

HD series

42" and 47" High Definition flat panel displays



Optimal viewing comfort in the surgical suite

In today's equipment-packed operating theaters, surgical teams are faced with a growing need for imaging solutions that centralize all critical information on one screen and make it visible for everyone in the room.

Barco's HD series responds to this demand by providing large-screen High Definition flat panel technology for the surgical suite.

With a native resolution of 1920 x 1080 pixels, the versatile HD series can visualize a wide range of sources with ultimate detail. Typical applications include endoscopic video, radiology images, room and boom camera video, surgery information and patient records.

The HD series provides nurses, surgeons and anesthesiologists with smooth, artifact-free images that allow for better, more informed decisions.



Why choose the HD series?

- Perfect readability in bright surgical environments
- Crisp image and video representations
- HD endoscopy ready
- Fanless design for minimum risk of contamination
- Non-reflective protective front cover
- Frame lock technology for smooth, artifact-free images



High Definition surgical imaging

With a native resolution of 1920 x 1080 pixels, the widescreen (16:9) HD series presents patient information, pathology images and endoscopic video with pinpoint precision on a 42 (106.7 cm) or 47 inch (119.4 cm) High Definition screen. The HD resolution LCD panel delivers bright and crisp pictures that do full justice to surgery images.

Fast response time

Thanks to its extremely fast response time, the HD series reproduces moving surgery images with vivid accuracy.

Wide viewing angle

The wide viewing angle (176°) is very beneficial in surgical environments where detailed information needs to be visible by everyone in the room.

Smooth, artifact-free images

The advanced HD displays automatically lock to the input frequency of the connected source in order to play in phase and in-frame sync with the input signal (50-60 Hz). Because no frame rate conversion is done, the motion is smooth and without artifacts.

Configurable ambient light sensor

For optimal viewing comfort under varying light conditions, the ambient light sensor can be configured to switch the backlights to a lower level when the ambient light has dropped below a user-defined threshold.

Picture-In-Picture (PIP) & Picture-And-Picture (PAP)

Displaying two images - in any mix of data and video - next to each other or as Picture-In-Picture provides the surgery staff with a dynamic presentation, while displaying more information. Size and position of the Picture-In-Picture are easy to configure.



Integrated ambient light sensor



One source on one screen



Picture-In-Picture



Picture-And-Picture



Meeting the needs of the integrated operating room

HD and DVI connectivity

Standard HD-SDI, DVI and RGB inputs enable the HD series to visualize images from the latest HD endoscopes with exceptional quality.

Non-reflective protective front cover

The HD series features a non-reflective protective front cover that makes the display easy to clean and disinfect and provides essential protection against damage from intensive use in the OR.

Low noise, fanless design

A fanless design avoids the spread of contaminants in the operating suite. Moreover, it helps to keep noise level below the limit of hearing for minimal distraction.

VESA mounting structure for easy installation

Integrated VESA mounting standards allow for easy wall or ceiling installation with any VESA-approved standard. Mounting devices are optionally available.

Remote control for central access

The user-friendly HD displays can easily be integrated into surgical environments with a central control system. Using RS232 communication, users can control the display remotely, adjust display settings and switch video input from anywhere in the operating room.

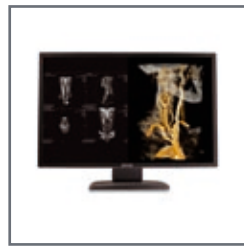
About Barco

Barco, a global market leader in visualization solutions for Picture Archiving and Communication Systems, has been developing visionary medical imaging solutions for almost twenty years. Driven by experience and innovation, Barco presents a full range of state-of-the-art solutions for radiological, surgical and clinical imaging. From acquisition to display, from image processing to quality assurance, Barco's hardware and software solutions deliver the perfection patients deserve.

Barco's commitment to quality has earned the trust of customers from all over the world, who partner with Barco to meet their most demanding imaging challenges. This partnership approach is also reflected in Barco's worldwide customer service network, ensuring professional support, wherever you are, whenever you need it.



HD series



Nio Fusion 4MP



MDSC-1119

Request more information

**Europe, Middle East, Africa
& Latin America**
Phone: +32 56 233 557
sales.medical.eu@barco.com

North America
Phone: +1 866 302 7939
sales.medical.us@barco.com

Taiwan
Phone: +886 2 8221 6868
sales.medical.apac@barco.com

South Korea
Phone: +82 2 2175 8900
sales.medical.apac@barco.com

China
Phone: +86 21 5465 5501
sales.medical.apac@barco.com

Singapore
Phone: +65-6243.7610
sales.medical.apac@barco.com

India
Phone: +91 120 4020000
sales.medical.apac@barco.com

Australia
Phone: +61 3 9646 5833
sales.medical.apac@barco.com

Japan
Phone: +81 3 3279 0771



In search of continuous improvement

K5906170 Rev. 01 0908 © 2008 Barco
Technical specifications are subject to change without prior notice.
LiveData OR-Dashboard™ image courtesy of LiveData, Inc

www.barcomedical.com

