

# Stream Manager

**Synectics' IP Stream Manager controls the data traffic of multiple IP video streams across LANs/WANs and onto network attached storage systems. It can also provide optional redundant video data storage for maximum fail-safe reliability.**



Synectics Stream Manager is an enterprise class data transmission appliance which ensures high IP video data throughput to network-based (NAS/SAN) storage arrays. Stream Manager offers dual hot swap power supplies and dual gigabit network connections to ensure optimum resilience and up time.

Compatible with SD, HD and megapixel IP camera and encoder sources, Stream Manager allows engineers to centrally configure and manage each individual

video stream's frames per second, image resolution, and/or data rate. Streams can be configured for real time or time lapse frame rates.

Stream Manager also monitors the performance of each networked storage server with Synectics' automated diagnostic Watchdog system. Stream Manager verifies that each recorded video stream is authenticated to 256-bit using SHA-2 hashing. This ensures that exported or replicated video is identical to the original source data and can be validated throughout its evidential life.

While Stream Manager's primary role is to reliably route video data across IP networks to designated NAS/SAN storage arrays, it can also be configured with up to four internal hard drives to provide redundant onboard storage for maximum data availability. Stream Manager can also be configured to reroute video data to alternative networked storage arrays if and when available.

# Specifications

IT ARCHITECTURE				
O/S	Microsoft Wes7			
PORTS				
USB	2 Rear, 1 Front			
Ethernet	2 x 1000BT NIC's Teamed			
Display	1 x VGA			
PS2	1 x Keyboard 1 x Mouse			
APPLIANCE FUNCTIONALITY				
Lockable Front Panel	Yes			
Synectics Advanced Health Monitor	Yes			
Quick Lock Rack Kit	Yes			
Advanced Out-Of-Band Remote Management Service including IP-KVM	Yes			
SNMP Alarms	Yes			
POWER				
Hot Swap PSU	Yes			
Power Consumption	Max 250w / Normal 110w			
Power Requirements	110 – 240VAC			
BTU's	Max 854 per Hour			
NETWORK OPTIONS				
	1 Link	2 Links (Data Connections)	2 Links (Dedicated Management Port)	3 Links
1 x 10/100/1000BT	✓		✓	
2 x 10/100/1000BT		✓		✓
Out of Band Management Connection	✓	✓	✓	✓
Dedicated Management Connection			✓	✓
Adapter Fault Tolerant		✓		✓
Switch Fault Tolerant		✓		✓
Adaptive Load Balancing		✓		✓
Static Link Aggregation		✓		✓
Dynamic Link Aggregation		✓		✓
GENERAL				
Size (H x W x D)	1u 45 mm x 430 mm x 700 mm / 1.7" x 17" x 27.5"			
Weight	1u 6 kg / 13 lb			
Operating Temperature	18°C-21°C Recommended, Max 26°C			
Storage Temperature	-20°C-+80°C			
Humidity	5% to 90% Non-Condensing, 40% Recommended			
Certifications and Approvals	RoHS Compliant EMI/EMC Certification TUV and UL			