



# Xtra Slim Laser DLP® Video wall

Freedom Series

Laser Lit  
Intelli-Sense  
Ultra High Brightness  
Xtra Slim Form Factor  
Monitoring & Diagnostics  
IP6X Certified

[www.deltadisplays.com](http://www.deltadisplays.com)

 **DELTA**  
Smarter. Greener. Together.

# Solutions For Every Control Room Application

## Traffic

Delta Video wall solution delivers a reliable, flexible and revolutionary solution that caters to traffic management needs. Delta's 24x7 display solutions enable crucial control rooms to analyze the situation in real time ensuring safety to the commuters.

## Surveillance

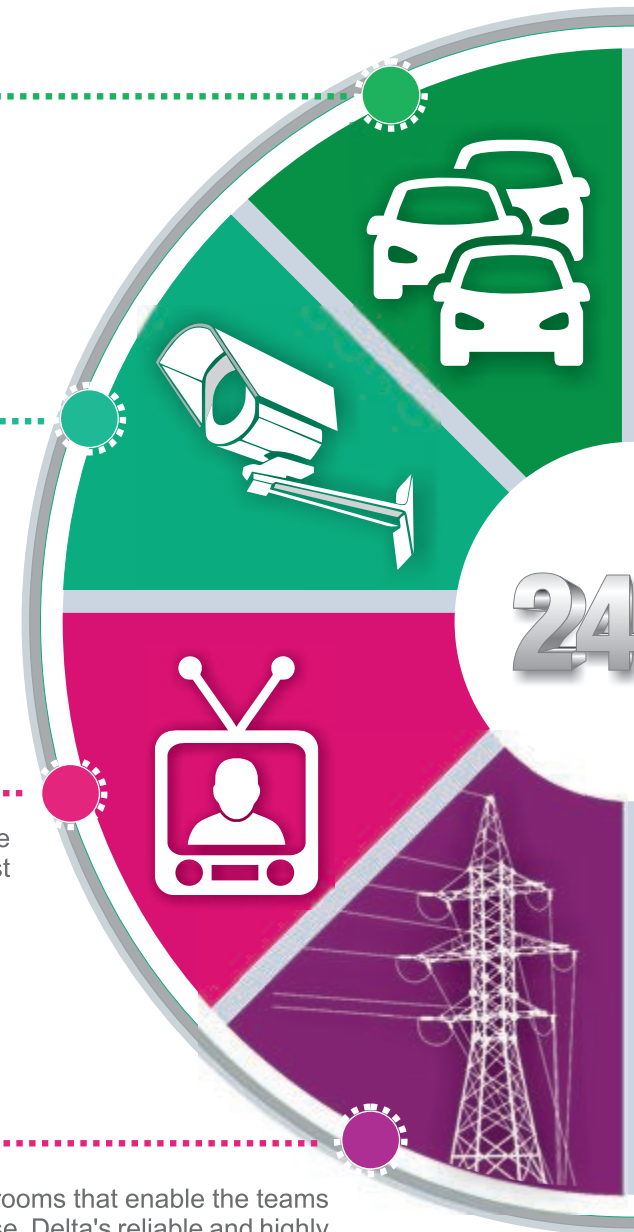
Delta Video wall solutions powered by DLP® technology help operators to monitor, analyze and act on any suspicious activity. With the help of Delta display walls, security officers can keep a round-the-clock vigil on all the movements on sensitive areas and activities.

## Broadcast

Delta's video wall solutions are designed for real and expanding requirements for large scale visualization systems that are ideally suited for over the shoulder display, broadcast monitoring rooms, screening or post-production environments

## Utilities

Delta's display solutions are playing a vital role in setting up utility control rooms that enable the teams working in these fields, to work efficiently with prompt and rationale response. Delta's reliable and highly flexible Video wall solutions help operators to view detailed information.





## Process

Ideal for 24x7 operations, Delta's Video walls enable information sharing and analyzing mission-critical data in real time. The cubes used in all Delta rear projection video walls are powered by DLP technology, generating extraordinary image quality with incredible color depth and contrast.

## Command & Control

Delta DLP® video walls for Command & Control enable the control rooms to analyze the situation in the right frame and respond accordingly.

## Corporate

With various connectivity ports Delta's Next-Gen Video walls help display numerous amounts of data to analyze information effectively

## Telecom

Delta's rich experience in developing key telecom and power products helps it to understand the dynamics and sustainable needs of this application. Delta's Video walls' robust design with the latest in technology ensures redundancy in 24/7 monitoring applications.

Control rooms are the nerve center of any major operation. Whether it's the distribution of electricity, refining of petrochemicals, surveillance of city streets or managing a major disaster, the control room holds the reins of the operation and must have a tight grip on it at all times. To do this effectively, the control room needs clear, precise & accurate information, which typically comes in from a variety of different sources: from CCTV cameras and instrument sensors to regional NOCs and substations. Control rooms simply cannot afford downtime. All this information needs to be continuously monitored, comprehended and acted upon.

Because of their ability to display a vast array of information simultaneously and present it collectively to a wide audience these large high – resolution displays (often known as Video walls) are the backbone of any command and control center. They are vital tools for collaborative monitoring and decision making.



### True Redundancy

Laser DLP® Video wall ensures high levels of redundancy at all levels to ensure the highest Uptime in a 24x7 operating environment.

Light Source Redundancy: Laser light source works in tandem to ensure no image loss/ blank screen due to failure of any laser module.

Power Supply Redundancy: Laser cubes have an option of Hot Swappable and redundant power supplies which ensure high transfer efficiency and reduced power consumption as compared to standard cube.

Display input redundancy ensures that input sources are always connected to the display wall to offer an intervention –free system.







### Lumens Efficiency

Laser DLP® Cube are designed to offer higher lumens efficiency compared to standard LED Cubes.

### Laser Light source

Each display is equipped with multiple laser modules which work in Tandem. All Laser modules are populated with an array of laser diodes resulting in the brightest DLP® Display exceeding 2400 Lumens. Laser DLP® Cubes from Delta achieve  $\geq 98\%$  brightness uniformity creating an industry benchmark.

### IP6X Rated Projection Engines

Standard Cube brightness decays over the operating life due to accumulation of dust particles inside the projection engine.

Laser DLP® Cubes from Delta are equipped with state-of-the-art anti-dust design to ensure extreme of high brightness over its life time.

Industries only IP 6X Certified Projection system.

### intelli-sense

Intelli-sense is an in-built unique and intelligent auto correction system to ensure enhanced system performance and long life without external intervention. This Intelli-sense monitors various parameters of the system and automatically performs real time adjustments to deliver the optimum performance and reliability needed for a 24x7 system.

Intelli-Sense is capable of altering defined users via an active monitoring interface. Actions performed by Intelli-sense can also be observed using the active monitoring interface

# Monitoring, Diagnostics & Control

Delta's Laser DLP® videowall Series are accessible over the IP through browser / server architecture based software tool for monitoring, controlling and diagnostic purpose. This software provides the operator with direct feedback on the status of the system with multiple levels of alarms. Whether it's the number of hours of a Light source or their temperature, the operator will be automatically notified via the predefined alarms.



## Monitoring

- ▶ Lamp status monitoring
- ▶ Message window
- ▶ Alarms
  - ▶ Serious
  - ▶ Warning
  - ▶ Information

## Diagnostics

- ▶ Log file
- ▶ Error / Alarm feedback
  - ▶ Serious
  - ▶ Warning
  - ▶ Information

## Control

- ▶ Switch on/off
- ▶ Virtual Remote Control (VRC)
- ▶ Get/Set cube data
- ▶ Save/Load options
  - ▶ Scheduling options
    - ▶ Daily
    - ▶ Periodically
    - ▶ Sequentially

# Specifications

Xtra Slim Laser DLP® Videowall	
Product Model	DVS-508R/FS, DVS-608R/FS, DVS-708R/FS
Description	Laser Light Source Full HD Cube
Individual Cube Sizes	50",60",70"
Image Size (mm)	1107 x 623, 1328 x 747, 1550 x 872
Display Technology	DLP, single chip
Native Resolution	1920 x 1080
Aspect Ratio	16:9
Screen to Screen Gap	Rear access : 0.2 mm Front access: 0.75 mm
Light Source	Laser
Brightness	Typ. 2400 Lumens
Brightness Uniformity	≥ 98%
Contrast Ratio	Typ. 1800:1
Screen Options	FXS / XPS / CSI / High Gain / Custom
Full Viewing Angle	180 degree
Colors	16.7 million
Color Temperature Range	3200K to 9300K, Custom
Standard Inputs	1 x Digital DVI-I 1 x Digital HDMI 1 x Analog D-sub 15pin 1 x Analog 5BNC (RGBHV or YPbPr)
Standard Outputs	1x Digital DVI-D
Control Options	RS-232 / RS-422, IP, IR

Xtra Slim Laser DLP® Videowall	
Optional Board- I*	Inputs:1 x Digital DVI-D 1 x HDMI 1 x DisplayPort 1 x Analog 5BNC (RGBHV or YPbPr) 1 x Analog S-video
Optional Board- II*	Inputs :1 x Digital DVI-D 1 x 3G-SDI 1 x DisplayPort 1 x Analog 5BNC (RGBHV or YPbPr) 1 x Analog S-video Output : 1 x 3G-SDI
Optional Board- III*	Inputs:1 x Digital DVI-D 1 x HD-baseT 1 x DisplayPort 1 x Analog 5BNC (RGBHV or YPbPr) 1 x Analog S-video
Input Voltage	AC 90~240V@50/60 Hz
Power Supply	Dual Power supply available as an option
Operating Temperature	5°C - 40°C (41° F - 104° F)
Operating Humidity	10%- 90%, non-condensing
Product Dimensions (WxHxD)(mm)	50": 1107 x 623 x 450 60": 1328 x 747 x 490 70": 1550 x 872 x 560
Laser Lamp Life	Eco mode: 100,000 hours Normal mode: 80,000 hours Bright mode: 60,000 hours

Note: \* Only one of the optional boards can be used with standard input / output board.



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