

IB-6



LED display for backdrop applications

Barco's LED display product for backdrop applications delivers a stunning image to the television viewer at home. The IB-6 combines high brightness with an excellent image uniformity and superb color gamut. By combining well proven LED technology with screen knowledge, interference between the camera and the LED pixel matrix, which can lead to Moiré patterns, is avoided.

With its slim, sleek design, the IB-6 allows build up of almost any shape and size display and is ideal for installation in TV studios.

Renowned for their ultimate picture quality, Barco's LED display products have been awarded numerous industry awards over the past few years.

Due to its stable performance over time and the fact that no consumables are required, the IB-6 is the perfect choice for the investment with having a low operational cost.

BARCO

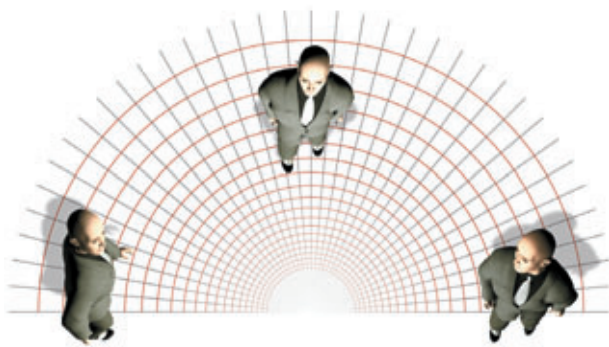
Visibly yours

Achieving perfection in image quality and system reliability



Fully engineered and manufactured by Barco, the IB-6 is the most advanced in LED display technology and design quality. An extremely stringent selection of the SMT (surface mount technology) LED components together with Barco's extensive experience in image processing guarantees ultimate picture quality, longevity and low cost of ownership.

The IB-6 display range offers many benefits not found in other display technologies.



High brightness, even at extreme viewing angles

- **Unequalled brightness & extreme viewing angles**

Using state-of-the-art SMT LED technology, the Barco IB-6 range offers a high resolution display delivering high brightness, even at extreme viewing angles. Half of the full brightness is still perceived at viewing angles of 145 degrees from the surface of the display. The IB-6 products also offer an extreme fill factor, which delivers perfect images, even at short viewing distances!

IB-6 LED display product with diffuser for backdrop applications



- **Slim, modular design**

The IB-6's slim, light-weight, modular design offers both flexibility in the shape and design of a display. This enables the displays to be built in areas with restricted available space. For fixed installations, the IB-6 is placed in a rugged structure that easily integrates in any environment. This self-supporting structure allows for easy service access, guaranteeing minimum down time and minimum time to repair per display. Tiles can also be 'hot-swapped', ensuring uninterrupted performance of the display during repair.

- **Ultimate system reliability**

Using Total Quality Management techniques in both component sourcing & manufacturing as well as product design ensures a quality product that delivers a secure long-term investment. Every IB-6 module is equipped with an embedded PC, which provides intelligence and processing upgradability. Add to that each tile's built-in innovative heat management system, and Barco's IB-6 display products offer a high-quality product with a longer life-time, ensuring lower cost of ownership than many of its competitors.

- **True color reproduction & authentic video quality**

The IB-6 display modules incorporate LED System Color Signature, Barco's Proprietary True Color Reproduction™ and True Motion Reproduction technology, which ensure accurate color uniformity and smoother, flicker-free video. Whether it is used as a video board, or for data content and messaging, the IB-6 display product offers the perfect picture over the life-time of the display.

Barco's True Color Reproduction Technology ensures color accuracy and consistency across the entire screen and across time



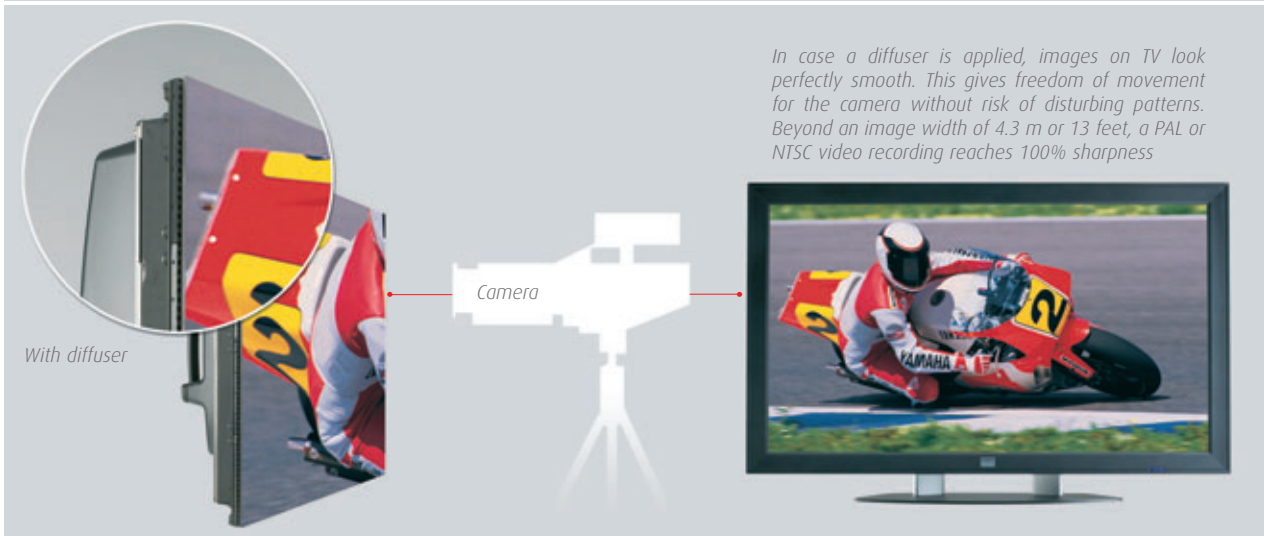
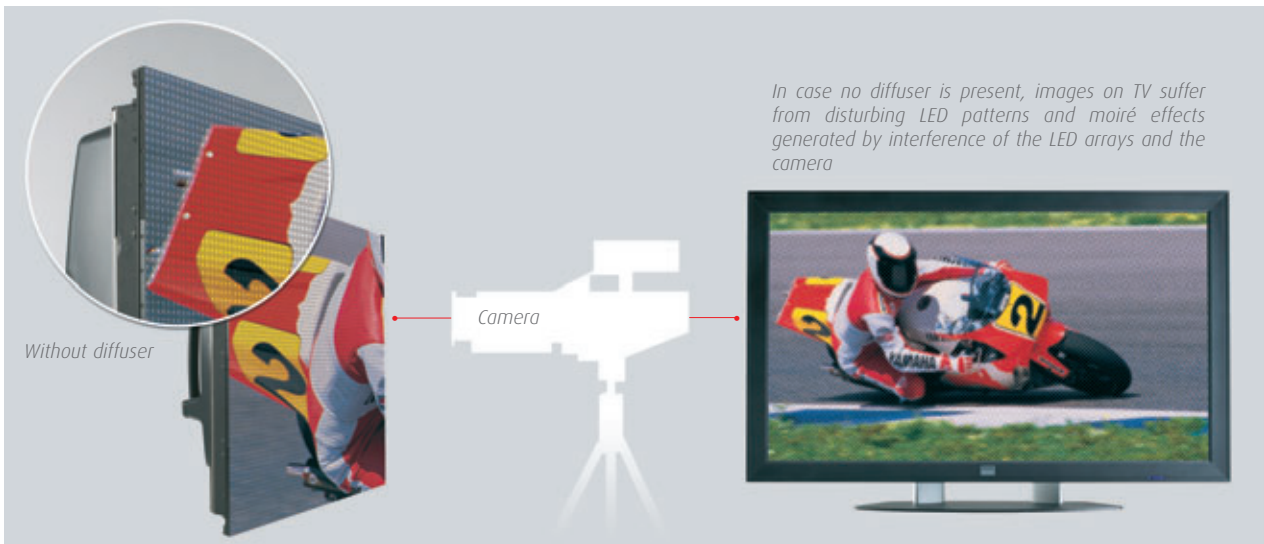
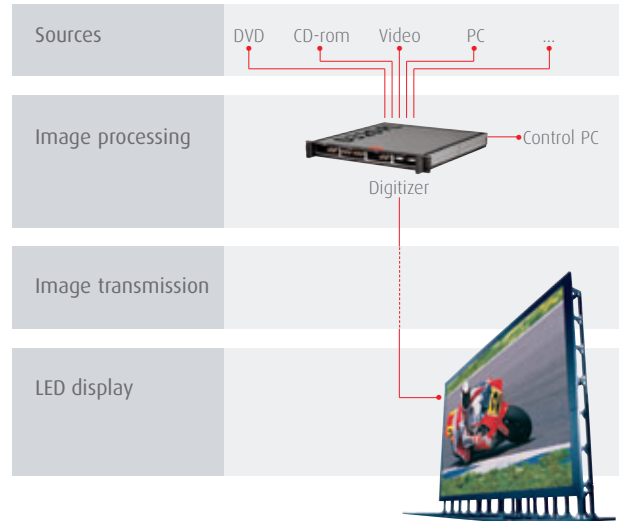
A complete display solution

The IB-6 range is more than just the best range of indoor LED displays available. Its integrated concept - from image processing and transmission to the application specific mounting structure - allows for fast set-up, easy service and full control over both video and data sources.

Combined with Barco's application software for display management and control, the indoor LED display products provide a complete solution for visualization.



Director Toolset - advanced installation & control software



IB-6 specifications

IB-6	
Pixel pitch	6 mm
Luminance (cd/m ² ftl) at 6500°K at 3200°K	350 100 265 70
LED configuration	3-in-1 SMD
Pixel density	25,920/m ² (2,410/ft ²) 5,184/tile (72x72)
Half gain angle (50% luminance) • horizontal • vertical	> ± 50° > ± 50°
50% perceived brightness angle • horizontal • vertical	> ± 75° > ± 75°
Lifetime (typical use)	100,000 h
Lifetime (full white - half brightness)	45,000 h
Power consumption / tile • maximum • average	400 W 100 W
Weight / tile	11,8 kg 26 lbs
Processing (color)	14 bit/color
Processing (greyscale)	8 bit/color
Colors	4.4 trillion
Refresh rate (PAL/NTSC) minimum	400 Hz
Temperature • operating • storage	0 - 40°C (32 - 104°F) -20 - 60°C (-4 - 140°F)
Humidity • operating • storage	35 - 85% 10 - 90%
Source compatibility	S-Video - Composite - YUV - RGB - SDI - HDSDI - Data DVI up to UXGA
Certification	UL - CE - TUV Class A
Dimensions	

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Barco Control Rooms is an ISO 9001 registered company.
 The information and data given are typical for the equipment described. However any individual item is subject to change
 without any notice.
 The latest version of this product sheet can be found on www.barcocontrolrooms.com

