

OVTS series

Display Wall Touch System



SMART
Technologies

With the Digital Vision Touch technology (DVIT) from SMART Technologies, Barco's display wall solutions become truly interactive environments in which users can access and manipulate data on a large screen area. Barco's Display Wall Touch System features SMART's high-precision touch screen technology enabling intuitive finger tip interaction on large-area display content.

BARCO

Visibly yours

Intuitive interaction with any application

The Display Wall Touch System is ideally suited for collaborative decision making, brainstorming, mind mapping, briefing and training applications. In the whiteboard space, you can write and save notes, save screen captures and interact with content on the display wall.

SMART's DVIT technology uses digital cameras and sophisticated recognition algorithms to determine the position of your finger tip and to make a distinction between single clicking, double clicking and drag & drop.

SMART's DVIT technology is an add-on product integrated at the bottom of the screen. It delivers unmatched accuracy and responsiveness and ensures real-time interaction on Barco's 50-inch display wall cubes.



Barco's Display Wall Touch System is an ideal solution for briefing, training, presenting or collaborating inside a wide range of environments.

Command & control

In Command and Control environments, effective collaboration is critical to enhance situational awareness and to improve the speed of command decisions. With Barco's Display Wall Touch System, it is possible to communicate mission-critical information in real time, roll out strategies more quickly and deliver more effective training.



Traffic and surveillance centers

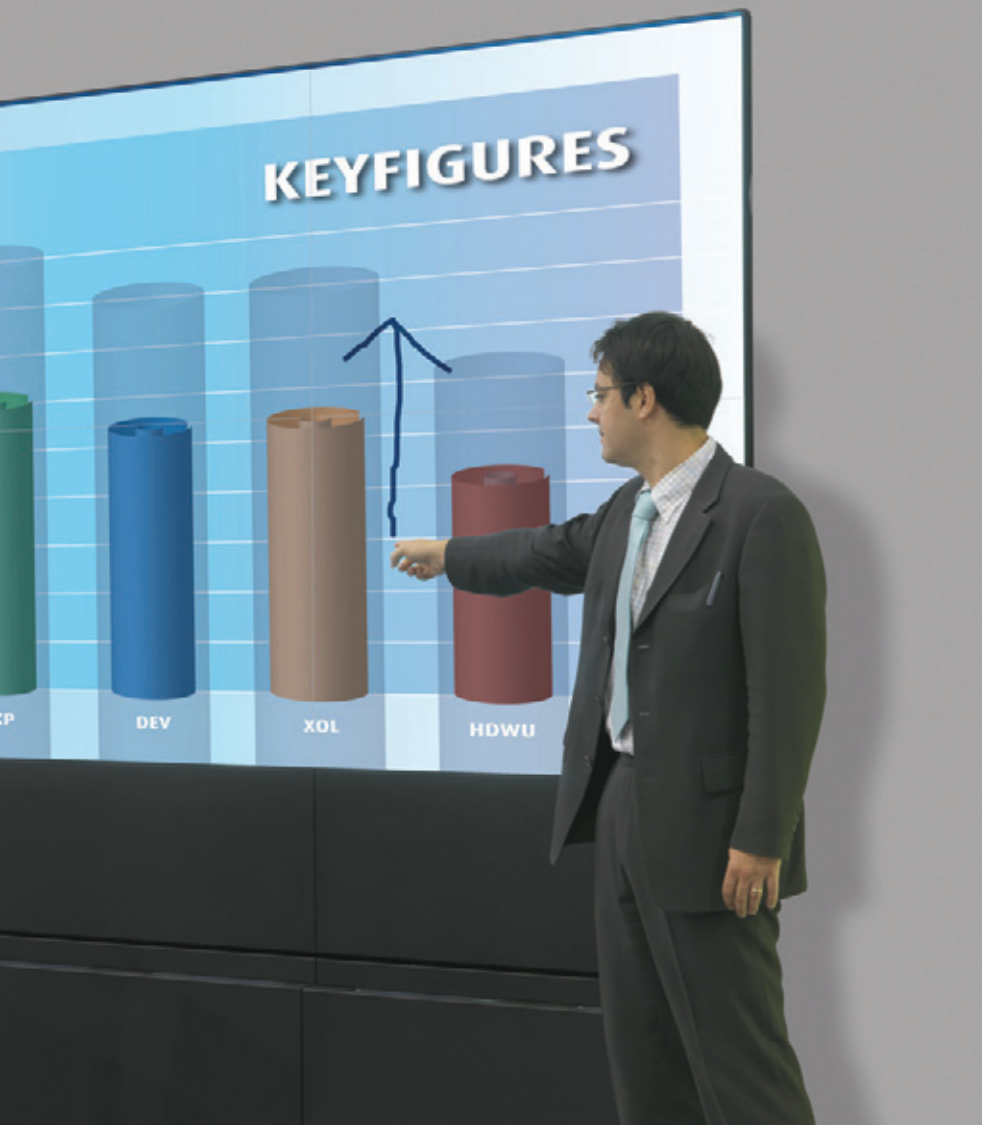
Barco's Display Wall Touch System makes emergency planning and briefing on a common operational picture more efficient and can significantly reduce response time to possible incidents. For example, operators can select, zoom, write on maps and show video simultaneously.



Process control centers

Operators at process control centers can use Barco's Display Wall Touch System to access and control real-time data on a display wall. Furthermore, the Display Wall Touch System makes a great support for project planning, collaborative sessions, training and simulation.





Benefits:

- Innovative Digital Vision Touch technology
- Intuitive interaction with display walls
- Ideal for collaborative decision-making training, briefing and presenting
- Control over menus, buttons and objects on the display wall
- Write and save notes in software applications
- High touch accuracy
- Fast responsiveness
- Scalability for large display walls

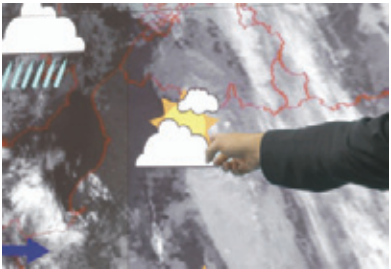
Utilities control rooms

In case of black outs or scheduled maintenance, Barco's Display Wall Touch System can help to shorten response times and allow fast information access to a group of users. In utilities control rooms, the Display Wall Touch System can be used as information board or as a project planning and problem solving tool.



Broadcast environments

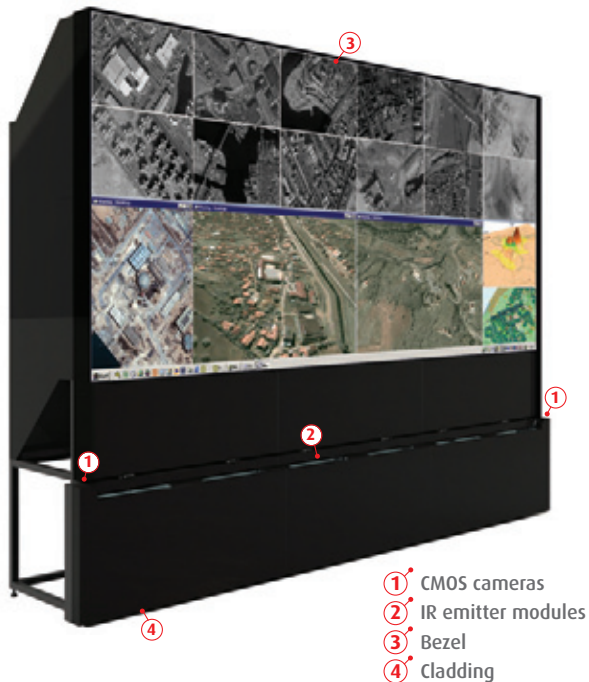
Barco's Display Wall Touch System is an ideal solution to enhance the viewer experience in TV news, sports or entertainment productions. It allows you to write over interactive maps and graphics to highlight essential information, and touch the surface to zoom in to more detailed images.



SMART's DVIT technology is integrated at the bottom of the screen.

System components

- CMOS cameras
- Digital Signal Processor
- IR emitter modules
- Power supplies
- Bezel
- Cladding



Software tools

Intuitive user interface

- Simple toolbars
- Quick tool access
- Accessible workspace (tools do not block view on information)
- Page Sorter (keep track of notes easily, sort presentation slides by drag and drop)

Object control

- Screen capture
- Edit, move and rotate objects

Text and drawing

- Handwriting recognition
- Format text
- Spell check
- Tools and drawing styles
- Supports Microsoft® Office
- Saves annotations into Microsoft Office files

Sharing information

- Export files
- Print files
- E-mail files



Technical specifications

Technology

SMART DViT technology

System components

Multiple IR emitter modules, CMOS cameras, DSP and power supplies; bezel

Configurations

Barco's OverView mDR50-DL, OverView mDG50-DL, OverView mDR'50-DL, OV-508, OV-513, OV-515 display walls, up to 7 x 3 configuration

Power supplies

1-5V, 4.2A per DSP, 1-12V 5A per 6 IR modules. All are switching power supplies (100V-250V AC, 47 Hz-63 Hz, 12V DC 4.2A)

Support heights

725 mm, 875 mm or 1000 mm (28.54 inch, 34.45 inch or 39.37 inch)

Bezel width

35mm - 100 mm (1.38 - 3.94 inch)

Interface

USB 2.0

Active touch area

7m x 2.4m

Jitter

0.10 mm

Points reported

170,000 points per camera set

Frequency of reports

100 reports per second

Calibration

15 points calibration per camera set

Contact detect height

7mm ± 4mm

Accuracy

Approximately 10mm (0.39 inch)

Response time

Approximately 50ms

Lag

Approximately 100ms

Software

SMART Board driver for Windows including, Notebook™ software, SMART Recorder, SMART Video Player

Ref. no. R599177SSE0509R003

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