

FEATURES	INDOOR				OUTDOOR					
Model Name	S1HDR	S2HDR	S3HDR	S4HDR	S3HDR	S6OHDR	S10LHDR	S10HDR	S11HD	S16HD
Structure type	DSM	DSM	DSM	DSM	SM	SM	SM	SM	SM	SM
Physical pitch	1.9875mm	2.48mm	3.9mm	P4.9mm	3.9mm	6.4mm	10.6mm	10.0mm	11mm	16.6mm
Model Number	VF11.98BLTHDR	VF12.48BLTHDR	VF13.9BLTHDR	VF14.9BLTHDR	VFO3.9BLTHDR	VFO6.4LTHDR	VFO10.6LTHDR	VFO10LTHD	VFO11LTHD	VFO16.6LTHD
Tile Material	Magnesium alloy painted					Plastic injection				
Weight per cabinet / Square meter (KG)	< 15Kg / SQM / TBD /According Cabinet to Size					< 17Kg / SQM / TBD /According Cabinet to Size				
Cabinet Surface (SQM)						TBD / Size / Type				
Standard Cabinet Size (WxHxD)						TBD / Size / Type				
Cabinet Resolution WxH (pixels)						TBD / Size / Type				
Cabinet Flatness (mm)	<= 0.1					<= 0.2				
Pixel Density (SQM)	253154	162 000	63 144	40 516	63 144	24 414	8 789	10 000	8 100	3 906
Tile Size (mm) (WxH)	318 x 238.5					384 x 384			400 x 400	
Tile Resolution (pixels)	160 x 120	128 x 96	80 x 60	64 x 48	80 x 60	60 x 60	36 x 36	40 x 40	36 x 36	24 x 24
IP Grade	IP62				IP67					
Voltage	5 - 60 VDC									
LED Type	3 in 1 SMD 1010	3 in 1 SMD 1515 True Black		3 in 1 SMD 2727 Black body				1R 1G 1B DIP 346		
Power Supply Unit	Built in DC/DC converter									
Power Supply Redundancy	Built in Power Backup function with Dual DC/DC									
Data Line Redundancy	Real Time Watchdog Monitoring Data & fault log and pixel check function (optional)									
AV-input	DVI Dual link / HDMI 1.4 - HD4K optional on MDU9000									
Gamma	Dynamic gama table and Dynamic curent drive table .									
Operating Humidity Range	0-90%									
Grayscale	20 bit				16 bit (Optional 20 bit for HD4K)					
Refresh Frequency	4000HZ on MSB and LSB Grey scale and special proprietary cross scanning technology									
Brightness Control	100 levels by 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	1200 nits	1500 nits			6500 nits (Increase Optional)				7500 nits (Increase Optional)	
Operating Temp. Range	-30 to 65°C									
Scanning Mode	24.sty	1/16	1/8		1/4		1/2 Cross Scan			
Color Temperature	3200K to 9500K (4 fix Presets and 1 Custom)									
Dot Brightness Calibration	Using Radian Camera, stored in tiles with auto calibration for easy maintenance. Real time user selectable HD2K or HD4K color space. Self user tiles color space adjustment without calibration camera.									
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 optional 240 and 3D active processing									
Typical lifetime	>= 100 000 hrs									
Maintenance Access	Rear (Front Access Optional)									
Viewing Angle	>= 170° x 170°									
Directivity Angle (viewing angle at 50% brightness)	140° x 140°									
LED Binning Wavelength	+/- 1.5Nm									
LED Binning Brightness	+/- 2%									
MAX Thermal load BTU (per cabinet)	127				300					
AVG. Thermal load BTU (per cabinet)	42				100					
LDU2800-8000-9000 (Video encoder)	2-4-6 GB output with full redundancy between controllers , 20bit color processing , Support UHD HDR 10. 4:4:2 (Optional Offline player built in, NTCIP, Artnet)									
Maximum (per cabinet) W/h	125				294					
Average (per cabinet) W/h	42				98					