



DLP REAR PROJECTION DISPLAY CUBES

SURGO's DLP rear projection display cubes are designed for intelligent visualization systems in control rooms. With high brightness, Redundant LED light source, you can enjoy outstanding images. Redundancy are designed for high reliability and available which are ideal to meet the demanding requirements of 24/7 applications. Variety of selections in terms of brightness, screen size and screen type, and different display cube thickness to meet the requirements of different size control rooms and different application.



BENEFIT OF REDUNDANT LED LIGHT SOURCE

With its redundant LED light source, Surgo display cubes provide high brightness and high reliability. The series is designed for an entirely maintenance-free operation over years without replacing consumables. Surgo'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.

EEnvironmentally 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, Surgo 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

Surgo 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

Surgo display cube offers several screen options, namely Ultra-high Contrast Screen (UCS) which consists of an anti-glare protective layer making the screen wear-proof, distortion-free and glistening-free. Also, Surgo 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

Surgo 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, Surgo'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

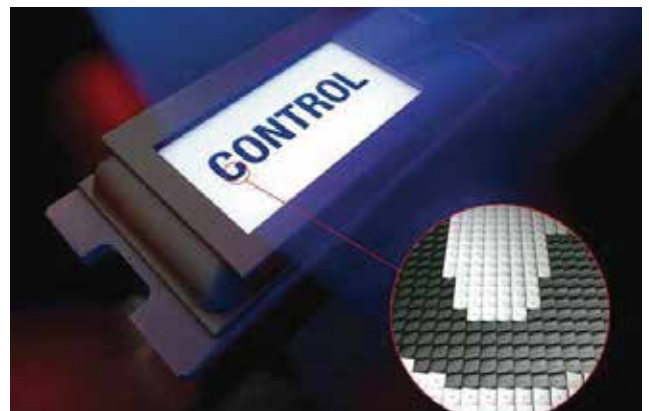
EASY INSTALLATION AND MAINTENANCE

Surgo 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.



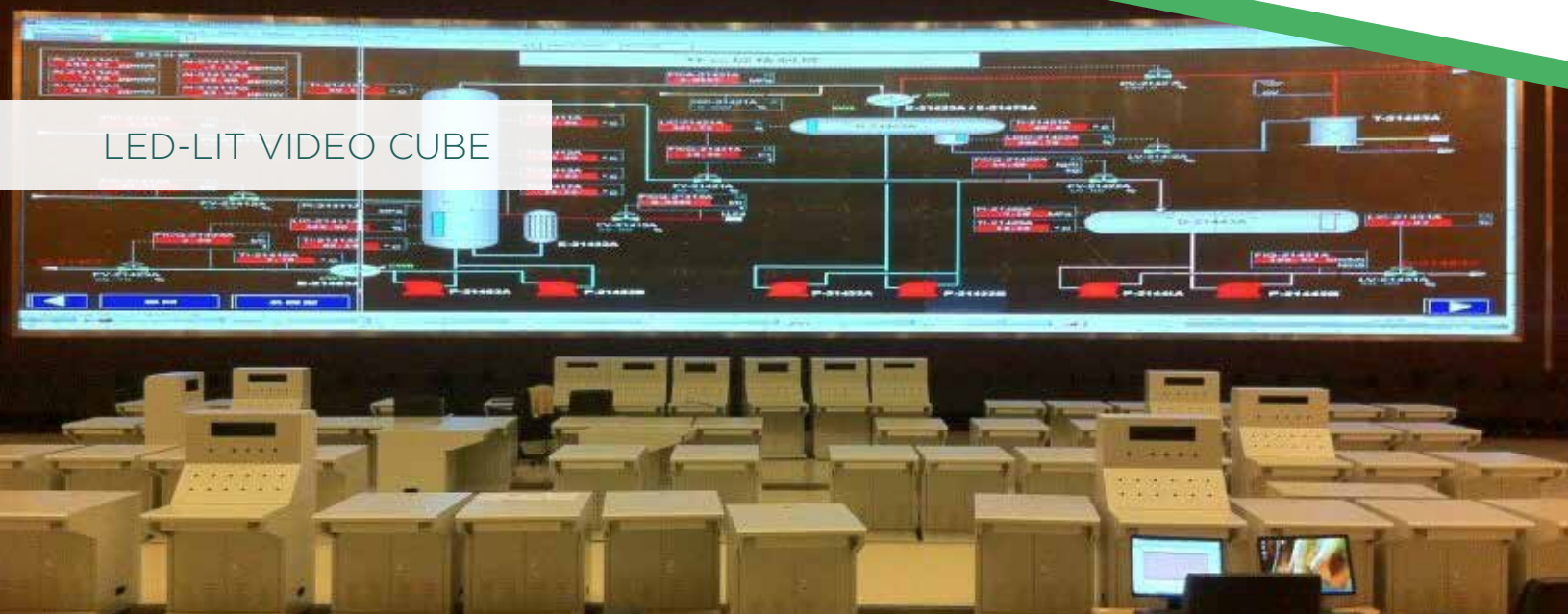
Traditional pulling metal piece with 2mm bothering "black dots" between the screens

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.



LED-LIT VIDEO CUBE



SPECIFICATIONS

Rear Access Display Cube

Model	SurgoV-NH605R	SurgoV-NH705R
RESOLUTION	1920X1080	
DMD CHIP	0.95" LVDS DMD	
SCREEN SIZE	60 INCHES	70 INCHES
PROJECTOR BRIGHTNESS	1200LM	
CONTRAST RATIO	2200:1	
UNIFORMITY	95%	
LED LIFETIME*1	100,000 HOURS	
LED CONFIGURATION	3X6	
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	0.2MM	
PROTECTION LEVEL	IP6X	
SIGNAL INPUT	VGA/DVI-D×2, CVBS×2	
LOOP OUT	DVI-D	
CONTROL	RS232 IN(DB9)X1 , RS232IN(RJ45)X1 , RS232OUT(RJ45)X1,	
POWER SUPPLY	REMOTE CONTROL	
POWER	1+1 REDUNDANT POWER SUPPLY(OPTIONAL)	
	100-240V / 50-60HZ	
POWER CONSUMPTION	BRIGHT MODE: 280W NORMAL MODE: 240W ECO MODE: 180W	
HEAT DISSIPATION	BRIGHT MODE: 955 BTU/H NORMAL MODE: 919 BTU/H	
	ECO MODE: 614 BTU/H	
WORKING TEMPERATURE	0-35 °C , RECOMMENDED 23+/-5 °C	
WORKING HUMIDITY	30%-80%(NON-CONDENSING)	
PRODUCT DIMENSION	1335MMX750MM×768MM	1335MMX750MM×768MM
CERTIFICATE	CCC,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

Super Bright Rear Access Display Cube

Model	SurgoV-NH706R	SurgoV-NH806R
RESOLUTION	11920 X 1080	
DMD CHIP	0.95" DMD, 12° LVDS DARKCHIP	
SCREEN SIZE	70 INCHES	80 INCHES
PROJECTOR BRIGHTNESS	2800LM	
CONTRAST RATIO	2500:1	
UNIFORMITY	95%	
LED LIFETIME*1	100,000 HOURS	
LED CONFIGURATION	4X6	
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	0.2MM	
PROTECTION LEVEL	IP6X	
SIGNAL INPUT	VGA/DVI/HDMI×1,CVBS×1	
LOOP OUT	DVI-D	
CONTROL	RS232 IN(DB9)X1, RS232IN(RJ45)X1, RS232OUT(RJ45)X1,	
POWER SUPPLY	REMOTE CONTROL	
POWER	1+1 REDUNDANT POWER SUPPLY(OPTIONAL)	
	100-240V / 50-60HZ	
POWER CONSUMPTION	BRIGHT MODE: 300W NORMAL MODE: 280W ECO MODE: 220W	
HEAT DISSIPATION	BRIGHT MODE: 1024 BTU/H NORMAL MODE: 955 BTU/H	
	ECO MODE: 750 BTU/H	
WORKING TEMPERATURE	0-35 °C , RECOMMENDED 23+/-5 °C	
WORKING HUMIDITY	30-80% (NON-CONDENSING)	
PRODUCT DIMENSION	1548MM×870MM×835MM	1772MM×997MM×875MM
CERTIFICATE	CCC,CE,CB,ROHS,FCC	

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

SPECIFICATIONS

Slim Front Access Display Cube

Model	SurgoV-TH605F	SurgoV-TH705F
RESOLUTION	1920X1080	
DMD CHIP	0.65" LVDS DMD	
SCREEN SIZE	60 INCHES	70 INCHES
PROJECTOR BRIGHTNESS	1300LM	
CONTRAST RATIO	2200:1	
UNIFORMITY	95%	
LED LIFETIME*1	100,000 HOURS	
LED CONFIGURATION	3X6	
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	
SCREEN OPENING	SOFTWARE CONTROLLED MOTORIZED MECHANISM	
PROTECTION LEVEL	IP6X	
SIGNAL INPUT	HDMI,DVI-D,VGA,CVBS	
LOOP OUT	DVI-D	
CONTROL	RS232 IN(DB9)X1, RS232IN(RJ45)X1, RS232OUT(RJ45)X1	
POWER SUPPLY	1+1 REDUNDANT POWER SUPPLY(OPTIONAL)	
POWER	100-240V / 50-60HZ	
POWER CONSUMPTION	BRIGHT MODE: 250W NORMAL MODE: 220W ECO MODE:180W	
HEAT DISSIPATION	BRIGHT MODE: 853 BTU/H NORMAL MODE: 750 BTU/H ECO MODE: 614 BTU/H	
WORKING TEMPERATURE	0-35 °C , RECOMMENDED 23+/-5 °C	
WORKING HUMIDITY	30%-80%(NON-CONDENSING)	
PRODUCT DIMENSION	1335MMX750MM×495MM	1549MM×871.5MM×570MM
CERTIFICATE	CCC,CE,CB,ROHS,FCC	

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

SPECIFICATIONS

Slim Rear Access Display Cube

Model	SurgoV-TH605R	SurgoV-TH705R
RESOLUTION	11920X1080	
DMD CHIP	0.65" LVDS DMD	
SCREEN SIZE	60 INCHES	70 INCHES
MAINTENANCE	REAR ACCESS	
PROJECTOR BRIGHTNESS	1300LM	
CONTRAST RATIO	2200:1	
UNIFORMITY	95%	
LED LIFETIME*1	100,000 HOURS	
LED CONFIGURATION	3X6	
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	
SCREEN OPENING	SOFTWARE CONTROLLED MOTORIZED MECHANISM	
PROTECTION LEVEL	IP6X	
SIGNAL INPUT	HDMI,DVI-D,VGA,CVBS	
LOOP OUT	DVI-D	
CONTROL	RS232 IN(DB9)X1, RS232IN(RJ45)X1, RS232OUT(RJ45)X1 REMOTE CONTROL	
POWER SUPPLY	1+1 REDUNDANT POWER SUPPLY(OPTIONAL)	
POWER	100-240V / 50-60HZ	
POWER CONSUMPTION	BRIGHT MODE: 250W NORMAL MODE: 220W ECO MODE:180W	
HEAT DISSIPATION	BRIGHT MODE: 853 BTU/H NORMAL MODE: 750 BTU/H ECO MODE: 614 BTU/H	
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CERTIFICATE	CCC,CE,CB,ROHS,FCC	

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