Synectics Web Server
Multi-Channel Video Transcoder with Combined Web Server

Synectics Web Server provides secure remote access to IP video footage from Synectics Recording Management System through PC, mobile phone and tablet devices.

With a standard web browser and log in credentials, users can view live streams from selected cameras, retrieve video from specified time periods and/or control PTZ movement. Synectics Web Server can transcode and transmit up to 24 independent live or recorded streams with up to 24 simultaneous users at a time.

When bandwidth is limited, video frame rate, resolution and picture quality can be stepped down for optimized playback performance. This ensures users will have access to critical video, if and when connectivity is constrained.

Web Server can be viewed on mobile and tablet platforms including iOS, Android and Microsoft Windows.

Users can select cameras via a dropdown menu to view live and recorded footage on web-enabled mobile phones or tablets.

Features
• Authorized remote users can access live or recorded video through an Internet browser
• User-selectable video quality and frame output to accommodate low bandwidth connections
• Transcodes all Synectics video products and an extensive range of third-party IP video providers
• Configurable permissions and accounts ensure controlled access

Benefits
• User activity auditable from the main control room through Synergy
• Simultaneous access for up to 24 users
• Visually verify alarms from remote sites reducing the number of call outs for false alarms
• Stream control room footage to users at offsite events for a comprehensive security overview
• Monitor multiple sites remotely with low-cost internet access
• Provides access to system footage from outside of the control room for remote management
### Specifications

#### IT ARCHITECTURE
- **O/S**: Microsoft Windows Server 2016

#### PORTS
- **USB**: 3 x USB 3.0 (1 Front, 2 Rear)  
  2 x USB 2.0 (2 Rear)
- **Ethernet**: 2 x 10GbE NIC’s, teamable. 1 GbE connection required for operation.
- **Display**: 1 x VGA

#### 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 300w, Normal 140w
- **Power Requirements**: 110 – 240VAC
- **BTU’s**: Max 1025 / Hr

#### GENERAL
- **Size**: 1U – 45 mm x 430 mm x 700 mm / 1.7” x 17” x 27.5”
- **Weight**: 6 kg / 13 lb
- **Operating Temperature**: 18°C - 30°C (64°F - 86°F) recommended. Maximum normal operating temp 35°C (95°F).
- **Storage Temperature**: -20°C - 80°C (-4°F - 176°F)
- **Humidity**: 5% to 90% Non-Condensing, 40% Recommended
- **Certifications and Approvals**: RoHS Compliant, EMI/EMC Certification, Other Certification Pending