

FEATURES	INDOOR			
Model Name	S1HDR	S2HDR	S3HDR	S4HDR
Structure type	DSM	DSM	DSM	DSM
Physical pitch	1.9875mm	2.48mm	3.9mm	P4.9mm
Model Number	VFI1.98BLTHDR	VFI2.48BLTHDR	VFI3.9BLTHDR	VFI4.9BLTHDR
Tile Material	Magnesium alloy painted			
Weight per cabinet / Square meter (KG)	< 15Kg / 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			
Pixel Density (SQM)	253154	162000	63144	40 516
Tile Size (mm) (WxH)	318 x 238.5			
Tile Resolution (pixels)	160 x 120	128 x 96	80 x 60	64 x 48
IP Grade	IP62			
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
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			
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 TCPIP)			
White Balance Brightness at 6500K after Calibration	1200 nits	1500 nits		
Operating Temp. Range	-30 to 65°C			
Scanning Mode	1/24	1/16	1/8	
Color Temperature	3200K to 9500K (4 fix Presets and 1 Custom)			
Dot Brightness Calibration	Using Radian Camera, stored In files 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			
AVG. Thermal load BTU (per cabinet)	42			
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			
Average (per cabinet) W/h	42			