



VATION multi-signal matrix switch

VATION MAX

Advanced bandwidth, high reliability and easy maintaining
broadcast-matrix.



VATION MAX

1. Dual redundant backup power supply;
2. Front hot plug-board structure ;
3. Integrating remote panel for multistage cascade control ;
4. Supporting field flyback switch;
5. Power failure memory;
6. Advanced bandwidth RGB(350MHz) and Video(150MHz);



VATION Matrix

Signal format	
Signal format	RGBHV, RGBS, RGsB, RsGsBs, YUV, Video
Video Setting	Stereo audio(balanced, unbalanced)
Video signal features	
Band width	150MHz to 350MHz (-3dB) full load
Connecting type	BNC
Standard electric level	1Vp-p
Maximum Level	0.5 to 2.0Vp-p
Impedance	75Ω
Gain	0dB
Gain stabilization	< ± 0.1dB
Frequency response	< ± 0.1dB to 6MHz
SNR	70dB (un-weighted)
K-factor	<0.25%
Differential gain	<0.05%(10 to 90%APL)@4.43MH
Differential phase	<0.1° (10 to 90%APL)@4.43MHz
Reflection loss	>40dB 4.43MHz
Crosstalk	<-66dB@4.43MHz
Switch rate	200ns
Path difference	< ± 0.1° @4.43MHz
Color/Brightness Gain	< ± 0.15%
Color/Light Inequality	< ± 2ns
Input electric level:	TTL level/high resistance
Output electric level:	TTL Level/33ohm
Audio Feature	
Connecting type	3pin Equilibrium/Un-equilibrium
Electric level	+20dBu max
Input electric level	High resistance
Common mode Rejection	>60dB 20Hz to 20KHz
Audio bandwidth	20Hz to 50KHz
Gain	Balanced audio
Gain stabilization	< ± 0.1dB
Frequency response	
Noises	<-85dB(20KHz weighted, RMS)
Crosstalk	<-90dB classical value to 20KHz
General interface	
Dimension 19" Size	(482.6mm)\1U Height(44mm)\D(350mm) (482.6mm)\3U H(132mm)\D(240mm) (482.6mm)\6U H(264mm)\D(380mm)
Serial port	RS-232,9pin interface,2-RX,3-TX,no parity bit
Optional serial port	TCP/IP,RS 422,RS485
Power Supply	100/240V/AC; 50/60HZ