

OVERVIEW	FEATURES	VENUE SERIES			
MECHANICAL	Model number	Venue CX6	Venue CX10	Venue CX16	
	Physical pitch (mm)	6,67	10	16	
	Cabinet Material	Aluminum / Stainless Steel			
	Cabinet Surface (SQM)	1,2288		1,0486	
	Standard Cabinet Size (W x H x D mm)	960 x 1280 x 98		1024 x 1024 x 98	
	Cabinet Resolution WxH (pixels)	144 x 192	96 x 128	64 x 64	
	Cabinet Weight (KG)	33		27	
	Cabinet Flatness (mm)	<= 0.2			
	Pixel Density (SQM)	22 500	10 000	3 906	
	Tile Size (mm) W x H	384 x 192 (2x4 per panel)		512 x 256 (2x4 per panel)	
	Tile Resolution (pixels)	88 x 44	72 x 36	64 x 32	
	Pitch Tolerance	0.05mm			
	IP Grade	IP66 (Tiles) IP54 (back control box)			
	TECHNICAL	Voltage	110/277VAC & 50-60HZ		
		LED Type	Standard SMD 2828 CREE (optional Pledco 2727 ODM by Multi Color for DCI-P3 and REC-709)		
Power Supply Unit		Meanwell 4.2V PFC North American version (RSP-320-4)			
Power Supply Redundancy		Optional w/ watchdog service and automatic brightness adjustment (demand / frame)			
Data Line Redundancy		Supported, full redundancy on multi controller network.			
AV-input		All major input supported on our MPU9000 multi processing unit, including HDMI2.0 for HDR support			
Gamma		Dynamic Gamma Single Map 1.8 2.0 2.1 2.2 and custom on independent color			
Operating Humidity Range		0-90%			
Grayscale		16 bit			
Refresh Frequency		>4000HZ on MSB and LSB Grey scale and special proprietary cross scanning technology .			
Brightness Control		100 levels - manual control or scheduler / 256 levels by light sensor (Optional UDP command for external control through TCP/IP)			
White Balance Brightness at 6500K after Calibration.		6000nits after Color and Brightness Calibration and REC-709 Color Gamut			
Operating Temp. Range		-40 to 60 °C			
Scanning Mode		1/5 (Optional 1/3)	1/2 (Optional Static)	Static	
Color Temperature		3200K to 9500K (4 fixed Presets and 1 Custom can be recalled via software/ UDP / Artnet			
Dot Brightness Calibration		Factory standard color and brightness dot by dot, stored-in tiles with auto calibration for easy maintenance. Real time user selectable HD2K or HD4K color space. Self user tile color space adjustment without calibration camera. (API for Color Space camera available)			
Brightness Uniformity		+2%			
Color Calibration		Patented exclusive HD2K or HD4K user selectable with calibration stored in tiles.			
Chroma Uniformity		+- 0.002 (Cx, Cy)			
Frame Rate Hz		50 / 60 / 100 /120 user selectable			
Typical lifetime		>= 100 000 hrs. MTBF 25 000 hrs.			
Maintenance Access		Rear (Front Access Optional)			
Viewing Angle		>= 170 ° x 170 °			
Directivity Angle (viewing angle @ 50% brightness)		140 ° x 140 °			
LED Binning Wavelength		+/- 1.5Nm			
LED Binning Brightness		+2.5%			
MAX Thermal load BTU/h (per cabinet)		965	770		
AVG. Thermal load BTU/h (per cabinet)	320	260			
Control System	MPU9000 (Video encoder)	6 Gigabyte output with full redundancy between controllers, 20-bit color processing, 4k input, up to 8/10/12 bit color depth, scaler, player, matrix 4x4 and all remote controlled by software, or UDP command.			
Power Consumption	Maximum (per cabinet) W	240	285		
	Average (per cabinet) W	708	563		