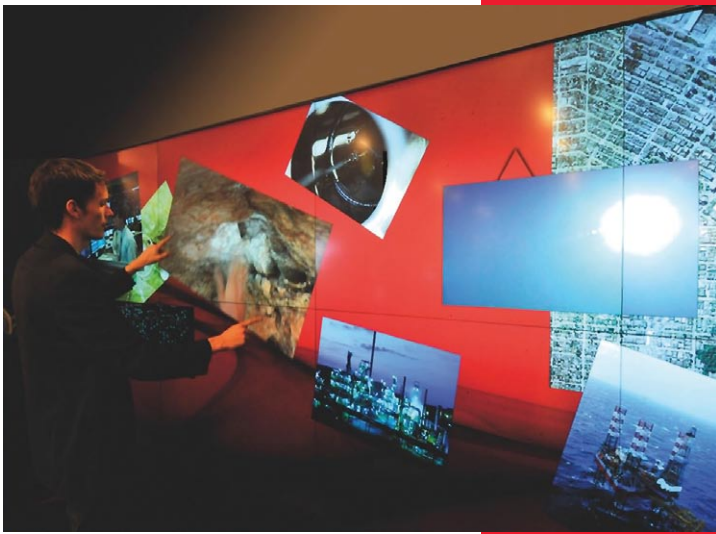


# Multi-Touch Option

## for Mitsubishi Electric Seventy Series Display Wall Cubes



Mitsubishi has developed a multi-touch option for its Seventy Series DLP Cubes that enables the entire display wall to become a single multi-touch interface. Multiple users can interact with the display at the same time, with the software tracking the hand movements of each user from one cube to the next seamlessly. Users can change size, orientation and position of any window by simply 'grabbing' or 'dragging' the corners to the desired position. The ease with which users can work together and manage multiple sources offers exciting possibilities in applications such as command and control.

The Multi-touch system consists of a sensor and a tracking device that uses lasers from an external strip attached to the top of the cube. This type of technique allows for extreme preciseness and is not sensitive to ambient and internal light sources.

The Multi-touch functionality is available in the (MT) option of the Seventy Series Display Wall Cubes; it can also be added to existing installations of the Seventy Series which is available in 50", 60", 67" and 80" single cube options. The Seventy Series features a wide range of combinations making it very easy to tailor a system to best suit the requirements of a specific project. Multi-touch Display Wall Cubes (MT) provide all the benefits of a high quality display wall solution with the added benefit of a True Multi-touch surface.

Seamless surfaces of any size can be created with (MT), as the interaction acts as one large uniform interactive surface, moving from one cube to the next without the user ever noticing. Multiple users can interact with MT cubes at the same time as the software tracks every user's fingertips allowing for extreme collaboration and control.



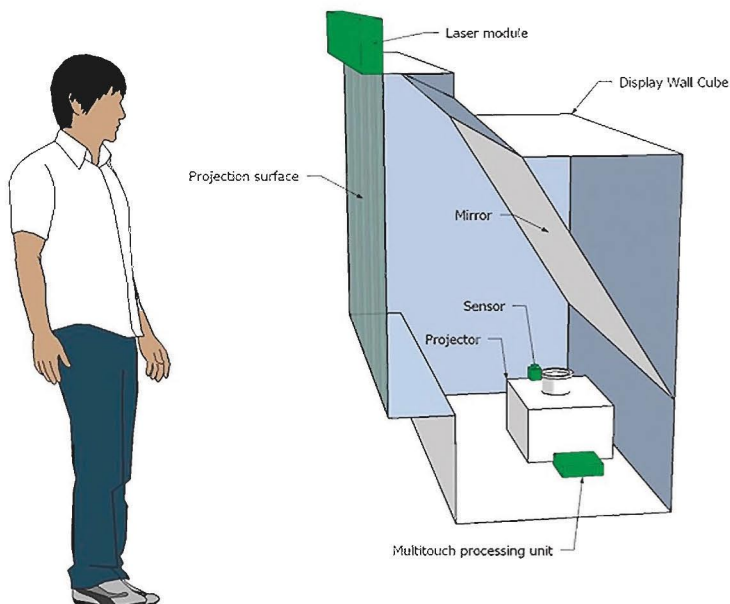
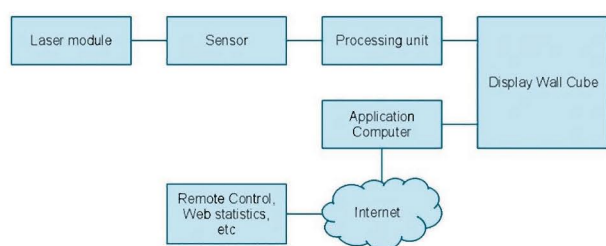
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# Multi-Touch Option

## for Mitsubishi Electric Seventy Series Display Wall Cubes

### Components

Display Wall Cube  
Laser module  
Sensor  
Processing unit  
Application computer



### MT Tracking slave node specifications:

#### Processing Unit

Intel Z530, US15W SCH

Case: 100% aluminium, Die cast body

Dimensions: 101 x 115 x 27mm (4" x 4.5" x 1.05")

Weight: 370 grams / 13 ounces

Power: 12 V single supply (8 w)

#### Laser detector (connects to processing unit)

Micron industrial sensor

Case, mount: Plastic, Aluminium

Dimensions: 24.4 x 44 x 34mm (excluding mount)

Weight: 37g (excluding mount)

Power: 4.75 to 5.25 V (<1 W)

#### Laser module

Anodized laser cut aluminium

Dimensions: [width] x 210 x [depth] mm (width and depth depends on display cube version)

Weight: (depends on display cube version)

Power: 3.2 V (<1 W)

Complies with standards SS-EN 60825-1, SS-MFS 2008:14

Mounts onto existing display cube installations

### MT Tracking master node specifications:

#### Computer minimum requirements

(can be run on application computer)

1.6 GHz Single Core

1 GB RAM

Linux 8.04 / Windows XP

Requires internet connection (for authentication)

#### Multitouch tracking I/O

Simultaneous users: Unlimited

Simultaneous interaction points: Unlimited

Tracking resolution: Different versions available (from Fixed Low Resolutions to Dynamic Resolution Matching)

Tracking refresh rate: Matched to projector refresh rate (60Hz)

#### Application computer specifications:

Depends entirely on application software requirements

#### Application software:

Flash Multi-touch SDK available for licensing

Application development and conversion of existing content available on request.

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New publication, effective March 2010 Specifications subject to change without notice.

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