



DLP REAR PROJECTION DISPLAY CUBES

VSI's DLP rear projection display cubes are designed for large-screen display wall systems in control room markets such as traffic control, energy and utilities, security and military, and public emergency operations centers. With its redundant LED light source, you can enjoy outstanding images with unmatched high brightness. Redundancy are designed for high reliability and available which are ideal to meet the demanding requirements of 24/7 applications. VSI provides a large variety of selections in terms of brightness, screen size and screen type, and different display cube thickness to meet the requirements of difference size control rooms and different application.

LARGE VARIETY OF SELECTIONS TO MEET YOUR PERSONALIZED REQUIREMENTS

- » Different cube thickness are selectable. Ultra slim cube minimizes the installation space to provide the same display area
- » Motorized front access cube and rear access cube are available
- » Rich input types to receiving different signal inputs in redundant mode
- » Various options of screen types to provide the most comfortable viewing experience
- » Full range of rear projection resolutions are available



Rear Access
Display Cube



Slim Front Access
Display Cube



Slim Rear Access
Display Cube

BENEFIT OF REDUNDANT LED LIGHT SOURCE

With its redundant LED light source, VSI display cubes provide high brightness and high reliability. The series is designed for an entirely maintenance-free operation over years without replacing consumables. VSI's LED driver adopts intelligent current protection technology which detects the failure of certain LED and maintains the same level of current passing through other LED light source automatically.

Long LED lifetime of 100,000 hours.

Environmentally friendly. No mercury, sodium or other harmful substances.

Durable with low operating costs.

REAL AND COMFORTABLE VISION IN BRIGHT LIGHTING CONDITION

With the super bright display cube, VSI helps you to open the curtain and let the daylight into your control room while maintaining the superb image quality and high reliability.

REMOTE ACCESS AND CONTROL

VSI display cubes provide RS232 control to manage the video wall with Video Wall Management Software. Also, the series comes with the choice of remote controller and user-friendly on-screen menu for easy operation.

THE SCREEN OF YOUR CHOICE

VSI display cube offers several screen options, namely Glass Ultra-high Contrast Screen (GUCS) which consists of an anti-glare protective layer making the screen wear-proof, distortion-free and glistening-free. Also, VSI provides cube with CSI screen from DNP, by which customer can enjoy extraordinary images with higher uniformity of color temperature and brightness across the entire display wall over wider.

HIGH RELIABILITY

VSI display cube ensures no single point of image failure, guaranteed uptime for 24/7 control room operation. The series is available with ultimate redundancy of all critical components including 6x redundancy of LED light sources, redundant power supplies and redundant input ports. With dual power nets design, two independent power inputs are connected to each cube. They guarantee a hot redundant power input will always be available to ensure fail-safe operations. By adopting a powerful signal processing board, a redundant input will immediately take over to recover the image if the main input fails.

A VARIETY OF PRODUCT ATTRIBUTES OPTIONS

Available in a vast variety of screen sizes, resolutions and screen types, VSI's different series video walls are suitable for small, medium and large size control room.

*Non-standard display cubes(e.g., native resolution, size, etc.) are available upon requests.

BENEFIT OF REDUNDANT LED LIGHT SOURCE

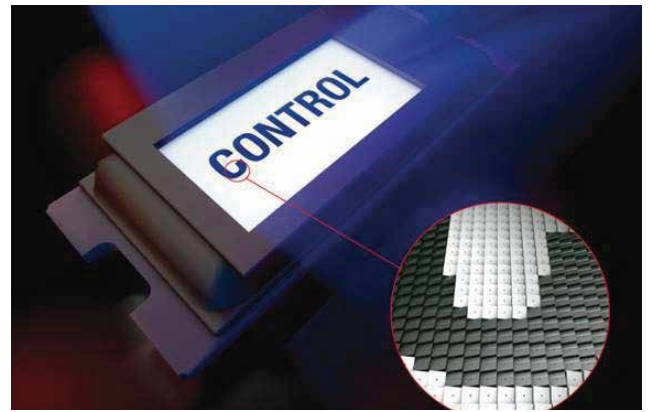
EASY INSTALLATION AND MAINTENANCE

VSI display cube is of easy maintenance by offering:

- » 7-SEG LED indicator on the main control board, system status can be indicated clearly.
- » Hot swappable critical components
- » Electrical alignment adjustment
- » Motorized screen opening mechanism



Electrical circuit driving adjustment



Intelligent control and multiple control device supported



Advance Screen Front Maintenance Mechanism

Screen could be electrically pulling out from the front for easy maintenance. This eliminates the traditional metal hook for pulling, with which it avoids any missing or covered pixel on the display.



Traditional pulling metal piece with 2mm bothering "black dots" between the screens

Slim Version of Video Cube Cabinet

Slim version for both front and rear access video cube are available, their thickness minimized down to 459mm. This save a lot of screen for the control room and increased the floor space efficiency.



VSI's LED-LIT VIDEO CUBE

SPECIFICATIONS

Slim LED-lit Front Access Display Cube

Model	V-SH605	V-SH705
RESOLUTION	1920X1080	
DMD CHIP	0.65" LVDS DMD	
SCREEN SIZE	60 INCHES	70 INCHES
PROJECTOR BRIGHTNESS	1200LM	
CONTRAST RATIO	2200:1	
UNIFORMITY	95%	
LED LIFETIME*1	100,000 HOURS	
SCREEN TYPE	RESIN SCREEN	
VIEWING ANGLE	HORIZONTAL: >160 DEGREES VERTICAL: >150 DEGREES	
HALF GAIN VIEWING ANGLE	HORIZONTAL: 38 DEGREES VERTICAL: 21 DEGREES OR HORIZONTAL: 36 DEGREES VERTICAL: 34 DEGREES	
GAP*2	1 MM	
SCREEN OPENING	MOTORIZED CONTROL	
PROTECTION LEVEL	IP6X	
SIGNAL INPUT	DVIX1, HDMIX1, VGAX1, CVBSX1	
SIGNAL OUTPUT	DVI-D	
CONTROL	RS232 IN(RJ45)X1, RS232 OUT(RJ45)X1 REMOTE CONTROL	
POWER	100-240V / 50-60HZ	
POWER SUPPLY	1+1 REDUNDANT POWER SUPPLY(OPTIONAL)	
POWER CONSUMPTION	180W	
HEAT DISSIPATION	614BTU/H	
WORKING TEMPERATURE	0-35 °C , RECOMMENDED 23+/-5 °C	
WORKING HUMIDITY	30%-80%(NON-CONDENSING)	
PRODUCT DIMENSION	1335MMX750MM×495MM	1548MM×870.5MM×575MM
CERTIFICATE	CE,CB,ROHS,FCC	

Remarks: The above specifications are subjected to change without prior notice.

1. The performance of LED lifetime varies in different actual working conditions.

2. The screen gap varies in different screen types and actual working conditions.

SPECIFICATIONS

Slim LED-lit Rear Access Display Cube

Model	V-SH605R	V-SH705R
RESOLUTION	1920X1080	
DMD CHIP	0.65" LVDS DMD	
SCREEN SIZE	60 INCHES	70 INCHES
PROJECTOR BRIGHTNESS	1200LM	
CONTRAST RATIO	2200:1	
UNIFORMITY	95%	
LED LIFETIME*1	100,000 HOURS	
SCREEN TYPE	RESIN SCREEN	
VIEWING ANGLE	HORIZONTAL: >160 DEGREES VERTICAL: >150 DEGREES	
HALF GAIN VIEWING ANGLE	HORIZONTAL: 38 DEGREES VERTICAL: 21 DEGREES OR HORIZONTAL: 36 DEGREES VERTICAL: 34 DEGREES	
GAP*2	0.5 MM	
PROTECTION LEVEL	IP6X	
SIGNAL INPUT	DVIX1, HDMIX1, VGAX1, CVBSX1	
SIGNAL OUTPUT	DVI	
CONTROL	RS232 IN(RJ45)X1, RS232 OUT(RJ45)X1 REMOTE CONTROL	
POWER	100-240V / 50-60HZ	
POWER SUPPLY	1+1 REDUNDANT POWER SUPPLY(OPTIONAL)	
POWER CONSUMPTION	180W	
HEAT DISSIPATION	614BTU/H	
WORKING TEMPERATURE	0-35 °C , RECOMMENDED 23+/-5 °C	
WORKING HUMIDITY	30-80% (NON-CONDENSING)	
PRODUCT DIMENSION	1335MMX750MM×495MM	11548MM×870.5MM×575MM
CERTIFICATE	CE,CB,ROHS,FCC	

Remarks: The above specifications are subjected to change without prior notice.

1. The performance of LED lifetime varies in different actual working conditions.

2. The screen gap varies in different screen types and actual working conditions.

SPECIFICATIONS

Regular Depth LED-lit Rear Access Display Cube

Model	V-NH605R	V-NH705R	V-NH805R
RESOLUTION	1920X1080		
DMD CHIP	0.65" LVDS DMD		
SCREEN SIZE	60 INCHES	70 INCHES	80 INCHES
PROJECTOR BRIGHTNESS	1200LM		1800LM
CONTRAST RATIO	2000:1		
UNIFORMITY	95%		
LED LIFETIME*1	100,000 HOURS		
SCREEN TYPE	RESIN SCREEN		
VIEWING ANGLE	HORIZONTAL: >160 DEGREES VERTICAL: >150 DEGREES		
HALF GAIN VIEWING ANGLE	HORIZONTAL: 38 DEGREES VERTICAL: 21 DEGREES OR HORIZONTAL: 36 DEGREES VERTICAL: 34 DEGREES		
GAP*2	0.5MM		
PROTECTION LEVEL	IP6X		
WORK NOISE	≤23DB		
SIGNAL INPUT	HDMI,DVI-D,VGA,CVBS		
CONTROL	RS232 IN(DB9)X1, RS232IN(RJ45)X1, RS232OUT(RJ45)X1 REMOTE CONTROL		
POWER SUPPLY	1+1 REDUNDANT POWER SUPPLY(OPTIONAL)		
POWER CONSUMPTION	220W		
HEAT DISSIPATION	750 BTU/H		
WORKING TEMPERATURE	0-35 °C , RECOMMENDED 23+/-5 °C		
WORKING HUMIDITY	30%-80%(NON-CONDENSING)		
PRODUCT DIMENSION	1335 X 750 X755 MM	1548 X 870.5 X 835 MM	1772 X 997 X 875MM
CERTIFICATE	CE,CB,ROHS,FCC		

Note: Front access is available for 60" and 70" upon request.

Remarks: The above specifications are subjected to change without prior notice.

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