VSI

Technical Specifications

Resolution	Full HD			
Operating parameters				
Display technology	DLP™ (0.95" DMD, 12° LVDS Darkchip)			
Native resolution	1920 x 1080			
Lifetime of LED[1]	80,000 hours			
Contrast of projector (typical)	Up to 2400:1			
Light source	3x6 LED			
Brightness (typical)	Up to 2400 ANSI Lumens			
Projection characteristics	Up to 97% brightness uniformity			
Gap[2]	≤ 0.5 mm			
Screen	CSI / GUCS			
Dust proof	IP5X			
Certifications	CCC, CE, CB, RoHS			

Signal interface[3]

Main control board	Input (for processor)	Analog RGB	640 x 480 - 1920 x 1200	HF: 31K - 75KHz VF: 59 - 61Hz
		Digital RGB	640 x 480 - 1920 x 1200	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: 23Hz - 121Hz
		RGBHV	5BNC x 1	Pixel clock: 25MHz - 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	10/100Mbps
Power supply	
Redundant power supply	1+1 hot redundant (optional)
AC voltage	100 - 240V
Frequency	50 / 60Hz
Power consumption (typical)	200 - 450W
Working conditions	
Temperature	0 - 35℃ , recommended temp.: 23 ℃ ± 5 ℃
Relative humidity	30 - 80%, non-condensing

Physical Parameters

Resolution		Full HD		
Model		E-PH607	EE-PH707	EE-PH807
Screen size (diagonal)		60"	70"	80"
Dimensions (mm)	A	1330	1552	1771
	B	748	872	996
	C	780	795	850
	H	988	1172	1366

Full HD 60 & 70"

Full HD 80"

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 screens and actual working conditions.
3. Optional board can support HDCP.
4. Redundant input function and built-in processor function can only be used alternatively.
5. The recommended number of rows for this series is three rows.

VISIONPRO® E SERIES
Super Bright LED lit Full HD DLP™ Video Wall

Visionpro® E Series super bright LED lit full HD DLP™ video wall features industry leading performance with brightness of up to 1800 ANSI lumen. Powered by the latest generation of LED light source, the video wall delivers exceptional high image quality and performance. The series is incorporating with the highest leves of reliability for demanding 24/7 control room operations.
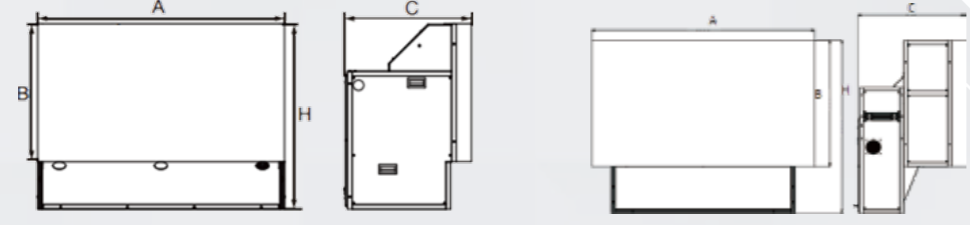

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VTRON'S VISIONPRO® E SERIES

BENEFIT OF REDUNDANT LED LIGHT SOURCE

With its industry's leading LED light source, Visionpro® E Series super bright LED lit full HD DLP™ video wall light engine displays up to 1800 ANSI lumen. The series is designed for an entirely maintenance free operation over years without replacing any consumable parts.

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® E series

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

HIGH RELIABILITY
Visionpro® E Series super bright LED lit full HD DLP™ video wall ensures higher reliability and is suitable of 24/7 operation. This series is with redundant LED light source. By equipping the display cube with 4 channel or 4K optional board. By equipping the display cube with 4 channel or 4K optional board, a redundant input will immediately take over to recover the image if the main input fails.

REMOTE ACCESS AND CONTROL
The Visionpro® E series super bright LED lit full HD DLP™ video wall 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.

SUPER BRIGHNESS
Extra brightness of the display cube is designed for some environment with nature light especially in some contemporary interior design, or some venue where extra brightness is required because the of Special content.

VISIONPRO® E SERIES

AUTOMATIC COLOUR AND BRIGHTNESS MANAGEMENT (AutoCBM)
With Automatic Colour and Brightness Management (Auto CBM), any change of colour and brightness of the video wall 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 uniformity over the entire video wall for the long term.

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 /component videos, and S videos , the video wall offers texture rich and realistic video images with its exquisite sharpness and vivid colour.

BUILT-IN PROCESSOR ON OPTIONAL BOARDS
VTRON's Visionpro® E Series super bright LED lit full HD DLP™ video wall 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 signa l distribution devices. Images can be displayed simultaneously and picture in picture (PIP).

EASY MAINTENANCE
VTRON's Visionpro® E Series super bright LED lit full HD DLP™ video wall 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® E Series super bright LED lit full HD DLP™ video wall 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 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 wall to meet the most demand ing environments.
This feature is applicable for particular models.

PROPRIETARY GUCS SCREEN
VTRON's Visionpro® E Series super bright LED lit full HD DLP™ video wall comes with a standard screen Glass Ultra high Contrast Screen (GUCS). GUCS consists of an anti-glare protective layer making the screen less vulnerable, distortion free, high gain rate, high level of total flatness and is less reactive to the temperautre variable. It is easily maintainable and free from glistening.
*Other screen option are available , please consultat your local representative.

YOU CAN REFER TO CORRESPONDING DATA-SHEET FOR DIFFERENT PRODUCTS FOR DETAILS

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