



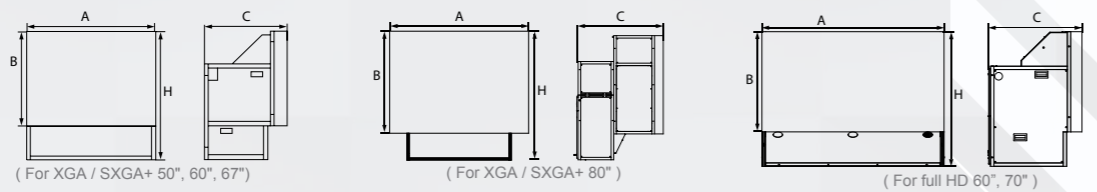
# VISIONPRO® C SERIES LED-lit DLP™ Video Wall Cube

VTRON's Visionpro® C series video wall display cube contributes many large-screen display wall systems in broadcasting studios, 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. The series is designed for high reliability and available with full redundancy which is ideal to meet the demanding requirements of 24/7 applications.



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 x 768	1400 x 1050	1920 x 1080							
Lifetime of LED <sup>1</sup>	80,000 hours									
Contrast of projector (typical)	Up to 2500:1									
Light source	3 x 6 LED									
Brightness (typical)	Up to 900 ANSI lumens	Up to 1200 ANSI lumens								
Projection characteristics	Up to 97% brightness uniformity									
Gap <sup>2</sup>	0.2±0.5mm									
Screen	BBNG / CSI / GUCS									
Dust proof	IP6X									
Certifications	CCC, CE, CB, RoHS									
<b>SIGNAL INTERFACE<sup>3</sup></b>										
Main control board	Input (for processor)	Analog RGB Digital RGB	640x480 – 1920x1200 640x480 – 1920x1200							
4-channel optional board <sup>4</sup>	Input	Video	3BNC x 1 S-Video x 1 NTSC, PAL, SECAM							
		Video	BNC x 1 S-Video x 1 NTSC, PAL, SECAM							
	RGB	HDMI	HDMI x 1 1080p, 1080i, 720p, 576p, 576i, 480p, 480i							
		DVI	DVI-D x 1 5BNC x 1 Pixel clock: 25M – 165MHz							
Loop output	DisplayPort	DisplayPort x 2								
	DisplayPort	DisplayPort x 2								
4-channel 4K optional board	Input	Video	SDI (main) SDI (redundant) HDMI DisplayPort							
		Video	BNC x 1 BNC x 1 HDMI x 1 DisplayPort x 1 Up to 4096 x 2160 Up to 4096 x 2160							
	RGB	DVI-D (main)	DVI-D x 1 Up to 4096 x 2160							
		DVI-D (redundant)	DVI-D x 1 Up to 4096 x 2160							
Loop output	DisplayPort	DisplayPort x 2								
	DisplayPort	DisplayPort x 2								
<b>CONTROL AND CONNECTION PORT</b>										
RJ45	10 / 100M									
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)	290W (bright mode), 200W (normal mode), 140W (eco mode)									
<b>WORKING CONDITIONS</b>										
Temperature	0 – 35°C, recommend temp.: 23°C ± 5°C									
Relative humidity	30 – 80%, non-condensing									
<b>PHYSICAL PARAMETERS</b>										
Resolution	XGA				SXGA+				Full HD	
Model	C-DX505	C-DX605	C-DX675	C-DX805	C-SX505	C-SX605	C-SX675	C-SX805	C-PH605	C-PH705
Screen size (diagonal)	50"	60"	67"	80"	50"	60"	67"	80"	60"	70"
Dimensions (mm)	A	1000	1220	1370	1620	1000	1220	1370	1330	1552
	B	750	915	1028	1215	750	915	1028	748	872
	C	740	770	815	1000	740	770	815	780	795
	H	995	1250	1388	1535	995	1250	1388	988	1172

\* Non-standard inches would be supported according to customers' specifications.



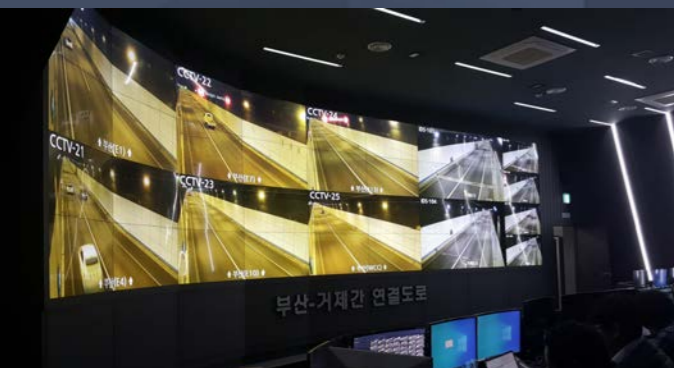
- Remarks: The above specifications are subjected to change without prior notice.**
- 1. The performance of LED lifetime varies in different actual working conditions.**
  - 2. The screen gap depends on configurations and operations environment.**
  - 3. Optional board can support HDCP**
  - 4. Redundant input function and built-in processor function can only be used alternatively.**



# BENEFIT OF REDUNDANT LED LIGHT SOURCE

With its redundant LED light source, the Visionpro® C series provides high brightness up to 1,200 ANSI lumens. The series is designed for an entirely maintenance-free operation over years without replacing consumables.

**Durable** with low operating costs. VTRON'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. **Environmentally friendly.** No mercury, sodium or other harmful substances. **Long LED lifetime** of 80,000 hours<sup>1</sup>



Hall-Integrated CCTV Monitoring Room, Geoje, Korea  
Application: security control and monitoring  
Configuration: 4x9 60" Visionpro® C series



Phoenix Satellite Television Co. Ltd., Hong Kong  
Application: broadcasting  
Configuration: 2x7 50" Visionpro® C series

## HIGH RELIABILITY

The Visionpro® C series 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 optional 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 equipping the display cube with 4-channel or 4K optional board, an redundant input will immediately take over to recover the image if the main input fails.

## REMOTE ACCESS AND CONTROL

The Visionpro® C 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) through the Ethernet. Also, the series comes with the choice of remote controller and user-friendly on-screen menu for easy operation.

## AUTOMATIC COLOUR AND BRIGHTNESS MANAGEMENT (AutoCBM)

With Automatic Colour and Brightness Management (AutoCBM), any change of colour and brightness of the Visionpro® C series display cube can be detected with the built-in colour sensors automatically in real-time. Hence, the red, green and blue lights can be adjusted individually with its control balance system ensuring colour and brightness uniformity over the entire video wall for the long haul.

## VTRON'S ISV VIDEO PROCESSING TECHNOLOGY

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

## BUILT-IN PROCESSOR ON OPTIONAL BOARDS

VTRON's Visionpro® C series offers 2 types of optional boards. Each optional board is provided with built-in processor to support flexible and direct inputs. The series allows built-in signal synchronization 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 series is designed for easy maintenance by offering:

- Hot swappable power supply, fan and optional boards.
- Ability of auto image recovery. The display cube can give you 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 series is available with VTRON's cutting-edge cooling system which maintains the screen in good conditions. The system not only prolongs the lifetime of the LED light source, 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.

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

## THE SCREEN OF YOUR CHOICE

VTRON's Visionpro® C series offers a range of screen options. One of them is Glass Ultra-high Contrast Screen (GUCS). GUCS consists of an anti-glare protective layer making the screen wear-proof, distortion-free and glistening-free. Also, VTRON provides CSI screen available from DNP Denmark. You can enjoy extraordinary images with higher uniformity of colour temperature and brightness across the entire display wall over wider

## A VARIETY OF OPTIONS

Available in a vast variety of screen sizes, resolutions and screen types, VTRON's Visionpro® C series video walls suite very small, medium and large size control room

VISIONPRO® C SERIES

## Accelerating video wall performance from design to the "moment of truth"

Integrated with VTRON's processors and software, VTRON's Visionpro® C series DLP video wall cubes become a comprehensive video wall solution offering the beauty of our 8 key features V8. V8 gives added assurance to our customers that VTRON's video wall solutions accelerate their information sharing, decision-making and offer optimal performance of the control rooms.



Facilitating the Network Collaboration: With Optional **VLinkExpress** and **AppMaster** software, which helps to display the business applications over IP network, user can share the information on the desktop or the console operators over the network easily



Control at your finger tip, VTRON's **VIS software** provides the customer with a portable and visualized control with the hand-held device or any touch screen device. User friendly interface allows users to manage the display easily and instantly.



Dashboard content management using VTRON's **SuperMedia** platform, helps you to organize all the content from different signal source and format, and present them in a decent and precise way. In addition, SuperMedia allows to bind your database to graphic charts helping you visualize your data in real time.



Digicom® Ark3000



Digicom® HC3000



Digicom® AP5000



Digicom® AP2000

Various VTRON's hardware encoders available, allows users to deploy larger scale of the whole display systems easily and flexibly. (You can refer to corresponding data-sheet for different products for details)