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 radios.

This innovative, purpose-built wearable combines intelligent recording with best-in-class audio. 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.

SIGHT AND SOUND SIMPLIFIED

KEY FEATURES

- Loud and clear audio
- 5 integrated microphones with Motorola's exclusive Adaptive Audio Engine
- Articulating camera with optimised field-of-view and low-light performance
- Pre-buffering to capture events prior to recording
- Automatic recording with emergency button and WPAN sensor triggers
- 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 utilise 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.

- Pre-buffering records 30 or 60 seconds prior to event
- Realistic low-light recording mimics the human eye
- Prominent display notification, audible tone or vibration indicate recording
- Customised video tagging and integrated metadata (time, date, location* and radio ID)
- Secured with partition encryption featuring secure boot and application white listing

EXTEND THE POWER OF BEST-IN-CLASS PERFORMANCE

Like our industry-leading 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 equalisation 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 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.

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

*If GNSS is enabled on the radio
**Only sends emergency alert if paired to compatible radio

PURPOSE-BUILT
TO PROTECT

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

5 Microphones

T-grip Design

0.5 Watt Speaker

Speaker Grill

1950 mAH Removable Battery

210° Articulating Camera

Power Button

3.2 inch Touch Display

Tempered Glass Display

Intuitive User Interface

3.5mm Audio Jack

Micro USB Port

Video Recording Slider

Drop-in Charging Contacts

Prominent PTT Button

2 Programmable Buttons

Volume Toggle

Emergency Button

Traffic Stop
10:03

Traffic Accident
9:21

Shoplifter
8:45

Robbery
11:41

Tactical 1

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 customised to organise 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 categorise captured multi-media files.

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

CONVERSATION PANEL

STAY CONNECTED WITH YOUR PERSONNEL IN REAL TIME

Manage Zone, Channel, Talkgroup and volume.

ACCESSORIES BUILT FOR THE WAY YOU WORK

SLIMLINE SHOULDER EPAULETTE

Designed to optimise 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)
Weight	220g (standard battery) 250g (high capacity battery)

BATTERY	
Battery Life Standard Capacity (1950 mAh) High Capacity (2925 mAh)	~10 Hours ~18 Hours ~8.5 Hours (with pre-buffering enabled)
Charging Time Standard Capacity (1950 mAh) High Capacity (2925 mAh)	~3 Hours ~5 Hours

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

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

DISPLAY	
Dimensions	3.2" Transflective
Screen Type	Gorilla Glass Impact Protection Wet finger and light glove optimised

CONNECTIVITY	
Type	WLAN (Wi-Fi®) 802.11 b/g/n/ac Peer-to-Peer and Wi-Fi® Direct Support WPAN GCAI Wired (optional) GATT Profile Support for BT Sensors
Radio Compatibility	Motorola MTP3000 and MTP6000 Series TETRA Portable Radios Motorola APX Series ASTRO 25 Radios

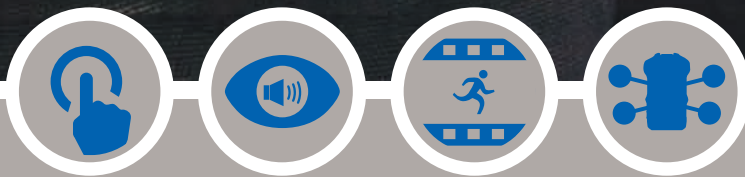| INTEGRATED TECHNOLOGY	
Dual Accelerometers	Yes
Vibration Notification	Yes
Hall Effect Sensor	Face-In/Face-Out Carry Detection

INITIAL LAUNCH APPLICATIONS	
Voice Recording	Yes
Body-Worn Video Recording & Configuration	Yes
Radio Control	Yes
WAVE Workgroup Communications	Yes

DURABILITY	
MIL-STD 810G	Drop, vibration, shock and water intrusion
IP67	Fully protected against dust 1 meter water immersion for 30 minutes
Operating Temperature	-4° F to 140° F (-20° C to + 60° C)
Storage Temperature	-67° F to 185° F (-55° C to +85° C)

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

MOTOROLA SOLUTIONS