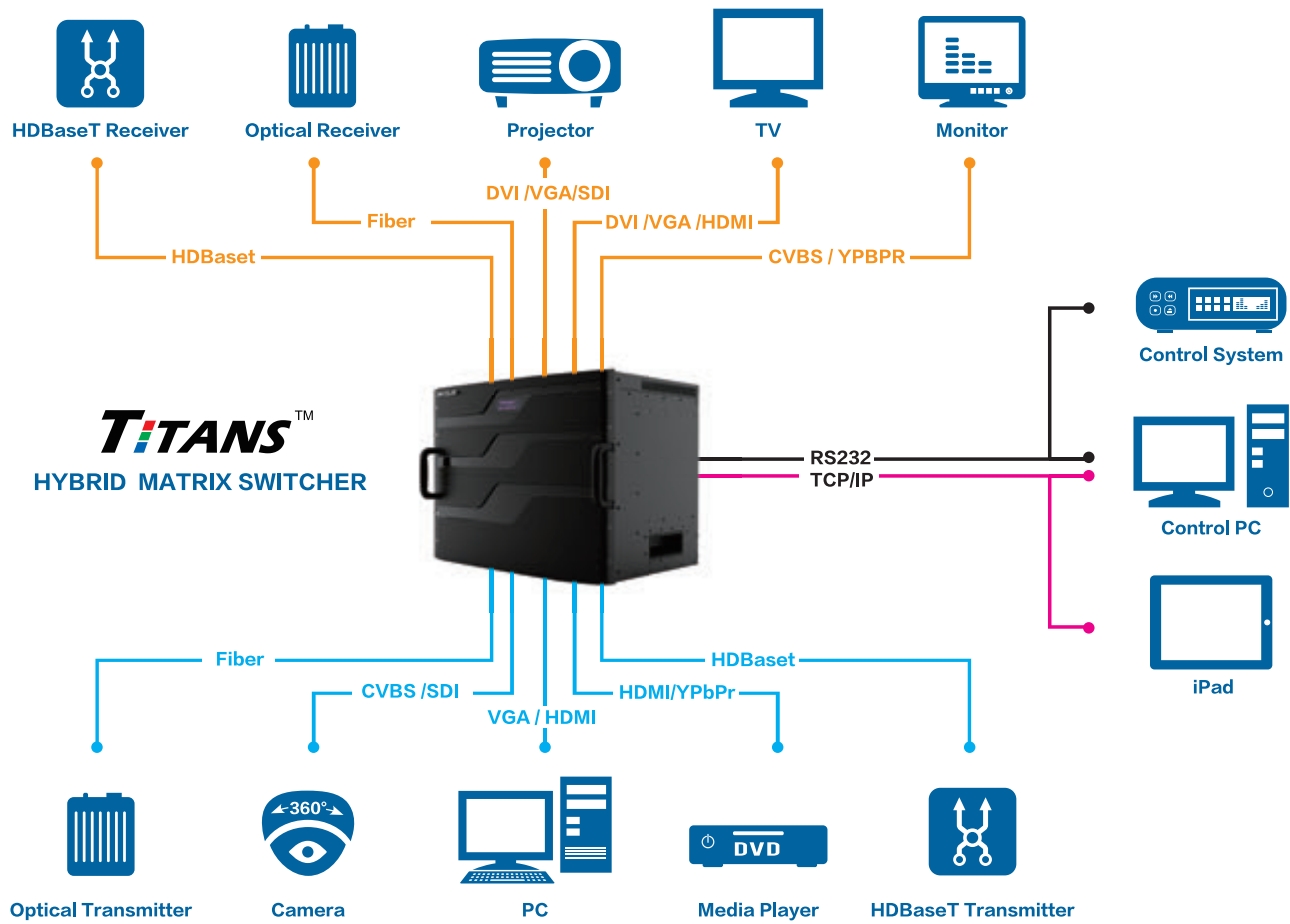




TITANS[™] HYBRID MATRIX SWITCHER

TITANS[™] Hybrid Matrix Switcher is a high-performance video signal switcher. Based on the idea of pure hardware architecture design, it takes the advantages of large-capacity and high-speed FPGA and CROSSPOINT switching technology to achieve the hybrid input and output of variety types of digital and analog signals. It can be deployed in fields such as conference room, security controlling, control room.

TITANS™ System diagram



HYBRID MATRIX SWITCHER

TITANS™ Hybrid Matrix Switcher can convert ALL video signal to ANY format.
It is the CORE DEVICE in a complicated signal system.

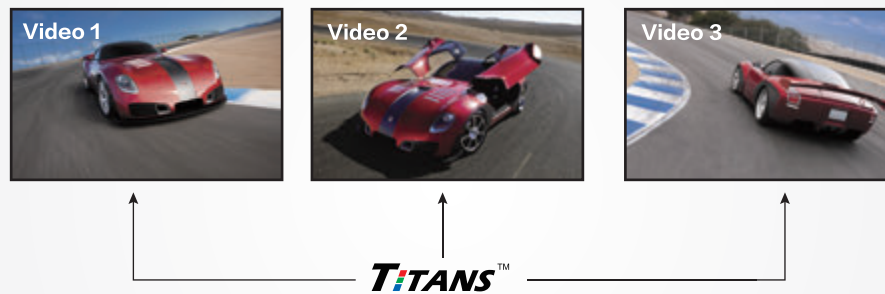
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FEATURES



Resolution Matching

With built-in scaling, the resolution of each output channel can be set separately, which ensure all displays getting the recommended resolution.



Character Superimposition

Titans Hybrid Matrix Switcher allows users to add a textbox upon the corner of signal which makes it easier being identified.



- Modular Design
- Hybrid I/O Boards Options
- Hot Swappable I/O Card
- Nano-sec Switching Interval
- Pre-sets Management
- EDID Configuration

SPECIFICATIONS

Inputs		Outputs			
Signal Format	RGBHV/YPbPr	Signal Format	Composite Video		
Physical Connector	15 pin D-sub(DB15/DE-15F)/ Female	Physical Connector	BNC/Female		
Maximum Resolution	1920 × 1200@60Hz	Resolution	720 × 576 (PAL) 720 × 480 (NTSC)		
Impedance	75 Ω	Impedance	75 Ω		
Reference Level	0.7 Vp-p	Reference Level	1 Vp-p		
Signal Format	Composite Video	Signal Format	YPbPr Component EIA-770.2-A		
Physical Connector	BNC/Female	Physical Connector	RCA		
Maximum Resolution	720 × 576 (PAL) 720 × 480 (NTSC)	Maximum Resolution	720 × 576 (PAL) 720 × 480 (NTSC) ,1280*720 ,1920x1080		
Impedance	75 Ω	Impedance	75 Ω		
Reference Level	1 Vp-p	Reference Level	1 Vp-p		
Signal Format	DVI-D digital T.M.D.S. signal in DVI 1.0	Signal Format	DVI-I / VGA		
Physical Connector	24+5 pins/DVI-I	Physical Port	24+5 pins DVI-I/Female		
Maximum Resolution	1920 × 1200@60Hz	Maximum Resolution	1920 × 1200@60Hz		
Impedance	75 Ω	Signal Level	T.M.D.S. 2.9V~3.3V		
Reference Level	T.M.D.S 2.9V~3.3V	Maximum Distance	15m		
Signal Format	HDMI 1.3	Signal Format	HDMI 1.3		
Physical Connector	HDMI Type A	Physical Connector	HDMI Type A		
Maximum Resolution	1920 × 1200@60Hz	Maximum Resolution	1920 × 1200@60Hz		
HDCP	YES	HDCP	YES		
Maximum Data Rate	4.95Gbps	Maximum Data Rate	4.95Gbps		
Signal Format	SDI SMPTE 259M/292M/424M	Signal Format	SD/HD/3G-SDI SMPTE 259M/292M/424M		
Physical Connector	BNC/Female	Physical Connector	BNC/Female		
Maximum Resolution	1920x1080p	Maximum Resolution	1080p@60Hz		
Impedance	75 Ω	Impedance	75 Ω		
Loop Through	Yes	Loop Through	Yes		
Signal Format	HDBaseT	Signal Format	HDBaseT		
Physical Port	Rj45/Female	Physical Port	Rj45/Female		
Maximum Resolution	1920*1200@60Hz	Maximum Resolution	1920*1200@60Hz		
Maximum Distance	100m	Maximum Distance	100m		
Front-end Device	HDBaseT Transmitter	Front-end Device	HDBaseT receiver		
Signal Format	Optical Fiber	Signal Format	Optical Fiber		
Physical Connector	LC	Physical Connector	LC		
Maximum Resolution	1080p@60Hz	Maximum Resolution	1080p@60Hz		
Maximum Distance	5km	Maximum Distance	5km		
Front-end Device	TRIF-HFT-500-TX	Front-end Device	TRIF-HFT-500-RX		
Device Management					
Ports	Ethernet	100M/1000M Base-T Ethernet			
	Serial Port	RS-232			
Software	Tricolor Management Software (Commanding protocols is available for secondary development)				
Operating Range					
Operating Temperature	0~40° C / 32~104° F				
Storage Temperature	-10~60° C / 14~140° F				
Humidity	10~90%				
Chassis					
Size	I/O	Dimension(mm) W x H x D	Power Consumption		
2U	8 x 8	482 x 88 x 380	100~250V AC, 50/60 Hz, <150W		
4U	16 x 16	482 x 175 x 380	100~250V AC, 50/60 Hz, <200W		
8U	32 x 36	482 x 352 x 380	100~250V AC, 50/60 Hz, <450W		
14U	64 x 72	482 x 620 x 380	100~250V AC, 50/60 Hz, <750W		
28U	128 x 144	482 x 1240 x 380	100~250V AC, 50/60 Hz, <900W		