RESOLUTION	XGA			SXGA+		Full HD
OPERATING PARAMETERS						
Display technology	DLP™ (0.7" DMD, 14° LVDS Darkchip)			DLP™ (0.95" DMD, 12° LVDS Darkchip)		
Native resolution	1024 x 768			1400 × 1050		1920 × 1080
Lifetime of LED [1]	80,000 hours					
Contrast of projector (typical)	Up to 2,500:1					
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 [2]	0.6mm – 1.5mm					
Screen	BBNG / CSI					
Dust proof	IP5X					
Certifications	CCC, CE, CB, RoHS					
SIGNAL INTERFACE [3]						
Main control board	Input (for processor)	Analog RGB	640x480 – 1920x1200		HF: 31K-75KHz VF: 59-61Hz	
		Digital RGB	640x480 – 1920x1200		Pixel clock: 25M – 165MHz	
4-channel optional board[4]	Input					
	Video	YCrCb / YPrPb	3BNC x 1		1080p, 1080i, 720p, 576p, 576i, 480p, 480i	
		S-Video	S-Video x 1		NTSC, PAL, SECAM	
		CVBS	BNC x 1		NTSC, PAL, SECAM	
		HDMI	HDMI x 1		1080p, 1080i, 720p, 576p, 576i, 480p, 480i	
	RGB	DVI	DVI-D x 1		HF: 31K-100KHz VF: 23-121Hz	
		RGBHV	5BNC x 1		Pixel clock: 25M – 165MHz	
	Loop output					
	DisplayPort		DisplayPort x 2			
4-channel 4K optional board	Input					
	Video	SDI (main)	BNC x 1		SD-SDI, HD-SDI, 3G-SDI	
		SDI (redundant)	BNC x 1			
		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			
	Loop output					
	DisplayPort		DisplayPort x 2			
CONTROL AND CONNECTION PORT						
RJ45	10 / 100M					
Remote controller	Optional					
RS232						
POWER SUPPLY						
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)					
WORKING CONDITIONS						
Temperature	0 – 35°C, recommend temp.: 23°C ± 5°C					
Relative humidity	30 – 80%, non-condensing					

PHYSICAL PARAMETERS

Resolution		XGA		SXGA+		Full HD
Model		CF-DX605	CF-DX675	CF-SX605	CF-SX675	CF-PH705
Screen size (diagonal)		60"	67"	60"	67"	70"
Dimensions (mm)	A	1220	1370	1220	1370	1552
	B	915	1028	915	1028	872
	C	795	820	795	820	803
	H	1250	1388	1250	1388	1172

(XGA / SXGA+ 60", 67")　　　　(Full HD, 70")

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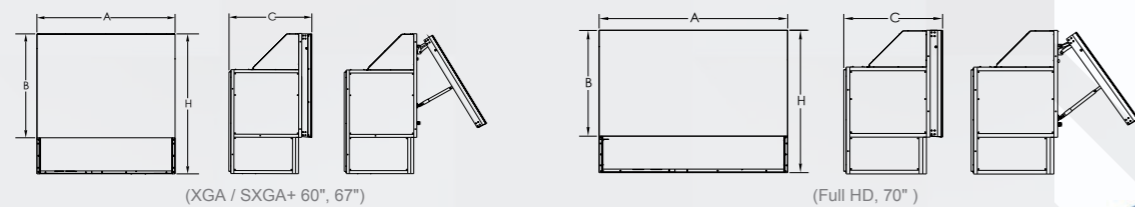
Remarks: The above specifications are subjected to change without prior notice.
1. The performance of LED lifetime varies in different actual working conditions.
2. The screen gap depends on configurations and operations environment.
3. Optional board can support HDCP
4. Redundant input function and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

VSI

VISIONPRO® CF SERIES
Front Access LED-lit DLP™ Vdeo Wall Cube

VTRON Visionpro® CF series is a front accessible rear-projection video wall cube designed for space-saving in small to medium sized control rooms. The screen can be flipped directly to allow full service from the front of the video cube. Visionpro® CF series is built on the core technologies of Visionpro® C series, which comes with redundant LED light source. The series is designed for high reliability and available with full redundancy which is ideal to meet the demanding requirements of 24/7 applications.

VTRON
www.vtron.com

VSI
www.vsi-ltd.com

SGS IAF CNAS
ISO 9001

CCC CE CB RoHS

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1 Trademart Drive, Kowloon Bay, Hong Kong

BENEFIT OF REDUNDANT LED LIGHT SOURCE

With its redundant LED light source, the Visionpro® CF 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. **E**nvironmentally friendly. No mercury, sodium or other harmful substances. **L**ong LED lifetime of 80,000 hours[1]
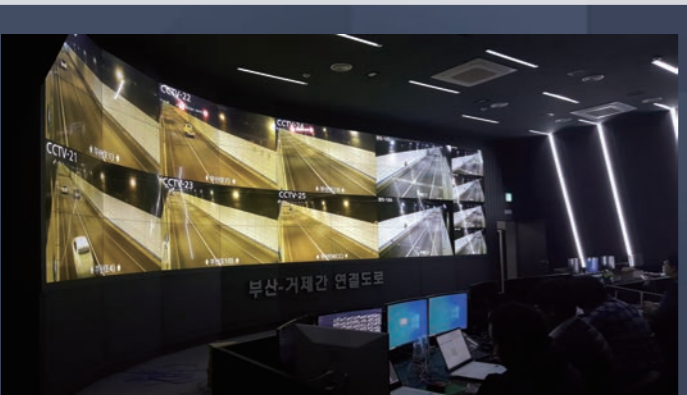
Hall-Integrated CCTV Monitoring Room, Geoje, Korea
Application: security control and monitoring
Configuration: 4x9 60" Visionpro® CF series

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

HIGH RELIABILITY
The Visionpro® CF 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® CF 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.

VISIONPRO® CF SERIES

AUTOMATIC COLOUR AND BRIGHTNESS MANAGEMENT (AUTOCBM)
With Automatic Colour and Brightness Management (AutoCBM), any change of colour and brightness of the Visionpro® CF 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® CF series offers texture-rich and realistic video images with exquisite sharpness and vivid colour.

BUILT-IN PROCESSOR ON OPTIONAL BOARDS
VTRON's Visionpro® CF 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® CF 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® CF series comes 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.

QUALITY SCREENS
Visionpro® CF series is available with 2 types of screens. One of them is the leading 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 viewing angle. Also, the screen is designed for great durability with its advanced multilayer structure.

A VARIETY OF OPTIONS
Available in a variety of screen sizes and resolutions, VTRON's Visionpro® CF series video walls suit every small and medium sized control rooms.

Accelerating video wall performance from design to the "moment of truth"
Integrated with VTRON's processors and software, VTRON's Visionpro® CF 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.

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)

Digicom® Ark3000   **Digicom® HC3000**   **Digicom® AP5000**   **Digicom® AP2000**