standard	Standard	N/A	N/A
Two sources simultaneously	Two sources simultaneously	Two sources simultaneously	Two sources simultaneously	Two sources simultaneously	Two sources simultaneously
table/ceiling/side (portrait) ⁴ /vertical	table/ceiling/side (portrait) ⁴ /vertical	table/ceiling	table/ceiling	table/ceiling/side (portrait) ⁴ /vertical	table/ceiling/side (portrait) ⁴ /vertical
Can be controlled by DMX512 console, warping (presets & custom)	Can be controlled by DMX512 console, warping optional	Can be controlled by DMX512 console (optional) integrated webbrowser, warping	Can be controlled by DMX512 console (optional), integrated webbrowser, warping (presets & custom)	Can be controlled by DMX512 console (optional), integrated webbrowser, H + V keystone, 3G HDS/SDI (optional box)	Auto lamp select, SDI/HDS/SDI/3G optional box
DVI-I (HDCP, including analog RGB YUV), SDI/HDS/SDI/dual HDS/SDI/3G/BarcoLink	DVI-I (HDCP, including analog RGB YUV), SDI/HDS/SDI/dual HDS/SDI/3G/BarcoLink	2x HDMI (HDCP 1.3); 5-BNC (RGBHV, RGBS/RGBSB; YUV); VGA (RGBHV, RGBS/RGBSB; YUV); cinch (RGBS; YUV) Composite video; S-Video; HSDI/3G HDS/SDI/SDI 3D DUAL LINK DVI; 3D sync in/out BNC, SDI/HDS/SDI/dual HDS/SDI/3G/BarcoLink	2x HDMI (HDCP 1.3); 1x 5-BNC (RGBHV, RGBS/RGBSB/YUV); Composite video; S-Video; VGA (RGBHV, RGBS/RGBSB; YUV); 3-cinch (RGBS, YUV); SDI/HDS/SDI/Dual HDS/SDI/3G/BarcoLink	2x HDMI (HDCP 1.3); 1x 5-BNC (RGBHV, RGBS/RGBSB/YUV); Composite video; S-Video; VGA (RGBHV, RGBS/RGBSB; YUV); 3-cinch (RGBS, YUV)	2x HDMI (HDCP 1.3) 1x 5-BNC (RGBHV, RGBS/RGBSB YUV); 3-cinch (RGBS, YUV); Composite video; S-Video; VGA (RGBHV, RGBS/RGBSB; YUV)
5-BNC RGBHV (RGBS/RGBS, YUV CS/SOY, Composite video, S-Video); DVI-I (HDCP, including analog RGB YUV); SDI/HDS/SDI/dual HDS/SDI/3G; 3D (HDMI/DisplayPort)	5-BNC RGBHV (RGBS/RGBS, YUV CS/SOY, Composite video, S-Video); DVI-I (HDCP, including analog RGB YUV); SDI/HDS/SDI/dual HDS/SDI/3G; 3D (HDMI/DisplayPort)	N/A	N/A	N/A	N/A
From NTSC up to UXGA (2,048 x 1,536)	From NTSC up to UXGA (2,048 x 1,536)	From NTSC up to UXGA (1,600 x 1,200) incl. HDTV (1,920 X 1,200)	From NTSC up to WUXGA (1,920 x 1,200) incl. HDTV (1,920 x 1,080)	From NTSC up to UXGA (1,600 x 1,200) incl. WUXGA (1,920 x 1,200)	From NTSC up to UXGA (1,600 x 1,200) incl. HDTV (1,920 x 1,080)
Projection Toolset	Projection Toolset	Projection Toolset	Projection Toolset	Projection Toolset	Projection Toolset
XLR wired + IR; RS232; WiFi, GSM (opt)	XLR wired + IR; RS232; WiFi, GSM (opt)	mini-jack + IR, RS232, 12v trigger	IR, mini-jack, RS232, 12v out	IR, mini-jack, RS232, 12v out	IR, RS232, 12v out
10/100 Base-T, RJ-45 connection, WiFi (optional)	10/100 Base-T, RJ-45 connection, WiFi (optional)	10/100 Base-T, RJ-45 connection	10/100 Base-T, RJ-45 connection	10/100 Base-T, RJ-45 connection	10/100 Base-T, RJ-45 connection
2,600 W STBY<8 W	2,300 W STBY<8 W	1,000 W STBY<2 W	850 W STBY<2 W	700 W STBY<2 W	905 W STBY<2 W
50 dB(A)	49 dB(A)	43 dB(A)	39 dB(A)	37 dB(A)	40 dB(A)
475 x 725 x 382 mm	475 x 725 x 382 mm	517 x 670 x 277 mm	517 x 670 x 247 mm	517 x 670 x 247 mm	436 x 550 x 236 mm
50 kg	50 kg	32 kg	26 kg	26 kg	24 kg
Compliant with UL60950-1 and EN60950-1 complies with FCC rules & regulations, part 15 Class A and CE EN55022 Class A, RoHS	Compliant with UL60950-1 and EN60950-1 complies with FCC rules & regulations, part 15 Class A and CE EN55022 Class A, RoHS	Complies with FCC rules & regulations, part 15 Class A and CE EN55022 Class A, CE, TUV, RoHS, WEE	Complies with FCC rules & regulations, part 15 Class A and CE EN55022 Class A, CE, TUV, RoHS, WEE	Complies with FCC rules & regulations, part 15 Class A and CE EN55022 Class A, CE, TUV, RoHS, WEE	Complies with FCC rules & regulations, part 15 Class A and CE EN55022 Class A, RoHS
2 years	2 years	2 years standard, 1 year extendable	2 years standard, 1 year extendable	2 years standard, 1 year extendable	2 years standard, 1 year extendable

position - portrait mode) and horizontal (most common, either ceiling or table mount). ⁵ Warranty includes labor, parts and engine.





IMAGE

PROCESSING

Encore-3G presentation system

Barco's basic Encore configuration supports six independent picture-in-picture (PiP) or key layers, or three transitioning PiP images. It fully supports seamless transition effects, Z-order control, window borders, drop shadows and a variety of keying effects. Each input board on the Encore provides two independent scaler channels with universal inputs that handle both analog and digital video sources. The unit features 1:1 pixel sampling, motion adaptive de-interlacing for both standard and high definition sources, 3:2 and 2:2 pull down detection, low video delay, aspect ratio correction, real-time window manipulation. The Encore is an excellent solution for large blended widescreen applications.



Encore Graphical Control

Barco's Encore Graphical Control (GC) is a software program designed to control the Encore and ScreenPRO-II video processors as well as signal routers via the Encore Control Unit (ECU) — without the need for external control panels. The Encore GC simplifies your system configuration and provides a cost-effective total solution for your installation requirements.

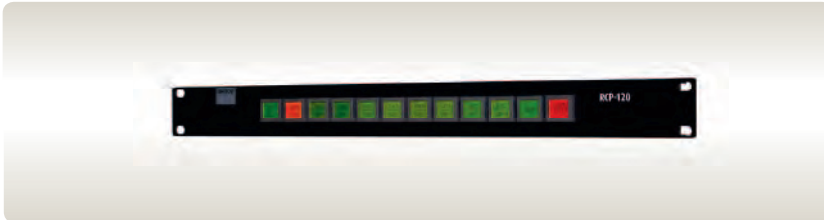


FSN series



Barco's FSN series is a 3G ready switcher that combines multi-format presentation switching with the ease of use of a production switcher. The FSN integrates input conversion, multi-viewing, digital video effects and output conversion into a single 6 RU chassis. The FSN series seamlessly integrates multiple video and computer graphics formats, and offers the lowest processing delay for live camera feeds as well. The FSN allows control of two full mixer-effect (M/E) busses from its control panel as well as the program mixer. Additional auxiliary output cards can be installed for up to 16 AUX outputs, 8 additional mixers, or multi-format outputs and blending.

RCP-120



Barco's RCP-120, enables remote control of the FSN system. It allows you to remotely select and transition sources for any of the FSN's auxiliary outputs and mixers without interfering with your workflow, and features preset recall.

FSN-1004



The FSN-1004 is a pre-configured multi-format switcher that simplifies system interconnections, setup and control while providing advanced features for presentations with up to four independent screens. This fully integrated and multi-screen presentation system is controlled from an intuitive user interface program running on your PC or Mac. The FSN-1004 comes as a fixed configuration that includes 10 universal inputs, 4 universal outputs and an integrated multiviewer. It is field upgradeable to the full FSN system.

ScreenPRO-II HD, ScreenPRO-II 3G

Barco's ScreenPRO-II HD uses four image layers to produce sophisticated effects, including live transitioning backgrounds, transitioning PiP windows, wipes, dissolves and keys. An internal 8x2 analog video router provides universal analog sources to each scaler channel. Barco's ScreenPRO-II features a low video processing delay of three input fields maximum. The ScreenPRO-II 3G allows the DVI background channels to be used as inputs to the scaler channels, adds SD/HD/3G SDI and interlaced output for recording, and can have storage for 100 logo stills.



DCS-100

Both DCS solutions are dual-channel scaling switchers designed to provide true seamless switching between different input sources and formats, while maintaining superb image quality at an affordable price. They have been designed for straightforward and simple operations, which makes them ideal seamless switchers for live events, the corporate world, houses of worship, education and more. Building on the quality and economy of the DCS-100, the DCS-200 adds an independent and highly flexible preview output to the system.



DCS-200



ImagePRO-3G



The ImagePRO-3G is a high-performance video scaler, scan converter, switcher, frame synchroniser and transcoder all rolled into one. ImagePRO is the ideal solution for converting RGB, HDTV, component, s-video, composite (NTSC, PAL and SECAM) and SD/HD/3G SDI video into a user-selectable video format. It includes four video outputs and three universal inputs, as well as a dedicated genlock BNC connector with loop-through.

ImagePRO-II, ImagePRO-II with dual output



ImagePRO-II is an advanced high performance all-in-one video scaler, scan converter, switcher and transcoder converting any input signal format to any output format. ImagePRO-II supports universal analog, DVI single and dual link, HDMI, DisplayPort and SD/HD/3G SDI signal formats. Loop-through outputs are provided for the analog, DVI, SDI input and genlock signals. With features like HDCP and EDID management, USB backup and restore, multiple video effects and a web page user interface, ImagePRO-II is the most advanced and flexible signal processor in the rental and staging industry. Standard models can be upgraded with an optional dual output card. It adds a second Athena scaler and allows one input to be scaled to two separate resolutions, doubling the output capability.

Barco's MatrixPRO-II 3G/HD/SD-SDI series offers three models of high speed serial routers: 8x8, 16x16 and 32x32. All three models are compact, have an extremely slim profile, are cost-effective, and provide an excellent solution where budget and space are at premium. All routers support SDI formats from SD to HD and 3G. These routers are ideal for use with the Encore & ScreenPRO-II presentation switchers.

MatrixPRO-II 3G/HD/SD-SDI routers



Featuring a high bandwidth and flat frequency, Barco's MatrixPRO-II series allows for image switching and signal distribution without artifacts. All models come with a genlock input, ensuring that all switching is synchronized with the house sync. A user-selectable RGB delay mode allows downstream equipment to lock to a new signal before anything is visible on the screen. Up to 32 presets can be stored for easy system reconfiguration. These routers are ideal for use with the Encore & ScreenPRO-II presentation switchers.

MatrixPRO-II analog routers



The MatrixPRO 8x8 DVI router switches any of the eight DVI inputs to any or all of the outputs. Each channel can be programmed with unique EDID information based on the system requirements. This information is available to external sources even when the unit is turned off. Each input is re-clocking as it passes through the router maintaining the DVI signal strength, and each output channel can also display an internally generated test pattern.

MatrixPRO 8x8 DVI router









PDS series



The PDS series of digital switchers has been designed to meet today's standards for high-quality, easy-to-use and fast seamless switchers offering more digital inputs at an affordable price. The PDS comes in three models: PDS-701, PDS-901 and PDS-902. The PDS-901 and PDS-902 models feature four DVI-I inputs with full HDCP 1.0 support, while the PDS-701 features two DVI-I inputs. All models include one 3G/HD/SD/ SDI and four universal analog inputs. All analog and DVI inputs support the EDID 1.3 specification. The PDS is suited for live events, boardrooms, hotel ballrooms, houses of worship, training and education facilities and fixed installations.


		SCAN CONVERTERS			
		ImagePRO-3G	ImagePRO-II	DCS-100	PDS-701
					
Inputs	TYPES				
	Universal analog	3	2	8	4
	SDI	1	1 or 2 with Dual Output	1	1
	DVI	1	1 (Dual Link)	2	2
	HDMI	-	1	-	-
	Display Port	-	1	-	-
	3G HDSDI	●	-	-	-
RESOLUTIONS					
NTSC/PAL	●	●	●	●	
1920x1200p, 2048x1080p	-	-	-	●	
2560x1600p	-	●	-	-	
SDI resolutions	3G/HD/SD	3G/HD/SD	HD/SD	3G/HD/SD	
Outputs	TYPES				
	Analog	1	1	1	1
	SDI	1	1 or 2 with Dual Output	-	-
	DVI	1	1	-	1
	HDMI	●	1	-	-
	Display Port	●	1	-	-
	3G HDSDI	-	-	1	-
	RESOLUTIONS				
	NTSC/PAL	●	●	●	●
	VGA to UXGA	-	-	●	-
	1920x1200p, 2048x1080p	-	-	-	●
2560x1600p	-	●	-	-	
SDI resolutions	3G/HD/SD	3G/HD/SD	-	3G/HD/SD	
Program	1	1 or 2 with Dual Output	1	●	
Preview	-	-	-	-	
Independent preview resolution	-	-	-	-	
Additional scaled output	-	●	-	-	
Control options	Front panel	●	●	●	●
	Remote control desk	-	-	-	●
	PC based control software	-	●	built-in web-page GUI	●
	Ethernet or RS232	●	●	●	●
Features	Still store channels	1	1	3	1
	Still store storage capacity	1	1	3	3
	HDCP compatible	-	●	●	●
	Number of layers	1	1	1 + key	1
	Seamless live transitions	through black	through black	●	●
	Widescreen support	-	-	-	-
	Genlock	●	with loophrough	-	-
Video processing	Athena scaling	●	●	-	-
	1:1 sampling	●	●	●	●
	Motion adaptive de-interlacing	●	●	●	●
	Video effects	-	●	-	-
	Video delay (genlocked)	1 frame	1 frame	1 frame	1.5 frame
General	Dimensions (DxWxH)	355 x 432 x 38 mm (1RU) 14 x 17 x 1.5 inch	434 x 432 x 38 mm (1RU) 17.1 x 17 x 1.5 inch	355 x 432 x 89 mm (2RU) 14 x 17 x 3.5 inch	362 x 432 x 44 mm (1RU) 14.25 x 17 x 1.5 inch
	Weight	4.1 kg/9.0 lbs	7.14 kg/15.75 lbs	3.6 kg/8.0 lbs	5.67 kg/12.5 lbs
	Certification	CSA*, CE, FCC	CSA*, CE, FCC	CSA*, CE, FCC	CSA*, CE, FCC
	Warranty	3 years	3 years	3 years	3 years

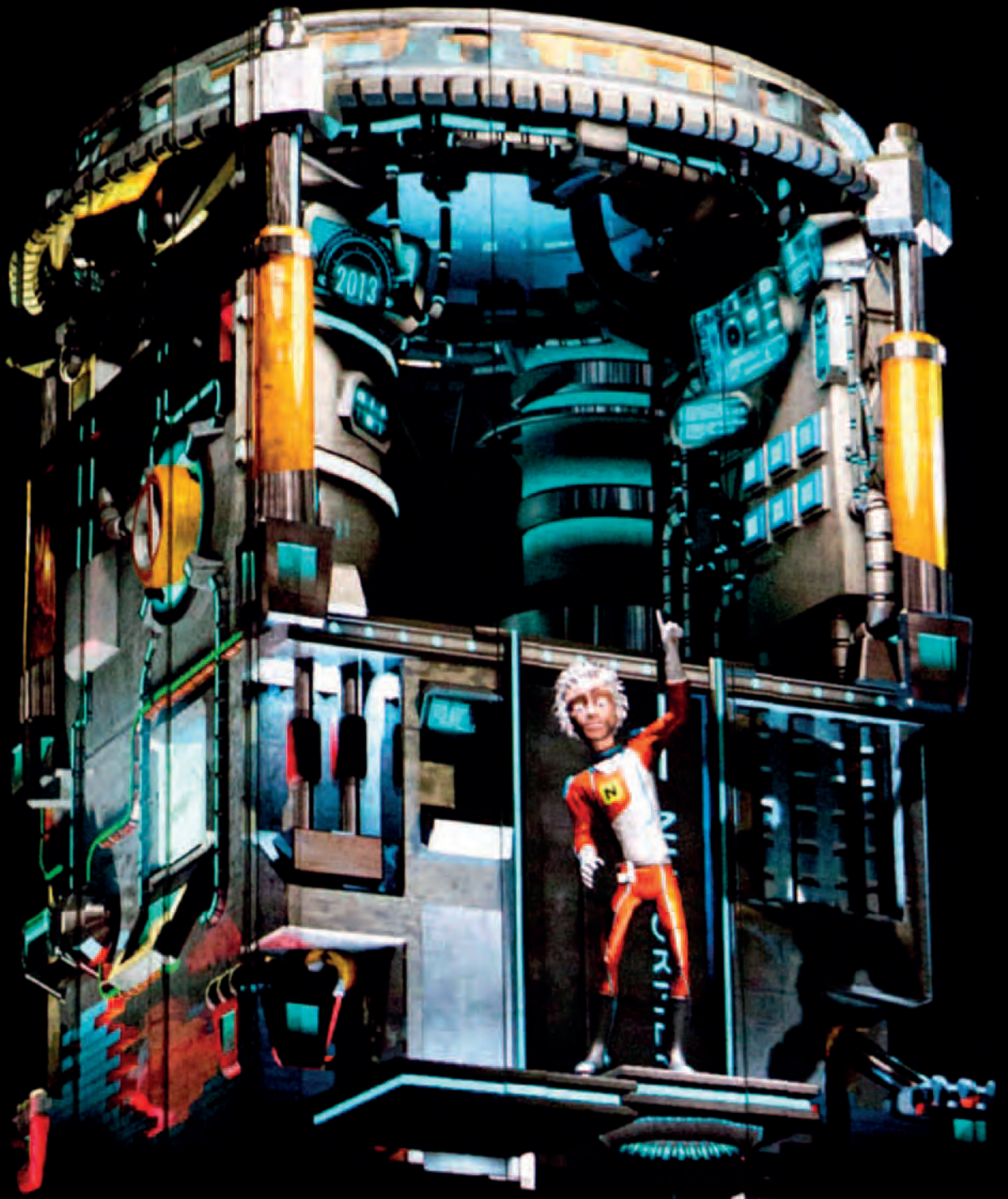
* UL comparable testing

PRESENTATION SWITCHERS					VIDEO SWITCHERS
DCS-200	PDS-901	PDS-902	ScreenPRO-II HD with EOC	Encore-3G	FSN
					
8	4	4	8	up to 6 or 12 (with stacking)	up to 10
1	1	1	2	up to 6 or 12 (with stacking)	up to 40
2	4	4	2	up to 6 or 12 (with stacking)	up to 10
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
●	●	●	●	●	●
-	●	●	-	-	-
-	-	-	-	-	-
HD/SD	3G/HD/SD	3G/HD/SD	HD/SD	HD/SD	3G/HD/SD
2	2	2	3	3 per VP	up to 6
-	-	-	1	1 per VP	up to 40
-	1	1	2	●	●
-	-	-	-	-	-
-	-	-	-	-	-
2	-	-	2	3 per VP	up to 6
●	●	●	●	●	●
●	-	-	●	●	●
-	●	●	-	-	-
-	-	-	-	-	-
-	3G/HD/SD	3G/HD/SD	3G/HD/SD	3G/HD/SD	3G/HD/SD
1	●	●	1	1	up to 3
1	-	●	1	1	up to 3
●	-	●	●	-	-
-	-	-	●	-	up to 6
●	●	●	●	-	-
-	●	●	SP-II controller, Encore SC & LC	Encore SC & LC	FSN-150
built-in web-page GUI	●	●	EncoreGC GUI	EncoreGC GUI	-
●	●	●	●	●	-
3	1	1	3	3	3
3	3	3	100	100	100
●	●	●	-	-	-
1 + key	1	1	2+BKG+DSK	6* +BKG+DSK	up to 6
●	●	●	●	●	●
-	-	-	with BlendPRO-II	●	●
-	-	-	●	●	●
-	-	-	●	●	●
●	●	●	●	●	●
●	●	●	●	●	●
-	-	-	-	-	-
1 frame	1.5 frame	1.5 frame	1 frame	1 frame	3 - line
355 x 432 x 89 mm (2RU) 14 x 17 x 3.5 inch	362 x 432 x 44 mm (1RU) 14.25 x 17 x 1.5 inch	362 x 432 x 44 mm (1RU) 14.25 x 17 x 1.5 inch	381 x 432 x 127 mm (3RU) 15 x 17 x 5 inch	381 x 432 x 127 mm (3RU) 15 x 17 x 5 inch	381 x 432 x 267 mm (6RU) 15 x 17 x 10.5 inch
3.6 kg/8.0 lbs	5.67 kg/12.5 lbs	5.67 kg/12.5 lbs	11.8 kg/26 lbs	15 kg/33 lbs	29.9 kg/60 lbs
CSA*, CE, FCC	CSA*, CE, FCC	CSA*, CE, FCC	CSA*, CE, FCC	CSA*, CE, FCC	CSA*, CE, FCC
3 years	3 years	3 years	3 years	3 years	3 years

Icons explained

Throughout this catalog, you'll often find icons next 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
	1920x1080 resolution		exceptionally energy-efficient and/or ergonomic		lens can be reused or interchanged between projector(s) (families)
	1920x1200 resolution		very low noise for its class		3-chip DLP projection technology on board
	DLP 1-chip projection technology on board		designed to withstand the most severe conditions		compact product
	automatic geometric image correction across curved surfaces		downstream key		both inputs and outputs are 3G compatible
	scalable system		product is compatible with HDMI signals		3G output capable
	preview of your screen output		web server for remote access		additional scaled output that doubles the output capability of the product
	product is compatible with DisplayPort signals		product can manage any resolution up to WUXGA (1920x1200)		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
	number of layers on the device		product incorporates the Athena scaler - Barco's custom-designed image processing technology		



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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Technical specifications are subject to change without prior notice.
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