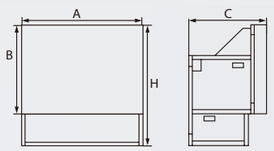
VISIONPRO® E SERIES | TECHNICAL SPECIFICATIONS

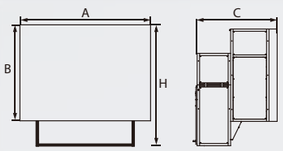
RESOLUTION	XGA		SXGA+	Full HD
OPERATING PARAMETERS				
Display technology	DLP™ (0.7" DMD, 14° LVDS Darkchip)		DLP™ (0.95" DMD, 12° LVDS Darkchip)	
Native resolution	1024 × 768		1400 × 1050	1920 × 1080
Lifetime of LED [1]	80,000 hours			
Contrast of projector (typical)	Up to 2,500:1			
Light source	3 x 6 LED			
Brightness (typical)	Up to 900 ANSI lumens		Up to 1200 ANSI lumens	
Projection characteristics	Up to 97% brightness uniformity			
Gap [2]	0.2mm typical			
Screen	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 Pixel clock: 25M - 165MHz
		Digital RGB	640 x 480 - 1920 x 1200	
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 Pixel clock: 25M - 165MHz
		RGBHV	5BNC x 1	
	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 PORT AND CONNECTION PORT				
RJ45	10 / 100Mbps			
Remote controller	Optional			
RS232				
POWER SUPPLY				
Redundant power supply	1+1 hot redundant (optional)			
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, recommended temp.: 23˚C ± 5˚C			
Relative humidity	30 - 80%, non-condensing			

PHYSICAL PARAMETERS

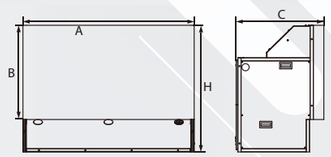
RESOLUTION		XGA				SXGA+				Full HD	
Model		E-DX505	E-DX605	E-DX675	E-DX805	E-SX505	E-SX605	E-SX675	E-SX805	E-PH605	E-PH705
Screen size (diagonal)		50"	60"	67"	80"	50"	60"	67"	80"	60"	70"
Dimensions (mm)	A	1000	1220	1370	1620	1000	1220	1370	1620	1330	1552
	B	750	915	1028	1215	750	915	1028	1215	748	872
	C	740	770	815	1000	740	770	815	1000	780	795
	H	995	1250	1388	1535	995	1250	1388	1535	988	1172



(For XGA / SXGA+ 50", 60", 67")



(For XGA / SXGA+ 80")



(For full HD 60", 70")

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.
5.The recommeded number of rows for this series is three rows

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VISIONPRO® E SERIES VIDEO WALL CUBE

VISIONPRO® HIGH COST PERFORMANCE LED-LIT DLPTM VIDEO WALL CUBE

VTRON's Visionpro® E series video wall display cube is an affordable solution for demanding small-to-medium-sized control rooms.
The series delivers unmatched high brightness, high colour stability, low power consumption and dust proof design.

VTRON'S VISIONPRO® E SERIES

BENEFIT OF REDUNDANT LED LIGHT SOURCE

Visionpro® E series provides high brightness up to 1,200 ANSI lumens with its redundant LED light source. The series benefits from the many advantages of LED including

Durable, high reliability and low operating costs. The Visionpro® E series offers 6x redundancy of LED light sources. Also, the 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 automatically. **E**nvironmentally friendly. No mercury, sodium or other harmful substances. **L**ong LED lifetime of 80,000 hours[1]

Hong Kong MTRC Super OCC : 3X33 80" DLP LED Cube with Digicom ARK Processors

VISIONPRO® E SERIES

High reliability

The Visionpro® E series is available with redundancy of critical components including 6x redundancy of LED light sources, optional redundant input ports and optional redundant power supplies to ensure high reliability operations. By equipping the display cube with 4-channe or 4K optional board, an redundant input will immediately take over to recover the image if the main input fails. By equipping redundant power supplies, 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.

Automatic Colour and Brightness Management(AutoCBM)

With Automatic Colour and Brightness Management (AutoCBM), any change of colour and brightness of the Visionpro® E series display cube can be detected with the built-in optical 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® E series offers texture-rich and realistic video images with exquisite sharpness and vivid colour.

Built-in processor on optional boards

The Visionpro® E 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).

Proprietary GUCS Screen

VTRON's Visionpro® E Series 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.

Remote access and control

The Visionpro® E series is an Ethernet-enabled control system offering high flexibility to manage 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.

Easy Maintenance

VTRON's Visionpro® E series is designed for easy maintenance by offering:

- Hot swappable components including fan, optional redundant power supply 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.

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.

Digicom® Ark3000

Digicom® HC3000

Digicom® AP5000

Digicom® AP2000

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)