

SECUREGUARD® CLOUD

Specifications

SecureGuard® Cloud VMS is a cloud-native video management platform that combines centralized device management, live monitoring, cloud recording, health monitoring, intelligent analytics, and remote administration into a single scalable solution for organizations of any size.

Whether managing a single location or thousands of distributed sites, SecureGuard® Cloud VMS provides secure, browser-based and mobile access to video, devices, users, and system health from anywhere.

Speco SecureGuard® Cloud Video Management System provides:

- Health status monitoring of devices
- Live video streaming from IP cameras, recorders and bridges
- Cloud-based recording and playback
- Centralized device management
- Multi-site monitoring
- Mobile and web access
- Scalable cloud storage
- Secure user access controls
- Event-based recording and alerts

The platform supports deployments ranging from a single location with a few cameras to enterprise environments with thousands of cameras.

01 Platform Features

Dashboard Management

- Device online/offline notifications
- Settings changes and configurations
- Firmware updates
- Multi-site management
- Hierarchical account structure
- Configuration templates

Live Video Monitoring

- Real-time video streaming
- Multi-camera viewing up to 16 channels
- Browser-based viewing
- Mobile application support
- Live audio
- PTZ controls

Cloud Recording

- Continuous recording
- Motion-based recording
- Event-triggered recording
- Scheduled recording
- Audio recording

Playback

- Timeline search
- Event search
- Smart filtering
- Fast-forward and rewind
- Clip export
- Clip sharing (Cloud Recorded Clips only)

Administration

- User management
 - Role-based permissions
 - Audit logging
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02 Technical Specifications

Compression Supported

H.264	Yes
H.265	No – limited by browser support

Recording Resolution for Retention Plans

2MP & 4MP

Recording Resolution on Storage TB Plan

Up to 8MP

Frame Rate Support

Maximum FPS for Preset Retention Plans

2MP	12 FPS
4MP	12 FPS

Maximum FPS for Storage TB Plan

Up to 8MP	12 FPS
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Live Viewing Layouts

Maximum Cameras in One Viewing Window

- 16 Cameras

Playback Viewing Layouts

Maximum Cameras in One Viewing Window

- 6 Cameras

Storage Architecture

Storage Characteristics

- Cloud Object Storage – S3 compatible
- Data redundancy provided within storage region
- Supports server-side encryption for data at rest
- Supports encrypted data transmission

Encryption & Security Controls

Control	Standard
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Data at Rest	AES-256 server-side encryption (SSE-B2 or SSE-C)
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Data in Transit	TLS 1.2 or higher
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Authentication	S3 API access keys
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03 Hardware Requirements

Minimum PC Requirements

Operating System	Processor
Windows 11	Intel Core i5 (5th Gen), 4 Cores
macOS (Apple Silicon)	Apple M2

Minimum Browser Requirements

- Google Chrome (Version 142.0.7444.176 or later)
- Microsoft Edge (Version 150.0.4078.48 or later)
- Safari (Latest on macOS)

04 Bandwidth Requirements

Recommended Viewing Bandwidth

The required bandwidth depends on the number of simultaneously viewed streams and each camera's bitrate.

Streams	Minimum Internet Speed
Up to 4 Live Channels	15 Mbps
Up to 8 Live Channels	30 Mbps
Up to 16 Live Channels	60 Mbps
Up to 6 Playback Channels	40 – 60 Mbps

Recommended Camera Upload Bandwidth

Resolution	Typical Bitrate
2MP	2–4 Mbps
4MP	4–6 Mbps
8MP	8–16 Mbps

Example Site Bandwidth

16 Cameras @ 2MP

- Average bitrate: 2 Mbps / camera
- Total upload: 32 Mbps

16 Cameras @ 4MP

- Average bitrate: 4 Mbps / camera
- Total upload: 64 Mbps

05 Analytics

Included Advanced Analytics – depending on supported cameras

Motion Detection	Region Entry	Object Removed/Left Behind
Line Crossing	Region Exit	Audio Exception
Region Intrusion	Loitering	Heat Map
Person Detection	Illegal Parking	Tampering
Vehicle Detection	Target Counting	Fire Detection
License Plate Detection	People Counting	Temperature Detection
Facial Detection	Crowd Density	

06 Summary

Platform Summary

Item	Maximum
Cameras per Account	Unlimited
Cameras per Site	Unlimited
Cameras in One Window	16 Live / 6 Playback
Recording Resolution	Up to 8MP
Concurrent Streams	Dependent on camera model
Continuous Streaming	10 minutes
Export Clip Length	5 minute minimum, 30 minute maximum