

Y6OS Software Data Sheet

Direct-to-Cloud Physical Security



YourSix is an award-winning provider of serverless Physical Security as a Service (PSaaS). Our Y6OS is the true cloud platform that combines surveillance, access control, audio, sensors, artificial intelligence, and monitoring to deliver a unified solution for operational intelligence and physical security.

YourSix remains dedicated to innovation, reshaping the industry with its open standards-based framework, strong cyber security protocols, and continuous advancements driven by machine learning and artificial intelligence.

Easy

- No software to maintain
- Flexible solution with unlimited scale
- Securely manage all devices from anywhere
- Limited on-premise equipment
- Add devices and users in seconds

Reliable

- No single point of failure in an onsite appliance/server
- Redundant infrastructure guaranteed with an SLA of 99.99% uptime
- Redundant architecture allowing customers to record how they want, when they want

Comprehensive

- Complete end-to-end solution including video, access, audio, sensors, and analytics
- 100's of endpoint device options including cameras, video door stations, speakers, sensors, radars, strobes

Proactive

- Actionable, real-time insights
- Automated Device Management including:
 - Y6OS Patching (new features/security updates)
 - End-point/device firmware updates & patching

Intended Audience: All audiences

Compatible Products	
Vendor Support	Devices from Axis Communications
Device Support	Axis devices, actively supported by AXIS OS, that meet the minimum firmware requirements specified on yoursix.com. Supported Axis devices include network cameras, speakers, door controllers, video door stations, intercoms, recorders, and systems devices.
Door Controllers	Axis A1210, A1610, and A1601 models that comply with the minimum firmware requirements outlined on yoursix.com.
Analytic Support	Axis edge based analytics. Please refer to the documentation available at Yoursix.com.

Live Video	
Video Compression	H.264 (MPEG-4 Part 10/AVC) with AXIS Zipstream
Streaming	Cloud; Peer-to-peer
Resolutions	Live View: Device dependent up to 4K Recordings: - Cloud: up to 720p or equivalent - Edge: up to 4K
Frame Rates	Live View: - Remote: Up to 8fps - Direct/P2P: Up to 8fps Recording: - Cloud: Up to 8fps - Edge: Up to 30fps

Audio	
Audio Streaming	Two-way (product dependent)
Audio Compression	AAC (product dependent)
Audio Recording	Optional
Legal	Live and recorded audio can be disabled to conform to local legal requirements.

Intended Audience: All audiences

Sensors	
Sensors Support	Native Sensors (AXIS D63) and Modbus RTU via AXIS A9210
Native Sensors	Sensor functionality runs directly on a supported device and communicates with Y6OS
Modbus Sensors	Modbus device/server connects to a gateway such as the AXIS A9210 Protocol: Modbus RTU
Supported Measurements	Based on sensor capability
Events	Event notifications based on minimum and maximum threshold exceeded

Access Control	
Controller Support	Axis A1210, A1610, and A1601 models that comply with the minimum firmware requirements outlined on yoursix.com.
Reader Support	Weigand or OSDP V2
Credentials	Cards/fobs transmitting at 13.56MHz (Recommended) and 125kHz frequencies; PIN entry Mobile: Bluetooth on iOS
Credential Data Format	Hexadecimal (should follow the same order as the data is read by the reader)
Identities	Max of 10,000 per organization
Authentication Methods	Card-only, Card + PIN, and Request-to-Exit (REX)
Live Controls	Remotely lock, unlock, or grant access to barriers directly from the YourSixOS platform
Time-Based Access	Daily access permissions using weekly schedules and exceptions
Real-Time Alarming	Barrier forced open, barrier held open too long, access granted, access denied
Event Notifications	Access granted/denied, alarm events, and changes in barrier status (e.g., locked, unlocked, accessed)

Intended Audience: All audiences

Events	
Source	Devices including individual devices, device groups, or all devices at a site(s).
Events	Events based on video analytics, audio detection, tampering, access, peripherals, sensors, device health.
Event Schedule	Notifications based on a configurable weekly schedule.
Video Analytics	Axis Communications edge based analytics. Please refer to the documentation available at Yoursix.com.
Recipients	Platform users, organization emails, webhooks, central stations
Delivery Methods	Email, mobile push, webhooks
Event Recordings	Continuous, schedule based, and ACAP trigger based
Logs	Alarms, events (video analytics, audio detection, tampering, access, peripherals, sensors, device health)

Storage	
Cloud Storage	Available packages: 7/14/30/60/ 90/120/180/365/730 days of retention
Edge Storage	Retention is based on available storage. The retention capacity varies depending on factors such as scene type, activity, and recording configuration.
Edge Storage Devices	For details on supported edge storage devices and media, please visit yoursix.com or contact your Y6 sales representative.
Credential Data Format	Hexadecimal (should follow the same order as the data is read by the reader)

Intended Audience: Authorized account administrators

User Interface

Languages	English. Other languages upon request. (NRE plus maintenance fee)
User Interface	Web Based

System Requirements

Web Browser Requirements	Google Chrome™ (latest), Firefox® (latest), Microsoft Edge (latest)
Operating System Requirements	Microsoft Windows® 11, 10 or 8.1. macOS (latest) (Not supported beyond Microsoft End of Mainstream Support)

System Scalability

Customer Accounts	Unlimited
User Per Account	Unlimited with individual permissions <i>*Fair use policy applies</i>
Sites Per Account	Unlimited <i>**Performance based on viewing station capabilities</i>

System Integration

Application Programming Interface	HTTPS-based API for software integration (e.g. central stations) YourSix APIs are available only for select application integrations where YourSix deems it necessary.
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Device Communication

Device Connectivity	AXIS One-Click Connection; Devices utilize ports 443 and DNS; Outbound UDP traffic on ports 30000-40000 for WebRTC; Basic proxy supported. Whitelisting the FQDNs listed on yoursix.com is necessary if outbound traffic is being filtered.
Bandwidth	Recommend a minimum of 0.5 Mbps upload bandwidth dedicated per camera for cloud storage and viewing.

Intended Audience: Authorized account administrators

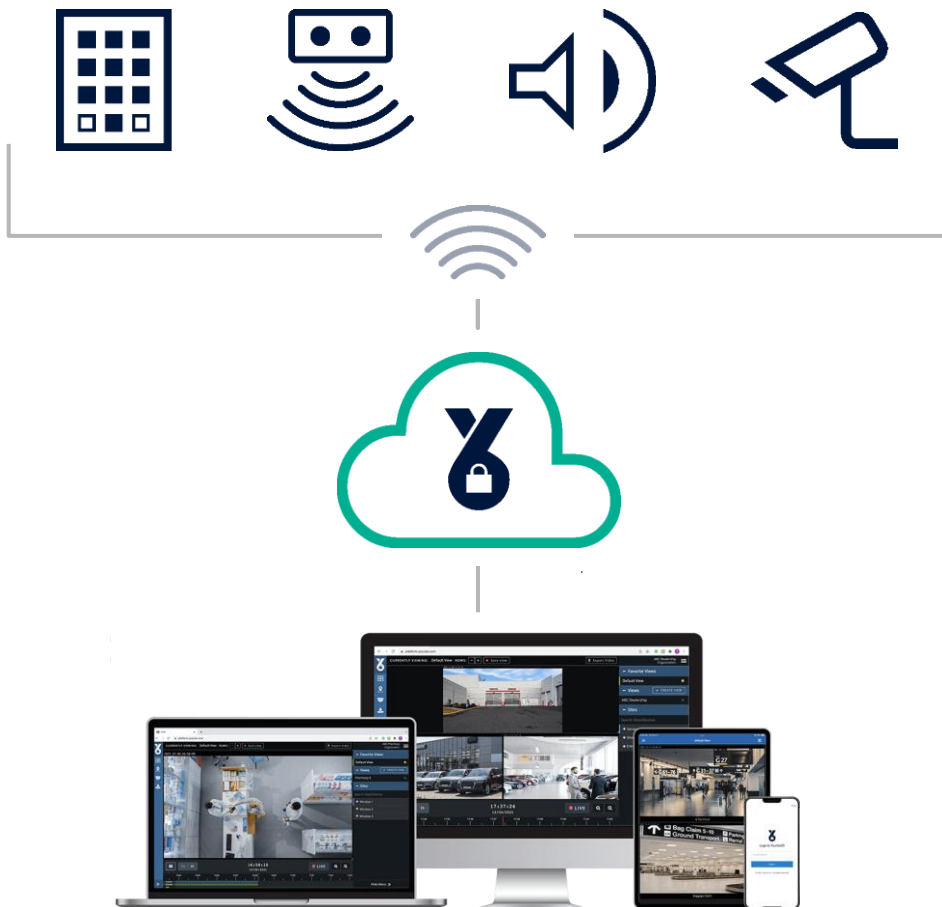
Cyber Security	
Device Dispatch	Authentication using Owner Authentication Key (OAK)
Camera Encryption	AXIS One-Click Connection w. Encryption and Authentication; TLS 1.3
Web Client Communications	HTTPS
Mobile Client Communication	HTTPS
API Communications	HTTPS
Streaming Video Via Cloud	HTTPS, WebRTC
SSL Certificates (TLS)	Automatically issued and fully managed by YourSix

System Access	
Identity & Access Management	Multi-Factor Authentication (MFA) and Single Sign On (SSO)
Single Sign On (SSO)	SAML 2.0
Approved Vendors for Single Sign On (SSO)	Google, JumpCloud, Microsoft Azure AD, Microsoft ADFS, Okta
Customer Support	Remote access for support and maintenance.

User Administration	
Users	Multiple user access levels with password protection.
Administrators	Multiple admin access levels with password protection.
Platform Permissions	3 Integrator level scopes; 3 Organization level scopes
Granular Permissions	Permissions are configurable for users by platform, site, device, and device group permissions.

Intended Audience: Authorized account administrators

General Architecture



Access footage from anywhere,
from any device

Intended Audience: Authorized account users

General	
Languages	English. Other languages upon request. (NRE plus maintenance fee)
User Interface	Single Page Web Application (SAP) accessible via a supported web browser.
System	
Network Connectivity	Outbound TCP port 443 must be accessible from the LAN
Web Browser Requirements	Google Chrome™ (latest), Firefox® (latest), Microsoft Edge (latest)
System Access	
Identity & Access Management	Multi-Factor Authentication (MFA) and Single Sign On (SSO)
Single Sign On (SSO)	SAML 2.0
Approved Vendors for Single Sign On (SSO)	Google, JumpCloud, Microsoft Azure AD, Microsoft ADFS, Okta
Playback	
Search for Recordings	Search for recordings based on device, date, time, event type. Events and recordings are indicated on the timeline.
Playback	View recordings from of up to 20 cameras. Single and split view windowed and in full screen, fast forward on single cloud recording.
Playback Resolution	Dependent on recording configuration; cloud playback limited to 720p at 8 fps
Export	Multiple video clips from up to 8 cameras for up to 24 hours. Video in MP4 format packaged in ZIP container.

Intended Audience: Authorized account users

Live View	
Live View	Split view, single view in full screen, multi-view streaming, AXIS Corridor Format. digital zoom Max live view of up to 20 cameras or 40 widgets (barriers and peripherals)
Live Actions	Device dependent; Mechanical and digital PTZ controls, I/O controls/ live talkdown, lens wiper, microphone, snapshot, resolution controls, barrier state
PTZ	Control of PTZ cameras using mouse or presets
I/O Control	Pulse or toggle output port
Audio	Two-way (device dependent)
Resolution	Manual or automatic selection for best bandwidth/quality trade-off; device dependent support up to 5MP
Barrier	Control state of a barrier (Locked or unlocked); view physical status of a barrier (open or closed); grant temporary access to barrier; visual of access alarms (OTL, forced)
Peripheral	Control state of a peripheral (on, off, pulse)
Sensors	View live and historical data View as a gauge or historical graph
Arm/Disarm	Manually arm or disarm alarm zones (device groups)

Events	
Search Criteria	Search for events, objects, and access events based on a timeframe and set of devices
Event Types	Device supported analytics, health events, tampering events
Access Event Types	Access granted, access denied, alarm, alarm ended, barrier control accessed, barrier control locked, barrier control unlocked
Object Event Search	Vehicles and humans including color attributes and vehicle classes (car, truck, bus, bike)
Notifications	User selected Mobile app push notifications and/or email notifications

Intended Audience: Authorized account users

General	
Languages	English, French, Italian, German, Spanish, Dutch and Portuguese.
User Interface	Native Mobile Application
Availability	Available free of charge on Apple App Store and Google Play
System	
Network Connectivity	Outbound TCP Port 443 must be accessible from the mobile device
Mobile Access	App for Android devices, iPhone, and iPad
Device Minimum Requirements	Android (latest version) and iOS (latest version)
Application Updates	If an update is available, it should be installed within 2 weeks to ensure the application continues to function properly.
Live View & Playback	
Camera Station	Site list, camera overview, saved views
Video Viewing	Camera station view, saved views, full screen live view of selected cameras, digital PTZ, mechanical PTZ
Live Actions	Device dependent; Mechanical and digital PTZ controls, I/O controls/ live talkdown, lens wiper, microphone, snapshot, resolution controls.
Search for Recordings	Search for recordings based on camera, date and time. Timeline visualization
Audio	One-way audio streaming
Resolution	Manual selection for best bandwidth/quality
Arm/Disarm	Manually arm or disarm alarm zones
Export	Multiple video clips from up to 8 cameras for up to 24 hours. Video in MP4 format. Exported to mobile device photo gallery.