

Product catalog

Dear customer, partner, consultant,

A performer surrounded by an impressive video spectacle. A bright and clever advertisement on a digital billboard. A branding campaign supported by enticing visuals. The victory roar of an athlete scoring a decisive goal, magnified a hundred times. Eye-catching visualization makes an experience truly immersive and memorable for your audience.

Whether you are a stage designer, content creator, brand manager, media partner or a rental company, attractive visualization is business-critical for you. Building on decades of experience, Barco is your trusted partner to maximize the impact of your messages and increase your ROI.

With your success in mind, Barco developed a full portfolio of high-class visualization technology – from content delivery over image display to professional services – tailored to your needs. Our content management hardware and software enables you to flexibly distribute, schedule and manage your content – every time, everywhere. LiveDots' LCD and LED displays range from the most cost-effective display for 24/7 use, to top-end creative solutions.

Integrating visualization technology requires specialist know-how and expertise and that's exactly what we can offer you – before, during and after the sale. From advertisement kiosks in shopping malls to outdoor event spectaculars or challenging custom-designed LED projects, we provide the right visualization technology to match your needs.

Barco LiveDots supports high-profile brands in over 50 world capitals and our equipment sets the scene for more than 2,500 events every year. We connect the dots for you through millions of pixels, and help make your vision come to life.



Paul Matthijs,
CEO of Barco LiveDots

Index

Introduction	5
Features that make a difference	6
X series LED displays	
NX4s / NX6	8
X8	9
C series LED displays	
C5 / C16 / C7 / C8	10
C platform mechanics	11
T series LED displays	
T8 / T10	14
TF16 / TF20	17
V series LED displays	
V4 / V6	18
V10 / V10v	19
V9m / V14m	20
FLX series creative LED	
FLX-60 / FLX-L	22
Custom-designed LED projects	
Tait: London Olympics 2012	24
Renson: IRISS	26
IP series LED image processors	
NP100 / DX-700 / DX-100 / DMP-100	
DV-100	28
DMS series software	
NM100 / Director Toolset / RMS	
V series Toolset	29
LCD series advertisement kiosks	
LCD55ix / LCD55ox / LCD72ix	
LCD72ox	32
LCD55ipw	33
CMS series hardware	
DISplayer ³ eco / DISplayer ³ eco mini	34
CMS series software	
X20 digital signage software	35
Customer support services	36
Overview LED display systems	38
Overview LCD series	42
Content Management hardware	43
Icons explained	44

liveDots
Bettina und Bernd



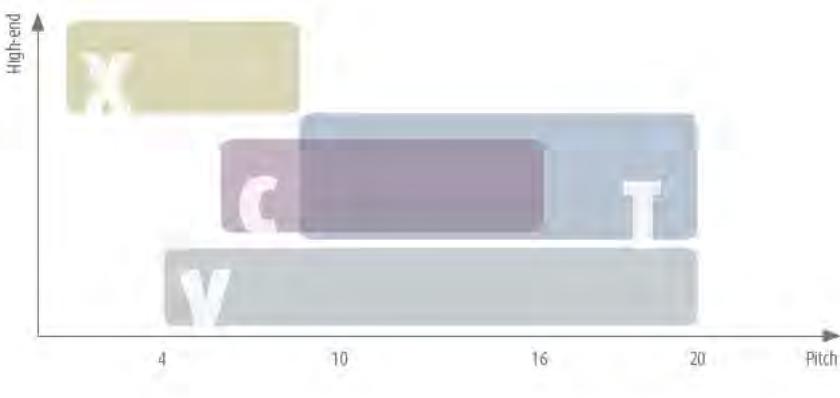
Bush Library, Dallas, US, C5

OUR PRODUCT PLATFORMS

With a full portfolio of state-of-the-art LED and LCD display technology, Barco LiveDots can perfectly meet any customer need, both for fixed installation and rental applications.

Four LED series

Barco LiveDots offers four standard platforms that cover the entire spectrum of LED visualization, and a range of specialized niche products and image processing. Within each platform, key technologies, peripherals and processors are shared (except for the V series), which enables cross-rental options and ensures quick servicing. Each platform uses the same basic mechanical form factor, digitizers, rigging and cabling, making your job considerably easier.



- Our **X series** offers best-in-class, pioneering visualization when only the most pristine image quality will do.
- Our **C series** comprises flexible, light-weight products that come with the best value at the most attractive prices.
- Our **T series** - dedicated to 24/7 outdoor operations and fixed installations - brings proven, reliable LED technology to markets where total cost of ownership is key to customer satisfaction.
- Our **V series** offers cost-effective LED displays without compromising on performance and reliability.

LCD-based advertisement kiosks

Barco's range of LCD-based advertisement kiosks consists of multiple displays: LCD721x (indoor 72 inch), LCD72ox (outdoor 72 inch), LCD55ix (indoor 55 inch), LCD55ox (outdoor 55 inch) and LCD55ipw (55 inch). Next to being fully configurable on a system level, their look and feel is also customizable. Thanks to a smart concept of adjustable skins – based on a standard core – the kiosks can easily be customized to reflect the customer's brand image. What's more, they also come with a full fleet of options that allow for audience interaction and they are fully compatible with social media and mobile devices.

FEATURES THAT MAKE A DIFFERENCE



Typhoon testing

As outdoor LED displays are exposed to the most severe weather conditions, it's important that their image quality stays constant over time. At Barco we believe that IP rating is just one of the building blocks in determining whether a LED display is suitable for outdoor use or not. In the IP test, a product is only tested during a limited time slot but this does not really represent the impact of severe weather conditions over several years. That's why we developed our own test program – 'typhoon testing'. In this test not only the impact of water and dust (the basis for IP rating) is tested but also the impact of UV rays, varying temperatures and vibrations is taken into account.

The typhoon testing program consists of three tests



The LED displays with the typhoon 24/7 label were put through severe tests that simulate diverse weather conditions and are perfectly suited for 24/7 outdoor use.



In the typhoon rental test, the duration of the different tests is reduced as the displays can be used outdoors but not on a 24/7 basis. This test also checks the impact of regular shipping and transportation.



For marine related applications, not only the 24/7 outdoor test is performed but the effect of salt on the LED display is evaluated as well.

Benefits:

- Stable performance over time, in the most severe weather conditions
- Quality label that guarantees a reliable LED display
- Lower service costs

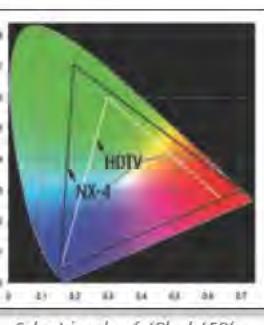
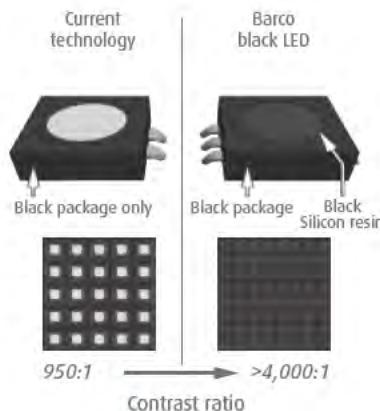


Black LED

Barco has developed a true black LED – not just a black package, but a radically new design of LED, pitch black from the interior resin to the exterior shaders. The displays geared with these LEDs not only appear black but they generate the deepest blacks and brightest luminance levels available thanks to the use of a black silicon resin instead of a standard white epoxy one.

Benefits:

- Offers the deepest black levels available on the market
- Ensures ultimate image quality
- Displays accurate brand colors at all times



Color triangle of 'Black LED'



3D

Barco LiveDots' high-end X series LED displays come with optional active 3D capabilities. This allows you to switch from 2D to 3D mode instantly and it can support a resolution up to full HD.

Benefits:

- Fully flicker-free, high-quality 3D images
- No visual polarizer needed
- Loss in light output is reduced to zero



Innovative mechanics

The Barco LED displays are geared with innovative mechanics for easy installation. All structural components of the C series tiles for instance are made of metal. Plastics are only used for non-structural components. A suspended screen is tested with 5x overload while a floor-standing screen is tested with 3x overload at an inclination of 3°.

Benefits:

- Easy to setup as the fully integrated locking mechanism allows for the assembly of LED screens without tools
- Lower total cost of ownership as the installation time is reduced
- Designed for reliability and durability
- LED tiles and peripherals are compliant with TÜV certificates for worry free installation





Remote monitoring

To maximize the uptime of your LED displays we've developed the Remote Management Software (RMS). With the remote monitoring software, you are kept up to date on the status of your LED display at all times and you're proactively notified in case of malfunction. This software autonomously performs display diagnostics and sends detailed reports in case of failures - which can often be solved remotely.

Benefits:

- Ultimate peace of mind thanks to higher uptime
- Pro-active detection of potential failure
- Cuts operational costs as your display is up and running again in no time



Integrated calibration

As LED displays consist of multiple LED boards, it's not always easy to generate a consistent image across the entire surface. The LED displays that are marked with a cross-rental icon in this catalog are perfectly suited for cross-rental applications thanks to the integrated Barco proprietary calibration technology.

Benefits:

- Full flexibility to endlessly combine LED tiles from different batches
- Consistent brightness and image quality is guaranteed at all times
- Ability to optimize your assets via a worldwide pool of displays to choose from



Low power consumption

For our LED displays we carefully select low-energy electronic components that work together with the highest level of energy efficiency. Not only the PFC-equipped power supplies reduce the power consumption but the RMS software comes with energy-saving features as well. By smartly monitoring and controlling the brightness levels, the RMS adjusts a display's brightness to the light conditions. Thanks to the rugged light sensor, the system takes the time of day, date and display orientation into account to determine the most suited brightness setting.

Benefits:

- Lower energy and service costs
- Increased lifetime of your LED displays
- Ensuring sustainable LED technology compliant with TÜV certificates for worry-free installation



Low latency

As opposed to standard settings for video processing, the modular architecture of Barco's DX image processors allows operators to tweak video processing settings manually when necessary. By optimizing time-consuming features like deinterlacing, scaling, pixel mapping and genlock, latency can significantly be reduced. This is especially important for presentations or events where video screens should immediately show the action on stage.

Benefits:

- Perfect synchronization between live events and the video/audio shown on video screens
- Flexibility to manually tweak or overrule processing settings to optimize the performance
- Significant advantage for events where lip synchronization is of critical importance

X SERIES LED DISPLAYS

The NX series of indoor LED displays offers the deepest black levels available on the market, and pairs this with a phenomenal contrast ratio of over 4,000:1. With a light output of over 2,000 nits and native 16-bit color processing, it is sure to deliver the pinnacle of image quality in any indoor setting. In addition, the NX series guarantees easy, quick installation and are lightweight by design. The NX4s boasts even wider viewing angles, and a matte surface, for an exceptional picture quality in all circumstances.

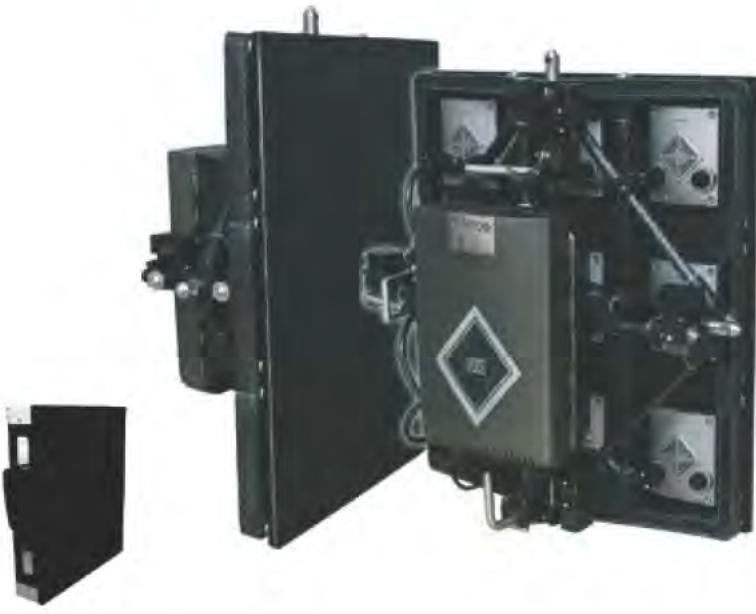
3D option on the X platform

Full, active 3D capability is available as an option on the X platform. Due to its full support for 60Hz left/right content at a 120Hz 3D frame rate, this hardware add-on causes no loss in resolution. It reduces the light output loss traditionally associated with 3D to zero. Overall, this option leads to an outstanding 3D effect that you can use to immerse your audiences in amazing content.

NX4s



NX6



Fixed install version

Typical applications:

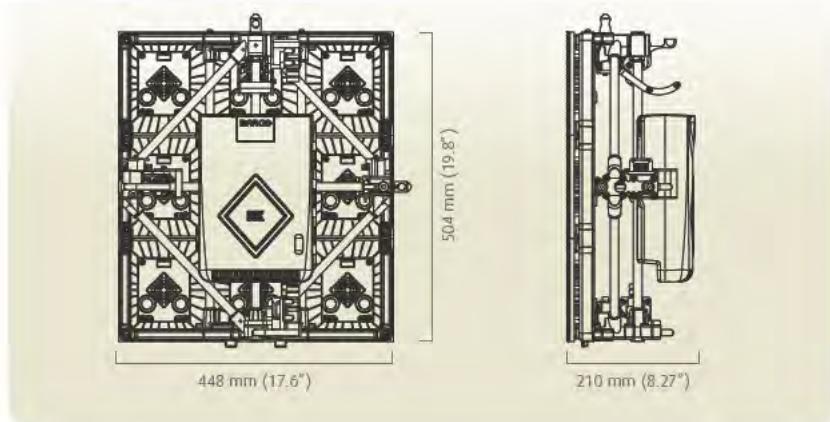
indoor use

- rental, trade shows and events
- retail and advertising
- digital signage
- 3D immersive environments
- broadcast studios

Compatible LED image processors:

- DX-100
- DX-700

Compatible application software:



X8



Barco's X8 is a true high-resolution outdoor LED display for the rental and staging industry. Thanks to its modular design and low weight, the X8 is simple to install and service. It features auto-calibration and auto-redundancy to guarantee worry-free operation. The X8 is fully cross-rentable allowing you to mix and match tiles of different batches and various run-time ages to obtain a seamless display with a perfect image every single time. What's more, the X8 successfully withstood the Typhoon Marine test, making it ideally suitable for cruise ship applications.

Typical applications:

- outdoor use
- rental and staging
- cruise ships
- high-end retail and advertising

Compatible LED image processors:

- DX-100
- DX-700

Compatible application software:



Comcast, Philadelphia, US: NX4

C SERIES LED DISPLAYS

C5

Barco's C series comprise an indoor/outdoor solution for both rental and permanent installations. They consume a fraction of the power consumption and heat generation of other LED displays. As a consequence, they don't need cooling fans, resulting in noiseless and maintenance-free operation. Furthermore, their thin and lightweight design allows for easy handling and installation. The C5, C8 and C16 combine the C series backbone with the renowned DX-based processing. Thanks to its innovative shader design, the difference between C5 and C16 is barely noticeable when there is no image displayed on the screen. This enables seamless combinations of high and low resolution LED tiles. Next to serving the events market, the C5, C7 and C16 displays are also very attractive for fixed installations thanks to their limited maintenance, thinness and low power consumption. The C8 is designed for outdoor use and meets Barco's Typhoon test standards. This quality label guarantees a reliable product that can withstand the most severe weather conditions.



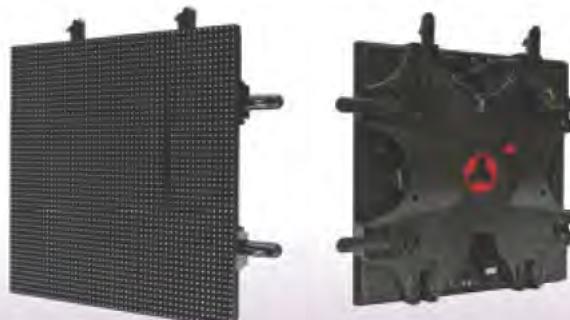
C16



C7



C8



Typical applications:

indoor (C5, C7, C16) or outdoor (C8) use

- rental, trade shows and events
- retail and advertising

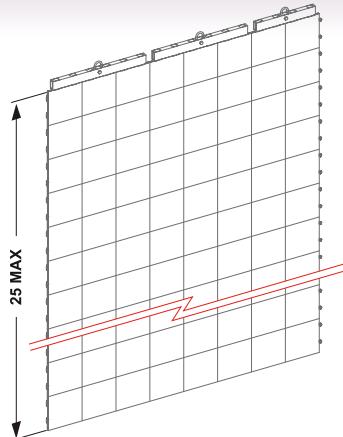
Compatible LED image processors:

- DX-100 (NNI)
- DX-700 (NNI)

Compatible application software:

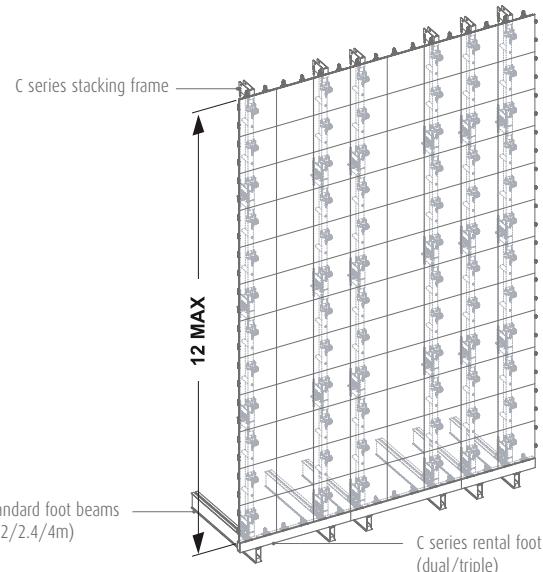


C platform rigging options



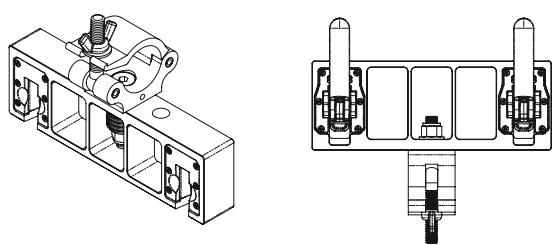
Truss mounted

Up to 25 tiles can easily be mounted via a truss beam.



Floor mounted

Max. 12 tiles high
If the height is over three tiles, the C series stacking frame is required.



Curved set-up

By replacing the dowels* at the back of the tile (see close-up left), convex or concave curved walls with various angles can be created. A curved wall should be combined with a universal header or footer.
Radius: +8 / +4 / -7.5 / -10 / -22 m

* This is not available for the C5 and C7; these tiles have to be adapted.





T SERIES LED DISPLAYS

T8

The T8 and T10 LED displays feature a fully scalable and flexible cabinet size, to meet any customer need. As their cabinet is directly attached to the steel structure, there is no need for a precision steelwork with mounting plates. Their position can be automatically aligned so that there's no separate alignment of every module needed – this can be done via the four corners of the cabinet. As the displays are integrated into one cabinet, the installation and alignment time is minimized. Thanks to their full outdoor Typhoon tested IP54 rating, the T8 and T10 are ideally suited for outdoor advertising. What's more, these slim and lightweight displays can easily be accessed, from the front as well as the back. They come with the revolutionary Infinipix™ backbone that consists of a LED video processor NP100, display manager NM100 and an Infinipix™ protocol which provides much higher bandwidth for smooth images and high-level (automated) monitoring. Each cabinet contains one Infinipix™ card.



T10



Typical applications:

- outdoor use
- retail and advertising

Compatible LED image processors:

- NP100

LiveDots
Setting Standards

TIME TO GET DOWN.
#PLAYFORNY



UNIVERSAL CLOTHING
LTD.

Subway

MTA 1 2 3 ↓

West 34th St

EAST
FURIOUS
MAY 24

8:06:30

SWAROVSKI



TF16



TF20



Barco's T series is designed for 24/7 outdoor use, especially in branding and digital advertising markets, where years of worry-free usage make the difference. It is a green LED display system, with no hazardous materials, low energy consumption and highly efficient components. The TF16 and TF20 also feature contrast enhancing shaders and tilted LEDs. All displays in the series have optimized the balance between brightness, color and contrast. By nature, their low maintenance requirements and proven track record lead to a low total cost of ownership.

Typical applications:

- indoor/outdoor use
- retail and advertising
- sports
- digital signage

Compatible LED image processors:

- DMP-100
- DX-100 (DVI)
- DX-700 (DVI)

Compatible application software:



V SERIES LED DISPLAYS

V4

Barco's V series includes indoor and outdoor LED solutions for retail and advertising, sports and digital Out-of-Home. These LED displays come at an attractive price without compromising on performance and reliability. Thanks to their excellent black levels, contrast and image quality, the V4 and V6 are ideally suited for indoor applications.



V6



Typical applications:

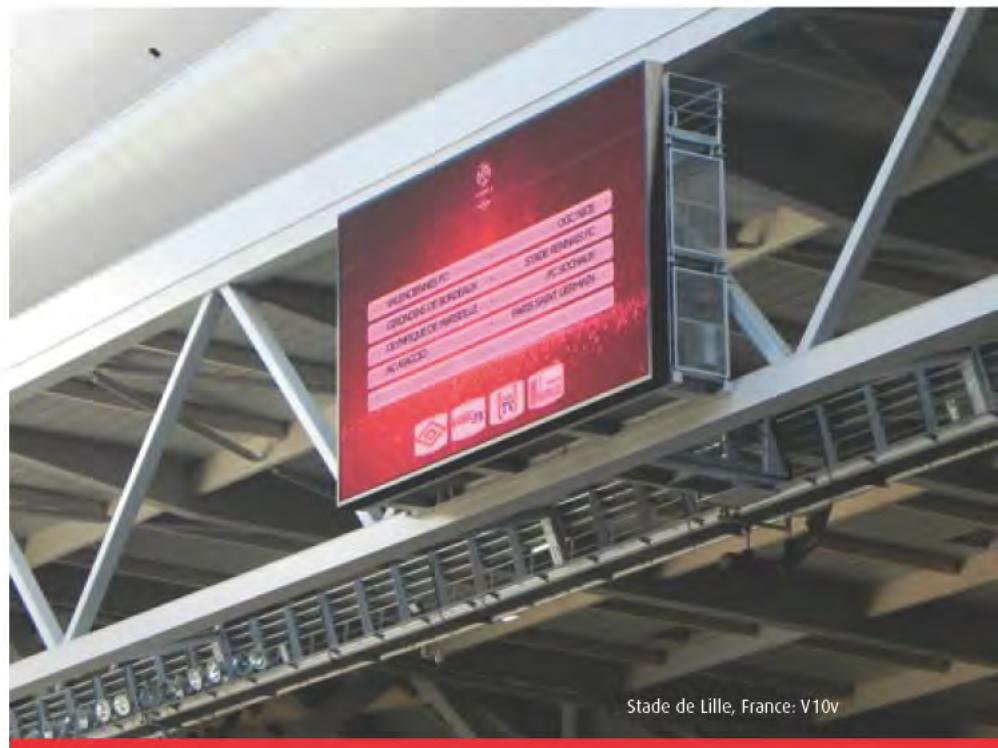
indoor use

- retail and advertising
- sports

Compatible LED image processors:

- DV-100

Compatible application software:



Stade de Lille, France: V10v

V10



The reliable V10 and V10v outdoor modular LED displays are easy to install and offer a high resolution.

Typical applications:

- outdoor use
- low-end retail and advertising
- sports

Compatible LED image processors:

- DV-100

V10v



Compatible application software:

• VTS

V9m

Designed for rental and staging, the V9m and V14m can be used for both indoor and outdoor stages and, thanks to their low weight, they allow rental companies to build large dynamic video backdrops, whether straight or curved, as well as side screens on lightweight trusses. Available as transparent and non-transparent displays, they are also ideally suited for overhead and ceiling screens. Thanks to the special magnetic V-lock™, their setup times are significantly reduced and a single technician can quickly and safely install these tiles on his own. Lightweight and slim LED displays, the V9m and V14m can easily be boxed and shipped.



V14m



Typical applications:

- In- and outdoor use
- rental and staging

Compatible LED image processors:

- DV-100

Compatible application software:





Rock Werchter, Werchter, Belgium: V14m

FLX SERIES - CREATIVE LED

FLX-60

Barco has taken creative LED to a completely new level with transformable LED. With this concept, designers are no longer limited to traditional LED displays but can instead create any shape they want. FLX is a unique freeform LED concept that will amaze spectators all over the world. FLX consists of individually controllable, compact, high-quality LED pixel modules that can be combined with a wide variety of specifically designed carriers (mechanical structures) into any shape you desire.

Furthermore, Barco's transformable LED is ideally suited for countless applications – from live events to fixed installations, indoor as well as outdoor. It is created to withstand the toughest weather conditions and can be used in bright sunlight or rain. No matter what you want, you can transform the FLX to your own design.

Typical applications:

- branding
- art
- architecture
- events

	FLX-60	FLX-L
LED type	3-in-1 SMD	Through hole 2*R, 2*G, 1*B
Brightness	15 cd/pixel	10 cd/pixel
Viewing angle	140°	H: 110° V: 50°
Protection	IP65 rated Typhoon 24/7	IP65 rated Typhoon 24/7



FLX-L





YOUR PARTNER FOR CUSTOM-DESIGNED LED PROJECTS

At Barco LiveDots we focus on your needs and help you in making your vision come to life. If you're looking for a reliable partner to realize your unique project, LiveDots is the right man for the job. The following examples of custom-designed and challenging projects prove that no project is unachievable for us.

CREATING A MIND-BLOWING LED WALL FOR THE LONDON OLYMPICS 2012

For the 2012 London Olympics, Barco LiveDots and partner Tait Technologies' small LED tablet truly caught the eye of over 1 billion people during the 225-minute opening show of the Games. On each and every stadium seat – no less than 70,799 in total – one of these custom-designed panels was attached to create what was probably the largest video screen ever seen. Each LED device came set in a plastic paddle, so that the audience could pick them up and move them around, wowing spectators from across the world with this interactive show.

71,000 hand-held LED tablets

Thinking back to the rave reviews of the immense LED display (500,000 pixels) they had developed for U2's 360 tour, Barco and Tait were selected to create a giant LED wall for the London Games, using Barco's modular FLX LEDs. In barely 14 weeks' time, Barco LiveDots and Tait Technologies designed, produced and installed 70,799 hand-held tablets - featuring nine LED pixels per tablet – for the opening ceremony.

The tablets not only used the FLX LEDs, they were based on the FLX platform and backbone as well, which can be used in many shapes and configurations, from a single pixel for the Asian Games in DOHA, to multiple pixels for the Olympics tablets and the U2 360° tour's hexagonal LED modules. The tablets worked together with 63 controllers and as many fiber lines, 500 hubs, 63 power suppliers and 370 km cabling infrastructure to turn the Olympic stadium into a giant video display with 637,191 pixels that wowed all spectators.



Challenges and objectives

- Creative LED solution to interact dynamically with the audience
- Short time frame
- Strict quality controls

Barco solution and services

- 71,000 tablets integrating nine FLX-24 LED pixels per tablet
- DX processors

"The LED platform allows for great creativity without requiring any development on the backbone. On top of that, it is a very robust system. The tablets were out in the London rain for four months, without any problems."

Joost De Frene, Product Manager at Barco LiveDots



COMBINING SUN SHADING WITH LED VISUALIZATION

Together with Belgian natural ventilation and sun protection trendsetter RENSON®, Barco LiveDots developed IRISS (Integrated Radiant Image Solar Shading), a revolutionary sun shading system with integrated LED technology.

Make the right impression

As it represents a visitor's first impression, your building's exterior is one of the most valuable branding tools – because you never get a second chance to make a first impression. Perfectly complementing your building's architecture, IRISS will boost your façade by combining a transparent LED display that shows dynamic video content with attractive sun shading. Thanks to its high brightness LEDs featuring up to 281 trillion colors, the static and dynamic images displayed by IRISS are also clearly visible at daytime. IRISS can be controlled remotely and content can be loaded from anywhere in the world.

Sun control

Large glass façades not only bring a lot of light into buildings, they also offer contact with the environment but they can also lead to overheating and glare on sunny days. External aluminum sun shading blocks sunrays, resulting in a pleasant room temperature. The minimum distance of 25 mm between the blades allows light to enter, while maintaining contact with the environment.

Unlimited flexibility

Fully customizable and extendable with extra modules in the future, this revolutionary sun shading system offers you ultimate flexibility. It cannot only be used to create a dynamic façade featuring LED technology but it can also be integrated in an entire façade solution for window shading and wall cladding. By combining these blades with integrated LEDs and similar standard blades, you can create a continuous linear blade view of your whole façade. Thanks to the quick fix mounting system, the LEDs can rapidly be removed at any time, allowing for easy servicing and maintenance.



"This solar shading solution with integrated messaging functionality combines the best of both worlds. It respects a building's original architecture while providing a real media façade."

Kristof Derudder, Business Unit Manager Sun protection, Renson



LED IMAGE PROCESSORS

DX-700

The DX is a multi-window image processor designed as a versatile front-end for the X, T and C series LED displays. With color calibration, genlocking, versatile input and output modules, support for blending, color keying and a wide variety of show effects, the DX is an ideal and user-friendly choice to boost the performance of your display. The DX-100 is a compact, straight-on LED processor designed for simple installations, whereas the DX-700 offers the series' complete functionalities in one package.



DX-100



Infinipix processor NP100



DMP-100



The DMP-100 is a compact digital media processor with integrated control, monitoring and diagnostics capabilities for T series LED displays. Designed for the digital out of home market, it guarantees 24/7 display management.

The DV-100 offers high-performance scaling, creative setups and remote control for the V series LED displays. It supports all the latest video standards (HDMI, DisplayPort, 3G SDI), and incorporates easy-to-use front panel controls.



Infinipix manager NM100



The Infinipix manager is the heart and the brain of a LED display or display network. It allows display setup, control and monitoring from anywhere in the world, from any device. The straightforward user interface offers infinite possibilities to suit your needs.

Director Toolset (DTS)



With the DTS software, advanced users can configure, manage and control the X, T and C series LED displays. Even when the configurations are connected via different COM ports, users can switch between them. With the Director Toolset software, a show can be designed and prepared on the road and different setups can simultaneously be controlled.

Remote Management Software (RMS)



With RMS users can monitor single or multiple X, T, C series LED displays, locally as well as worldwide. It autonomously performs diagnostics and sends detailed reports in case of failure which can often be solved remotely.

V series Toolset (VTS)



The VTS Toolset software offers simple operation for the V series LED displays thanks to its straightforward and user-friendly interface. The V series Toolset is developed to work seamlessly with the DV-100 LED image processor, as an optimal backbone for the V series.

UGC CINÉ CITÉ





Les Quatre Temps, Paris, France: C7

LCD SERIES ADVERTISEMENT KIOSKS

LCD55ix / LCD55ox

Available as single- or double-sided displays for indoor or outdoor use and for both floor- and wall-mounted setups, the LCD55x and LCD72x are perfectly suited for a wide range of applications. These rugged and reliable advertisement kiosks feature integrated heat management, content and display management and optional I-Guard™ technology for maximum display uptime. What's more, they come with a fleet of options for audience interaction: touch technology, cameras for audience measurement and gesture control, NFC, WiFi and Bluetooth. Based on a standard waterproof cassette that operates autonomously, both the housing and finishing of the displays are fully customizable, which allows them to be tailored to any customer need.



LCD72ix / LCD72ox



Typical applications:

indoor use (LCD55ix, LCD72ix)

outdoor use (LCD55ox, LCD72ox)

- retail and advertising

LCD55ipw



The LCD55ipw is a slim double-sided portrait LCD-based advertisement kiosk for indoor use. Just like the other kiosks, it features integrated heat management, content and display management and i-Guard technology and its housing and finishing is customizable. It also comes with various options – touch technology, cameras for audience measurement and gesture control, NFC, WiFi and Bluetooth – that allow for interactive advertising.

Typical applications:

Indoor use

- retail and advertising

CONTENT MANAGEMENT HARDWARE

DISplayer³ eco

Our DISplayer³ eco Linux series of reliable media players is designed for high-performance 24/7 operation. These players combine ergonomic design with a minimal power consumption of less than 1 Watt in connected standby. Available in three models – standard, performance and high performance – the DISplayer³ eco series definitely includes the right media player for your specific application. What's more, they are fully compatible with almost any type of display and with all popular media and content formats. They can also easily be extended with a WiFi card, TV-tuner or Bluetooth technology.



DISplayer³ eco mini



Typical applications:

- retail and advertising
- transportation

CONTENT MANAGEMENT SOFTWARE



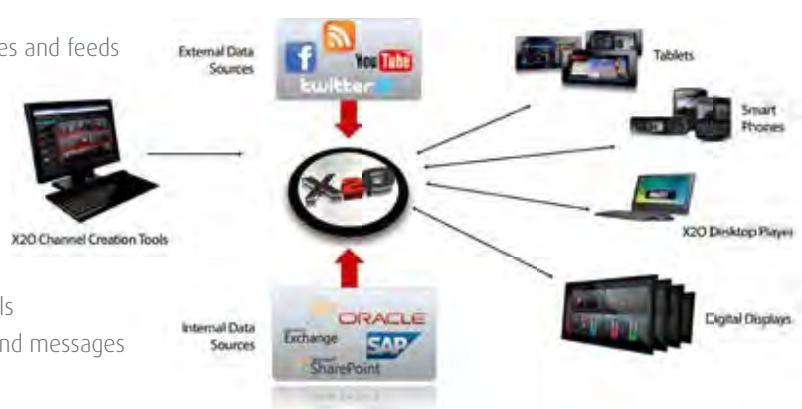
Barco's X2O digital signage software delivers the highest quality video and graphics output, while providing users with the easiest-to-use, browser-based content management tools. X2O makes it easier than ever to reach customers, employees and partners with visually compelling and relevant content on any screen, anywhere, anytime towards any audience.

X2O digital signage software offers more than any other solution:

- Publish content **to any screen**: digital displays of any size and configuration, desktop PCs, tablets and smartphones.
- Great-looking, **broadcast-quality** content ensures viewers will stop and watch. Support for any resolution from giant LED signs to multi-screen video walls.
- Content linked to data and RSS feeds updates **dynamically** in real time, saving you significant time and money.
- Designed from the ground up to **integrate** with third-party players and software.
- Recognized with numerous **awards** for innovation, quality and technical advances.

X2O digital signage software features

- Browser-based content management tools
- Graphics linked to unlimited number of live data sources and feeds
- Smooth crawls and tickers
- Professionally-designed templates and objects
- Design for virtually any display resolution
- No limits on how to lay out screen, no fixed formats
- Display PowerPoint slides
- Manage user roles and permissions
- Remotely manage displays with browser-based controls
- Override displays in real time with emergency alerts and messages
- Play audio files



CUSTOMER SUPPORT SERVICES

Why select one of our dedicated service programs?

- Ultimate peace of mind thanks to proactive maintenance
- Ensures a longer lifetime of your products
- Maximizes uptime and product performance
- Allows you to increase your return on investment



Professional support anytime, anywhere

Barco has developed a **network of offices and partners across every continent** to provide professional regional assistance in your local language. With offices all over the world, we can support service options to suit most time-critical requirements.



Professional helpdesk/NOC

Barco's dedicated helpdesk hotlines are run by trained product specialists who ensure **immediate and real-time assistance** in many languages, and who are committed to delivering excellent customer service. Thanks to the NOC (Network Operations Center), you can maximize your uptime and manage your LED system globally.



Preventive maintenance

Barco service engineers have an in-depth knowledge of your product and offer the **highest level of repair services**. For obsolete products, Barco aims to provide a 5-year servicing period starting from the end-of-life date.



Online services

For **quick services** around the clock, 365 days a year, customers can rely on the myBarco portal on www.barco.com and the eSupport helpdesk for technical questions, service requests, online training and much more.



On-site assistance and support

A team of service professionals offers the **expert assistance** you need at your facility. Additionally, Barco's service offering includes a variety of **training programs** brought to you by competent instructors with extensive product experience.



Service tailored to your needs

Barco LiveDots has developed different **Maintenance Service Agreement Programs**, specifically tailored to your needs. Contact customer service to find the most suited program for your business.

Log on to e-support helpdesk
www.barco.com/esupport

Access 24/7 secure online extranet 'myBarco' via www.barco.com/myBarco



Seattle Art Museum, US: C11, MiSTRIP



	NX4S indoor	NX6 indoor	X8 outdoor
Pixel pitch	4.7 mm	6.2 mm	8.6 mm
Brightness	2,000 nits	2,000 nits	4,200 nits
LED type	3-in-1 black SMD	3-in-1 black SMD	3-in-1 SMD
Pixel density	45,918/sqm 4,271/sqft 10,368/tile (96x108)	25,829/sqm 2,402/sqft 5,832/tile (72x81)	13,408/sqm 1,247/sqft 13,068/tile
Viewing angle	H: 120 degrees V: +60/-60 degrees	H: 120 degrees V: +60/-60 degrees	H: 60/60 degrees V: +60/-60 degrees
Contrast ratio	3,500:1	4,200:1	4,000:1
Lifetime	60,000 hrs (@50% brightness)	60,000 hrs (@50% brightness)	100,000 hrs (@50% brightness)
Power consumption	244 W/tile max 109 W/tile average	219 W/tile max 104 W/tile average	823 W/sqm max 247 W/sqm typical
Tile size (W x H x D) in mm	448 x 504 x 210 (rental) 448 x 504 x 228.6 (fixed)	448 x 504 x 210 (rental) 448 x 504 x 228.6 (fixed)	1,140 x 853 x 234
Weight	12.9 kg/tile - 28.4 lbs/tile (rental) 13.8 kg/tile - 30.3 lbs/tile (fixed)	12.9 kg/tile - 28.4 lbs/tile (rental) 13.8 kg/tile - 30.3 lbs/tile (fixed)	39 kg/tile 86 lbs/tile
IP rating	indoor only	indoor only	IP65/54
Processing	16 bit/color	16 bit/color	16 bit/color
Refresh rate	3,200 Hz	3,200 Hz	3,200 Hz
3D ready (option)	yes	yes	yes
Max stacking	12 tiles	12 tiles	3 tiles
Max hanging	15 tiles	15 tiles	11 tiles
Interface port	x4 HDMI link	x4 HDMI link	x2 HDMI link
Servicing	front and back (front: tool required)	front and back (front: tool required)	back
Source compatibility (with digitizer)	CVBS, YC, YUV, RGB, DVI (Single and Dual link, up to 2,048 x 1,536), SDI, HDSDI, Dual link HDSDI	CVBS, YC, YUV, RGB, DVI (Single and Dual link, up to 2,048 x 1,536), SDI, HDSDI, Dual link HDSDI	CVBS, YC, YUV, RGB, DVI (Single and Dual link, up to 2,048 x 1,536), SDI, HDSDI, Dual link HDSDI
Operatable digitizer	DX-100, DX-700 (with NNI output card)	DX-100, DX-700 (with NNI output card)	DX-100, DX-700
Certification	CE classA, TUV, FCC Class A, ETL, Cebec, RoHS	CE classA, TUV, FCC Class A, ETL, Cebec, RoHS	ETL/UL, CE, FCC class A, RoHS, TUV



C5	C16	C7	C8
indoor	indoor	indoor	outdoor
5.6 mm	16.7 mm	7.7 mm	8.3 mm
2,000 nits	2,000 nits	2,000 nits	5,000 nits
black SMD	3-in-1 black SMD	3-in-1 black SMD	3-in-1 waterproof SMD
32,400/sqm 3,010/sqft 5,184/tile (72x72)	3,600/sqm 335/sqft 2,304/tile	16,900/sqm 2,704/tile (52x52)	14,400/sqm 1,338/sqft 2,304/tile
H: +60/-60 degrees V: +60/-60 degrees	H: +60/-60 degrees V: +60/-60 degrees	H: +60/-60 degrees V: +60/-60 degrees	H: +60/-60 degrees V: +50/-60 degrees
3,500:1	3,500:1	3,500:1	2,600:1
100,000 hrs (@50% brightness)	100,000 hrs (@50% brightness)	100,000 hrs (@50% brightness)	100,000 hrs (@50% brightness)
660 W/sqm max 220 W/sqm typical			
400 x 400 x 63	400 x 400 x 63	400 x 400 x 63	400 x 400 x 68
6.4 kg/tile 14.1 lbs/tile	6.4 kg/tile 14.1 lbs/tile	6.4 kg/tile 14.1 lbs/tile	7 kg/tile 15.4 lbs/tile
indoor only	indoor only	indoor only	IP65
16 bit/color	16 bit/color	16 bit/color	16 bit/color
3,200 Hz	3,200 Hz	3,200 Hz	3,200 Hz
yes	yes	yes	yes
12 tiles	12 tiles	12 tiles	12 tiles
25 tiles	25 tiles	25 tiles	25 tiles
x2 HDMI link front and back (optional)			
CVBS, YC, YUV, RGB, DVI (Single and Dual link, up to 2,048 x 1,536), SDI, HDSDI, Dual link HDSDI DX-100, DX-700	CVBS, YC, YUV, RGB, DVI (Single and Dual link, up to 2,048 x 1,536), SDI, HDSDI, Dual link HDSDI DX-100, DX-700	CVBS, YC, YUV, RGB, DVI (Single and Dual link, up to 2,048 x 1,536), SDI, HDSDI, Dual link HDSDI DX-100, DX-700	CVBS, YC, YUV, RGB, DVI (Single and Dual link, up to 2,048 x 1,536), SDI, HDSDI, Dual link HDSDI DX-100, DX-700
ETL, CE, RoHS, FCC, TUV	ETL/UL, CE, FCC, RoHS, TUV	ETL, CE, RoHS, FCC, TUV	ETL/UL, CE, FCC class B, RoHS, TUV



LiveDots
Digital Signage

	T8 outdoor	T10 outdoor	TF16 outdoor	TF20 indoor
Pixel pitch	8.33 mm	10.0 mm	16.0 mm	20.0 mm
Transparency	-	-	-	-
Brightness	6,000 nits	6,000 nits	6,450 nits	6,600 nits
LED type	SMD	SMD	3x lamp	3x lamp
Pixel density	14,400/sqm 1,338/sqft 2,304/module	10,000/sqm 929/sqft 1,600/module	11,739/sqm 1,092/sqft 3,600/tile (60x60)	7,513/sqm 699/sqft 2,304/module (48x48)
Viewing angle	H: 120 degrees V: +25/-50 degrees	H: 120 degrees V: +25/-50 degrees	H: 140 degrees V: +20/-50 degrees	H: 130 degrees V: +10/-45 degrees
Contrast ratio	3,000:1	4,000:1	4,000:1	4,000:1
Lifetime	100,000 hrs (@50% brightness)	100,000 hrs (@50% brightness)	100,000 hrs (@50% brightness)	100,000 hrs (@50% brightness)
Power consumption	< 600 W/sqm max	< 600 W/sqm max	460 W/sqm max 119 W/sqm average	500 W/sqm max 139 W/sqm average
Tile size (W x H x D) in mm	2,000 x 3,200 x 150	2,000 x 3,200 x 150	960 x 960 x 225	960 x 960 x 230
Weight	17 kg/tile 37.48 lbs/tile 35 kg/sqm (incl cabinet) 77.2 lbs/sqm (incl cabinet)	17 kg/tile 37.48 lbs/tile 35 kg/sqm (incl cabinet) 77.2 lbs/sqm (incl cabinet)	39.2 kg/tile 86.4 lbs/tile	38 kg/tile 83.8 lbs/tile
IP rating	IP65/54	IP65/54	IP65/54	IP65/54
Processing	16 bit/color	16 bit/color	16 bit/color	16 bit/color
Refresh rate	> 1,600 Hz	> 1,600 Hz	800 Hz	800 Hz
3D ready (option)	no	no	no	no
Max stacking	n/a	n/a	n/a	n/a
Max hanging	n/a	n/a	n/a	n/a
Interface port	Infinipix	Infinipix	x2 DVI link	x2 DVI link
Servicing	front and back	front and back	front or back	front or back
Source compatibility (with digitizer)	HDMI 1.4, 3G SDI (DVI via HDMI)	HDMI 1.4, 3G SDI (DVI via HDMI)	CVBS, YC, YUV, RGB, DVI, SDI, HDSDI (DX700: and Dual link DVI, Dual link HDSDI)	CVBS, YC, YUV, RGB, DVI, SDI, HDSDI (DX700: and Dual link DVI, Dual link HDSDI)
Operable digitizer	NP100	NP100	DX-100, DX-700 (with DVI output card) D320, DMP-100 LED-PRO	DX-100, DX-700 (with DVI output card) D320, DMP-100 LED-PRO
Certification	CE, ETL, CCC, RoHS, FCC Class A WEEE, typhoon 24/7	CE, ETL, CCC, RoHS, FCC Class A WEEE, typhoon 24/7	ETL, CE, FCC Class A, RoHS	ETL, CE, FCC Class A, RoHS



V4	V6	V10	V10v	V16	V9m	V14m
indoor	outdoor	outdoor	outdoor	outdoor	in- & outdoor	in- & outdoor
4.5 mm	6.0 mm	10.0 mm	10.0 mm virtual	16.0 mm	9.52 mm	14.28 mm
-	-	-	-	-	5%	12%
1,700 nits	1,700 nits	5,400 nits	5,500 nits	5,000 nits	4,000 nits	4,300 nits
3-in-1 black SMD	3-in-1 SMD	3-in-1 SMD	4x lamp (RGBR)	3x lamp	3-in-1 SMD	3-in-1 SMD
49,648/sqm 4,612/sqft 16,384/tile	27,778/sqm 2,581/sqft 9,216/tile (96x96)	10,000/sqm 929/sqft 3,072/tile (64x48)	2,500/sqm 232/sqft 3,072/tile	3,906/sqm 363/sqft 4,096/tile	11,025/sqm 1,023/sqft 7,056/tile	4,900/sqm 455/sqft 3,136/tile
H: 120 degrees V: +60/-60 degrees	H: 120 degrees V: +50/-65 degrees	H: 120 degrees V: +10/-50 degrees	H: 140 degrees V: +15/-35 degrees	H: 140 degrees V: +15/-35 degrees	H: 120 degrees V: +60/-60 degrees -45/+60 degrees	H: 120 degrees V: +60/-60 degrees -45/+60 degrees
2,500:1	2,000:1	1,200:1	2,000:1	2,000:1	4,000:1/5,000:1	3,500:1/6,000:1
50,000 hrs (@50% brightness)	50,000 hrs (@ 50 % brightness)	50,000 hrs (@ 50 % brightness)				
611 W/sqm 244 W/sqm typical	603 W/sqm 241 W/sqm typical	512 W/sqm 208 W/sqm typical	366 W/sqm 146 W/sqm typical	476 W/sqm 190 W/sqm typical	391 W/sqm max 156 W/sqm typical	453 W/sqm max 181 W/sqm typical
576 x 576 x 130	576 x 576 x 130	640 x 480 x 135	1,280 x 960 x 150	1,024 x 1,024 x 150	800 x 800 x 125	800 x 800 x 125
16 kg/tile 35.53 lbs/tile	16 kg/tile 35.53 lbs/tile	20.0 kg/tile 44.1 lbs/tile	57 kg/tile 125.7 lbs/tile	57 kg/tile 125.7 lbs/tile	13.50 kg/tile 29.80 lbs/tile	12.77 kg/tile 28.15 lbs/tile
indoor only	indoor only	IP65/43	IP65/44	IP65/44	IP65	IP65
16 bit/color						
1,200 Hz	over 2,800 Hz	over 2,800 Hz				
no						
17 tiles	17 tiles	20 tiles	20 tiles	20 tiles	no	no
34 tiles	34 tiles	40 tiles	40 tiles	40 tiles	20 tiles	20 tiles
CAT5						
front and back	back	back	back	back	back	back
DVI-I (CVBS/YC/YUV/ DVI), RGB, SDI (HD/SD), HDMI, DisplayPort						
DV-100						
CE, ETL, CCC, FCC class A, RoHS, China RoHS, WEEE	CE, ETL, CCC, FCC class A, RoHS, China RoHS, WEEE	CE, ETL, CCC, FCC class A, RoHS, China RoHS, WEEE	CE, ETL, FCC class A, RoHS, China RoHS, WEEE	CE, ETL, FCC class A, RoHS, China RoHS, WEEE	CE, ETL, FCC class A, TUV, RoHS, CEBC, WEEE	CE, ETL, FCC class A, TUV, RoHS, CEBC, WEEE

LCD SERIES



	LCD55ix indoor	LCD72ix indoor	LCD55ipw indoor
Panel size	55 inch	72 inch	55 (2x) inch
Panel type	IPS	IPS	IPS
Resolution	1,920 x 1,080	1,920 x 1,080	1,920 x 1,080
Brightness	700 cd/m ²	700 cd/m ²	700 cd/m ²
Viewing angle	Horizontal: 178° / Vertical: 178°	Horizontal: 178° / Vertical 178°	Horizontal: 178° / Vertical: 178°
Dimensions monitor (WxHxD)	844 x 1,687 x 82 mm including wall mount	tbc	844 x 2,121 x 106 mm including floor mount
Weight	83 kg	tbc	170 kg
Operational temperature	0 to 40°C	0 to 40°C	0 to 40°C
Power consumption	120 W typical	tbc	240 W typical

	LCD55ox outdoor	LCD72ox outdoor
Panel size	55 inch	72 inch
Panel type	IPS	IPS
Resolution	1,920 x 1,080	1,920 x 1,080
Brightness	2,000 cd/m ²	2,000 cd/m ²
Viewing angle	Horizontal: 178° / Vertical: 178°	Horizontal: 178° / Vertical 178°
Dimensions monitor (WxHxD)	tbc	1,121 x 2,847 x 287 mm including floor mount
Weight	tbc	360 kg
Operational temperature	-20 to +50°C	-20 to +50°C
IP rating	IP65/54	IP65/54
Power consumption	tbc	820 W typical



	DISplayer ³ eco standard	DISplayer ³ eco performance	DISplayer ³ eco high performance	DISplayer ³ eco mini
Processor/chipset	AMD® G-Series® (2x 1.65 GHz)	Intel® 6 Series Celeron® (2x 1.6 GHz)	Intel® 7 Series Core i7 (2x 2.2 GHz)	AMD® G-Series® (2x 1.65 GHz)
GPU	AMD® Radeon® HD 6320	Intel® HD Graphics	Intel® HD Graphics	AMD® Radeon® HD 6320
Memory & storage	2 GB DDR3 – 1066 160 GB hard disk 4 GB CFast™ SSD, replacement for hard disk (optional)	2 GB DDR3 – 1333 (dual channel) 160 GB hard disk 4 GB CFast™ SSD, replacement for hard disk (optional)	2 GB DDR3 – 1333 (dual channel) 160 GB hard disk 4 GB CFast™ SSD, replacement for hard disk (optional)	2 GB DDR3 – 1333 4 GB CFast™ SLC 64 GB SSD Drive MLC
Network	Dual Gigabit Ethernet	Dual Gigabit Ethernet	Dual Gigabit Ethernet	Gigabit Ethernet
Output	1x HDMI	1x HDMI (2x HDMI optional)	1x HDMI (2x HDMI optional)	1x HDMI
Power	Idle: 16 Watt Full use: 27 Watt 100 ~ 240 V // 48 ~ 62Hz Connected standby: 1 Watt	Idle: 20 Watt Full use: 35 Watt 100 ~ 240 V // 48 ~ 62Hz Connected standby: 1 Watt	Idle: 20 Watt Full use: 40 Watt 100 ~ 240 V // 48 ~ 62Hz Connected standby: 1 Watt	Idle: 16 Watt Full use: max. 25 Watt Connected standby: 1 Watt
Dimensions (WxDxH)	250 x 200 x 40mm	250 x 200 x 40mm	250 x 200 x 40mm	193 x 200 x 30mm

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:

 4 mm PIXEL PITCH	physical pixel pitch of a LED product, measured in mm	 LOW NOISE	very low noise for its class	 EASY INSTALL	product is easy to install
 8mm PIXEL PITCH	virtual pixel pitch of a LED product, measured in mm	 IP66 WATERPROOF	front and back outdoor suitability (66 is the highest rating)	 GREEN	environmentally friendly product
 SCALABLE	scalable system	 IP65/54 WATERPROOF	front outdoor suitability	 COMPACT	compact product
 CONTRAST	exceptional contrast ratio for its class	 RUGGED	designed to withstand the most severe conditions	 LOW TCO	low total cost of ownership, low service needs
 COLOR	color consistency	 FREIFORM	product can be setup in any conceivable shape	 3Y WARRANTY	product comes with a 3-year warranty
 WIDE VIEW	ultra-wide viewing angle: clearly visible image from nearly all angles	 24/7 OPERATION	designed for 24/7 operation	 LED COMPATIBLE	product is LED compatible
 PREVIEW	preview of your screen output	 CROSS RENTAL	product is suitable for cross-rental applications	 DTS COMPATIBLE	product is DTS compatible
 3D READY	this display is ready for 3D content	 MODULAR	modular, easily serviceable design	 RMS COMPATIBLE	product is RMS compatible
 TRUE BLACK	black LEDs	 TYPOON 24/7	fit for 24/7 outdoor use in severe weather conditions	 VTS COMPATIBLE	product is VTS compatible
 LOW ENERGY	exceptionally energy-efficient and/or ergonomic	 TYPOON MARINE	salt does not affect this product, making it ideal for marine applications	 up to HD COMPATIBLE	product is compatible with HD signals
 60mm DIAMETER	dimensions of the pixel module	 TYPOON RENTAL	product can endure regular shipping and transportation	 LOW LATENCY	fast image processing
 TRANSPARENT	transparent LED display	 MAGNETIC LOCK	special magnetic lock for easy install		





GALAXY
NEXUS

by Samsung



Subway

1 2 3 MTA



The possibilities
are calling.



150 YEARS OF STARTING PARTIES
BACARDÍ

THERE IS SIMPLY
NOTHING ELSE
LIKE IT.
The
LION KING

pepsi

#livetomorrow

Purchase a large sandwich salad or salad and a 12 oz Coca-Cola promotional for \$5.99

McDonald's
West 34th St

24

Subway

McDonald's

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.

About LiveDots



LiveDots, a Barco company, offers a complete range of high-impact video display systems, image processing and content management technology for permanent installations and the rental and staging market. Based on decades of experience, Barco LiveDots offers display solutions in any shape or size: from the most cost-effective display for 24/7 use to top-end display solutions. Barco LiveDots supports high-profile brands in over 50 world capitals and its equipment sets the scene for more than 2,500 events every year.

Request more information

Europe, Middle East, Africa & Latin America

President Kennedypark 35
B-8500 Kortrijk, Belgium
+32 56 36 88 69
sales.livedots@barco.com

North America

Sacramento
11101-A Trade Center Drive
95670-6119 Rancho Cordova
CA, USA
+1 916 859 2500
sales.livedots.us@barco.com

New York
26 Broadway
10004 New York, NY, USA
+1 916 859 2500
sales.livedots.us@barco.com

Asia

China
12F, Citychamp Building, No. 12 Tai Yang
Gong Zhong Lu, Chao Yang District
Beijing 100028 P. R. C., China
+86 400 882 2726
sales.livedots@barco.com



M00444-R08 0514-PC May 2014
Technical specifications are subject to change without prior notice.
The latest version of this catalog can be found on www.barco.com.