


# Visionpro® C-1500 Series


## Super Bright LED-lit DLP™ Video Wall Cube


Visionpro® C-1500 series is the super bright model of Visionpro® C series. VTRON's Visionpro® C-1500 series has the world's first super high brightness LED-lit DLP™ light engine. It features industry-leading performance with the brightness of up to 1,500 ANSI lumens. Powered by the state-of-the-art super bright LED light source, the video wall delivers exceptional high image quality and performance. The series is incorporating with the highest level of reliability and ultimate redundancy for demanding 24/7 control room operations.

### Super bright LED-lit

With its industry's brightest LED light source, Visionpro® C-1500 series light engine outputs up to 1,500 ANSI lumens. The series is designed for maintenance-free operation over many years without replacing any consumable parts.

 Long LED lifetime of 80,000 hours<sup>1</sup>

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

 Durable with low operating costs. VTRON's LED driver adopts intelligent current protection technology which detects the failure of certain LED and regulates same level of current passing through other LEDs automatically.



### High reliability

The Visionpro® C-1500 series guarantees uptime for 24/7 operation. The series is available with ultimate redundancy of all critical components including redundant LED light source, redundant power supplies and input interfaces. With dual power nets design, two independent power inputs are connected to each cube. They guarantee a hot redundant power input that will always be available to ensure fail-safe operations. With additional SDI or 4K optional board, it can act as a backup input source. In case one of main input source fails, it will immediately take over and recover the display.

### More colourful and vivid image performance

Visionpro® C-1500 series offers wider colour gamut up to 120% NTSC, which results in increasing the exceptional brightness and colours. Thanks to its high colour saturation, the video wall delivers incredible vivid image quality and hence achieves richer visual experience.

### Automatic Colour and Brightness Management (Auto CBM)

With Automatic Colour and Brightness Management (Auto CBM), any changes of colour and brightness of the Visionpro® C-1500 series display cube can be detected automatically with its built-in colour sensors in real-time. The red, green and blue lights can be adjusted individually with its control balance system hence ensuring colour and brightness are uniformed on the entire video wall over the long period of operation.

### VTRON's ISV video processing technology

Thanks to VTRON's Image Sharpness and Vivid (ISV) video processing technology on optional boards that optimising the signal performance of composite/component videos, and S-videos. Hence the Visionpro® C-1500 series offers texture rich and realistic video images with exquisite sharpness and vivid colour.

### Built-in processor on optional boards

VTRON's Visionpro® C-1500 series offers various types of optional input boards. Each optional board is provided with built-in processor to support flexible and direct inputs. The series allows built-in signal synchronisation and unlimited loop-through of signals from cube to cube without any additional signal distribution devices. Images can be displayed simultaneously and picture-in-picture (PIP).

### Easy maintenance

VTRON's Visionpro® C-1500 series is designed for easy maintenance by offering:

- Hot swappable power supplies, fans and optional boards.
- Ability of auto image recovery. The display cube displays vivid video image instantly after replacing the optional boards.
- 7-SEG LED indicator on the main control board, system status can be indicated clearly.

### Cutting-edge cooling system\*

VTRON's Visionpro® C-1500 series is available with VTRON's cutting-edge cooling system which maintains the screen in good condition. The system not only prolongs the lifetime of the LEDs, but also avoids screen distortion, making the screen more robust. Featuring its independent air duct design, the cooling system significantly reduces the noise level. Also, the cooling system is dust-proof which allows the VTRON's video walls to meet the most demanding environments.

### The screen of your choice

VTRON's Visionpro® C-1500 series offers a range of screen options. One of them is Glass Ultra-high Contrast Screen (GUCS). GUCS consists of an anti-reflection protective layer making the screen wear-proof, distortion free and glistening free. Also, VTRON provides CSI screen supplied by DNP Denmark. You can enjoy extraordinary images with higher uniformity of colour temperature and brightness across display wall cubes over wider viewing angle. Also, the screen is designed for great durability with its advanced multilayer structure.

### Remote access and control

The Visionpro® C-1500 series is an Ethernet enabled control system, it provides high flexibility to manage and control the video wall with VTRON's Video Wall Administration Software (VWAS) over the network. Also, the series comes with the choice of remote controller and user friendly on-screen menu for easy operation.

### A variety of options

Available in a wide variety of screen sizes, resolutions, optional boards and screen types, VTRON's Visionpro® C-1500 series video walls suit every small, medium and large sized control rooms.

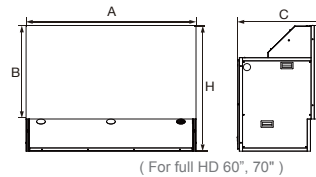
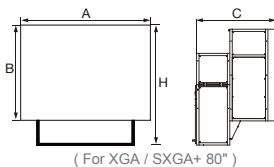
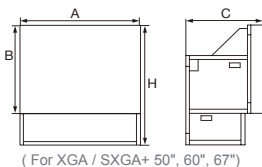
*\*This feature is applicable for particular models.*

# Technical Specifications

Resolution	XGA	SXGA+		Full HD
<b>Operating parameters</b>				
Display technology	DLP™ (0.7" DMD, 14° LVDS Darkchip)		DLP™ (0.95" DMD, 12° LVDS Darkchip)	
Native resolution	1024 × 768	1400 × 1050		1920 × 1080
Lifetime of LED <sup>1</sup>	80,000 hours			
Contrast of projector (typical)	Up to 2,000:1			
Light source	Super bright LED			
Brightness (typical)	Up to 1300 ANSI lumens		Up to 1500 ANSI lumens	
Brightness uniformity (typical)	95%			
Gap <sup>2</sup>	0.2mm - 0.5mm			
Screen	CSI / GUCS / BBAR			
Dust proof	IP5X			
Certifications	CCC, CE, CB, RoHS			
<b>Signal interface <sup>3</sup></b>				
Main control board Option 1: single desktop in	Input (for processor)	Analog RGB	640 x 480-1920 x 1200	HF: 31K-75KHz VF: 59-61Hz Pixel clock: 25M-165MHz
Main control board Option 2: dual desktop in for switch over failure mode	Input (for processor)	Digital RGB	640 x 480-1920 x 1200	HF: 31K-75KHz VF: 59-61Hz Pixel clock: 25M-165MHz
		Digital RGB	640 x 480-1920 x 1200	HF: 31K-75KHz VF: 59-61Hz Pixel clock: 25M-165MHz
2-channel optional board	Input	Video	YCrCb / YPrPb	3BNC x 1
		S-Video	S-Video	x 1
		CVBS	BNC	x 1
		HDMI	HDMI	x 1
	RGB	DVI	DVI-D x 1	HF: 31K-100KHz VF: 23-121Hz Pixel clock: 25M-165MHz
	RGBHV	5BNC	x 1	Pixel clock: 25M-165MHz
4-channel optional board	Input	Video	YCrCb / YPrPb	3BNC x 1
		S-Video	S-Video	x 1
		CVBS	BNC	x 1
		HDMI	HDMI	x 1
	RGB	DVI	DVI-D x 1	HF: 31K-100KHz VF: 23-121Hz Pixel clock: 25M-165MHz
	RGBHV	5BNC	x 1	Pixel clock: 25M-165MHz
4-channel 4K optional board	Input	Video	SDI (main)	BNC x 1
		SDI (redundant)	BNC x 1	SD-SDI, HD-SDI, 3G-SDI
		HDMI	HDMI x 1	Up to 4096 × 2160
		DisplayPort	DisplayPort x 1	Up to 4096 × 2160
	RGB	DVI-D (main)	DVI-D x 1	Up to 4096 × 2160
	DVI-D (redundant)	DVI-D x 1	Up to 4096 × 2160	
SDI optional board	Input	Video	SDI (main)	BNC x 1
		SDI (redundant)	BNC x 1	SD-SDI, HD-SDI, 3G-SDI
		HDMI	HDMI x 1	1080p, 1080i, 720p, 576p, 576i, 480p, 480i
		Sync	Genlock Input	BNC x 1
	Genlock Output	BNC x 1	V Sync	
	Loop output	Digital RGB	DVI-D x 2	
<b>Control and connection port</b>				
RJ45	10/100Mbps			
Remote controller	Optional			
RS232				
<b>Power supply</b>				
Redundant power supply	1+1 hot redundant			
AC voltage	100-240V			
Frequency	50 / 60Hz			
Power consumption (typical)	155-280W			
<b>Working conditions</b>				
Temperature	0-35°C, recommended temp.: 23°C ± 5°C			
Relative humidity	30-80%, non-condensing			

## Physical Parameters

Resolution	XGA				SXGA+				Full HD	
	C-DX507	C-DX607	C-DX677	C-DX807	C-SX507	C-SX607	C-SX677	C-SX807	C-PH607	C-PH707
Screen size (diagonal)	50"	60"	67"	80"	50"	60"	67"	80"	60"	70"
Dimensions (mm)	A	1000	1220	1370	1620	1000	1220	1370	1620	1330
	B	750	915	1028	1215	750	915	1028	1215	748
	C	710	765	810	995	710	765	810	995	750
	H	995	1250	1388	1535	995	1250	1388	1535	988



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 working conditions.  
 3. Optional board can support HDCP.



## VTRON

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