



Si500

VIDEO SPEAKER MICROPHONE





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Motorola's Si500 Video Speaker Microphone (VSM) is paving the way for convergence by reducing the number of devices that weigh down officers in the field today. Both body-worn camera and remote speaker microphone, the compact Si500 is the smart interface that extends the mission critical performance of Motorola APX™ radios.

This innovative, purpose-built wearable combines intelligent recording with the best-in-class audio of APX radios. It delivers the mission critical sight, sound and security required to protect public safety personnel and citizens.

With an intuitive user interface that is easy to operate, your officers can focus on the mission, not the technology. The Si500 VSM evolves with your agency and enables a variety of future applications and capabilities.

PRODUCT DATA SHEET | Si500 VIDEO SPEAKER MICROPHONE

SIGHT AND SOUND SIMPLIFIED



KEY FEATURES

- APX audio quality at 100+ phon
- 5 integrated microphones with Motorola's exclusive Adaptive Audio Engine
- 210° articulating camera with optimized field-of-view and low-light performance
- Pre-buffering to capture events prior to recording
- Automatic recording with emergency button
- Video Preview Mode used as deterrent
- Wireless and wired radio connectivity
- Standard and high-capacity removable battery options
- IP67 and MIL-STD 810G rated durability
- Covert operation mode
- Wi-Fi® connectivity
- Manage and store evidence with Motorola CommandCentral Vault





CAPTURE CRITICAL EVENTS INSTANTLY AND ACCURATELY

The Si500 provides an additional layer of protection for officers and citizens by easily documenting video, voice recording and still images without interrupting radio communications. The Si500 is equipped with a 210 degree articulating camera lens that provides optimal field-of-view and flexible wearing positions. Based on preference, users can wear the VSM with the display facing in or out. The display facing out enables an officer to utilize video preview mode to activate the camera allowing citizens to view themselves. This feature can be used as a deterrent to prevent the need to record video altogether.

- Configurable pre-buffering captures events prior to recording
- Realistic low-light recording mimics the human eye
- Prominent display notification, audible tone or vibration indicate recording
- Customized video tagging and integrated metadata (time, date, location* and device ID)
- Secured with partition encryption featuring secure boot and application white listing

*If GPS is enabled on APX Portable Radio

EXTEND THE POWER OF APX BEST-IN-CLASS PERFORMANCE

Like our industry-leading APX radios, every feature and function of the Si500 is designed with your safety in mind from best-in-class audio to purpose-built ergonomics. Using the Adaptive Audio Engine, Si500 dynamically changes the level of noise suppression, microphone gain, windporting and speaker equalization on the fly for the loudest, clearest audio in any wearing position or environment. The Si500 offers a tempered-glass display with an intuitive user interface that allows personnel to control radio channels and talkgroups, capture video and photos, tag videos and audio recordings. Integrated Wi-Fi® dramatically improves the speed of VSM configuration and feature updates with Radio Management.

- Best-in-class APX-quality audio
- 2 programmable buttons for video preview and video bookmarking
- Prominent button for fast push-to-talk
- Bright orange emergency alert button
- Easy-to-use power, volume, video and programmable buttons
- Ultra-rugged, IP67 and MIL-STD rated for harsh environments
- 5 integrated microphones with Adaptive Audio Engine

SIMPLIFIED OPERATIONS WITH COMMANDCENTRAL VAULT

Our cloud-based digital evidence management software aggregates evidence from a variety of multi-media sources (body-worn video, voice notes, surveillance video) and reduces administrative overhead. Now store, review, manage and share digital content simply and efficiently. CommandCentral Vault automatically uploads, tags and correlates metadata to save time collecting and storing digital evidence. The system ensures end-to-end security that reduces any challenge to chain of custody for agencies. It simplifies evidence storage and security through the Amazon Web Services (AWS) GovCloud to meet CJIS standards.

- End-to-end content management
- CJIS compliant secure storage
- Predictable costs
- Automated redaction
- Auto-correlates metadata
- Establishes proper chain of custody
- Secure evidence sharing (with CAD and RMS)

PURPOSE-BUILT TO PROTECT

The Si500 delivers exceptional audio/video performance combined with rugged hardware, powerful software and Wi-Fi® connectivity. Optimized to work as a part of a mission-critical ecosystem, it features industry-leading APX audio and ergonomics.



SIMPLIFY INTELLIGENCE WITH AN INTUITIVE USER INTERFACE

Empower your personnel with quick access to the most relevant intelligence and tools for better collaboration and information sharing. The Si500's simple and intuitive user interface can be customized to organize data into three panels – home, activity and conversation panels to make information easily viewable and manageable.



HOME PANEL

QUICKLY ACCESS VITAL ACTIVITIES, CONVERSATIONS AND TOOLS

Displays information in a clear and concise way for quick access.

Aggregates data from other panels and displays only vital information.



ACTIVITY PANEL

VIEW RELEVANT VOICE NOTES, VIDEO AND STILL IMAGES ASSOCIATED WITH YOUR CURRENT TASK

Quickly tag and categorize captured multi-media files.

Assign multiple tags to the group for organization and retrieval in CommandCentral Vault.



CONVERSATION PANEL

STAY CONNECTED WITH YOUR PERSONNEL IN REAL TIME

Manage APX zone, channel and volume.



ACCESSORIES BUILT FOR THE WAY YOU WORK



SLIMLINE SHOULDER STRAP

Designed to optimize field-of-view and recording angle. Position and remove easily with the quick clip mount.



VERSATILE CARRY HOLDER

Designed to meet public safety specifications, the Si500 Carry Holder enables flexible wearing positions on a tactical vest or uniform. Purpose-built for fast attachment and removal.



3.5MM SURVEILLANCE KIT

Ideal for covert operations, this translucent tube connects to the 3.5mm audio jack on the Si500 and provides a more discrete option for receiving private messages.

Si500 SPECIFICATIONS

SIZE & WEIGHT

Dimensions (H x W x D)	120mm x 62mm x 24mm (standard battery) 120mm x 62mm x 27mm (high capacity battery)
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Weight	220g (standard battery) 250g (high capacity battery)
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BATTERY

Battery Life*	
Standard Capacity (1950 mAh)	10+ Hours
High Capacity (2925 mAh)	18+ Hours 6+ Hours (with pre-buffering enabled)

Charging Time	
Standard Capacity (1950 mAh)	~3 Hours
High Capacity (2925 mAh)	~4 Hours

AUDIO PERFORMANCE

Noise Reduction	5 integrated microphones with Adaptive Audio. Adaptive Audio is standard on Si500.
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Audio Output Power	0.5 Watt Speaker (100+ phon)
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VIDEO

Internal Memory	32 GB
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Optical Performance (Field-of-View)	Diagonal 164° Horizontal 128° Vertical 68°
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Recording Resolutions	1080p, 720p, 480p
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Recording Speed	30 fps
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Low-Light Performance	.5 Lux
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Recording Format	MP4
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Video Encoding Technology	H264
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Audio Encoding Technology	AAC (Advanced Audio Coding)
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DISPLAY

Dimensions	3.2" Transflective
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Screen Type	Gorilla Glass Impact Protection Wet finger and light glove optimized
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CONNECTIVITY

Type	Land Mobile Radio (LMR) WLAN (Wi-Fi®) 802.11 b/g/n/ac Wireless Connectivity
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INTEGRATED TECHNOLOGY

Portrait/Landscape Display Support 210° Articulating Camera	Yes
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Vibration Notification	Yes
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Hall Effect Sensor	Face-In/Face-Out Carry Detection
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INITIAL LAUNCH APPLICATIONS

Voice Recording	Yes
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Body-Worn Video Recording & Configuration	Yes
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Radio Control	Yes
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DURABILITY

MIL-STD 810G	Drop, vibration, shock and water intrusion
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IP67	Fully protected against dust 1 meter water immersion for 30 minutes
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Operating Temperature	-4° F to 140° F (-20° C to +60° C)
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Storage Temperature	-67° F to 185° F (-55° C to +85° C)
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*Assumes 5/5/90 duty cycle, 1.5 hours video recording, 1 hour touch screen interaction

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SOUND
SIMPLIFIED**





For more information, please visit: www.motorolasolutions.com/Si500

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