

Si200 Body Worn Camera - Quick Reference Manual



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RF Energy Exposure and Product Safety Guide for Body Worn Camera

The Si200 is only designed for video recording. Before using this product read the RF Energy Exposure Training and Product Safety Information for Mission Critical Devices which contains instructions for safe usage and RF energy awareness and control for compliance with applicable standards and regulation.  Use only power supplies listed in this user guide. This equipment is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

For body worn operation, this device has been tested and meets the FCC RF exposure guideline for use with Motorola Solutions, Inc. approved accessories sold with this device.

Use of non-Motorola-approved body worn camera or battery accessories may exceed the applicable RF exposure guidelines (IEEE, ICNIRP or FCC). This device complies with part 15 of the FCC Rules and Industry Canada license exempt RSS standard(s). Operation is subject to the following three conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. (3) Any changes or modifications not expressly approved by Motorola Solutions may void the user's authority to operate this device. This class B digital apparatus complies with Canadian ICES-003.

Under Industry Canada regulations, this microphone transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

This device complies with the Canada portable RF exposure limit set forth for an uncontrolled environment and is safe for intended operation as described in this manual. Further RF exposure reduction can be achieved if the product is kept as far as possible from the user's body or setting the device to a lower output power, if such function is available.

Frequency of Operation - IC 2.4 & 5 GHz

The device for operation in the band 5150–5350 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

When used in Canada for 5 GHz WLAN, the following restrictions are applicable:

Notched Band 5.6 - 5.65 GHz

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Wireless Device Country Approvals

Regulatory markings, subject to certification, are applied to the device signifying that the radio(s) is/are approved for use in the US. Operation of the device without regulatory approval is illegal.



Caution:

- (i) the device for operation in the band 5150-5350 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
- (ii) the maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall be such that the equipment still complies with the e.i.r.p. limit;
- (iii) the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits specified for point-to-point and non-point-to-point operation as appropriate; and
- (iv) the worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in Section 6.2.2(3) shall be clearly indicated.
- (v) Users should also be advised that high-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

Radio Frequency Interference Requirements - FCC



Notice: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try

to correct the interference by one or more of the following measures

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Declaration of Conformity

Per FCC CRF 47 Part 2 Section 2.1077(a)



Responsible Party

Name: Motorola Solutions, Inc.

Address: 1303 East Algonquin Road, Schaumburg, IL 60196-1078, U.S.A.

Phone Number: 1-800-927-2744

Hereby declares that the product:

Model Name: Si200

Conforms to the following regulations:

FCC Part 15, subpart B, section 15.107(a), 15.107(d), and section 15.109(a)

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence et à la partie 15 des règlements de la FCC :

- Cet appareil ne doit pas causer d'interférence nuisible.
- Cet appareil doit accepter toute interférence reçue, y compris les interférences pouvant entraîner un fonctionnement indésirable.
- Toute modification effectuée à cet appareil sans l'autorisation explicite de Motorola Solutions peut annuler l'autorisation d'utiliser cet appareil.

Handling Precautions

The Si200 Body-Worn Camera meets IP67 specifications, allowing the camera to withstand adverse field conditions such as being exposed to water or dust.

- Keep your device clean and exposure to water should be avoided to help ensure optimal functionality and performance.
- These surfaces should be cleaned whenever a periodic visual inspection reveals the presence of smudges, grease, and/or grime.
- To clean the exterior surfaces of the Camera, use a diluted solution of mild dishwashing detergent and fresh water (for example, one teaspoon of detergent to one gallon of water).



Caution: The effects of certain chemicals and their vapors can have harmful results on certain plastics. Avoid using aerosol sprays, tuner cleaners and other chemicals.



Caution:

Risk of explosion if the battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.

Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion. Leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas. A battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas. The battery cannot be subjected to during use, storage or transportation at high or low extreme temperatures and low air pressure at high altitude. The socket-outlet shall be installed near the equipment and shall be easily accessible.

Note: When removing the USB cover to charge Si200 Camera, do not rotate the cover. Otherwise you might tear off the small USB plastic cover.

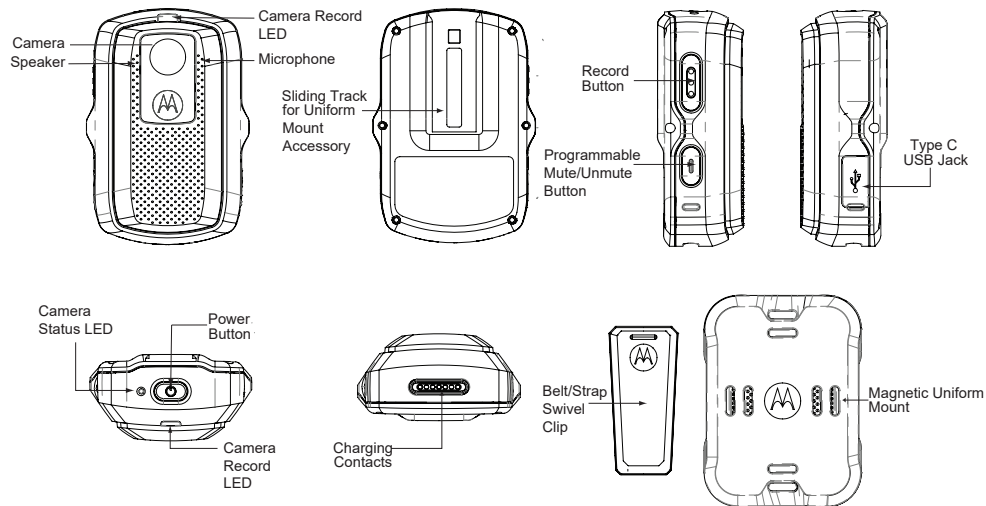


IMPORTANT: Fully charge the camera before first operation with the provided wall charger. Please make sure the USB jack cover on camera is fastened tightly and properly after camera is charged. Use only power supplies listed in the user manual

Si200 Chargers	Motorola Part Numbers
Car Charger 5V, 3A	PMLN7779A
USB Wall Charger - NA (US/JP)*	PS000277A01
USB Wall Charger - EMEA-EU*	PS000277A02
USB Wall Charger - UK*	PS000277A03

*USB Wall Charger - 5V 3A with Type C.

Si200 Body-Worn Camera Overview



Pairing Si200 Camera with Smartphone Companion Application

IMPORTANT: Your Si200 camera must be registered in CommandCentral Vault before you can begin to use it or pair it with the Review for Si200 smartphone companion application.

Please refer to your Motorola Solutions CommandCentral Vault Admin documentation to register your camera.

If using the camera with Review for Si200 Smartphone companion application, start here, if not skip to Quick Start Operation Section.

Pair Si200 camera with the Review for Si200 Smartphone Application

1. Check the operating system on your smartphone. The smartphone OS version requirements are as follows:

- iOS version 11.0 or above
- Android version 5.0 or above

2. Search for Review for Si200 in the Apple App Store or Google Play Store. Download the Review for Si200 application before turning on the camera.

3. Make sure Bluetooth is turned on in your smartphone

4. Launch the Review for Si200 application on the smartphone. The Configuration Mode screen displays.

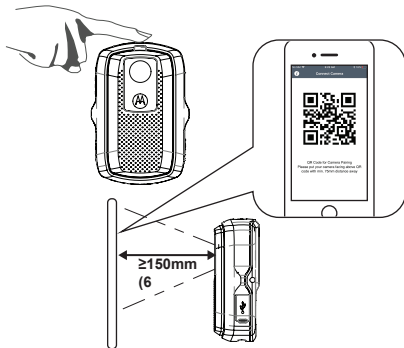
5. With Si200 in the Off state, long press the camera button for 15 seconds until the Camera Record LED is turned on solid RED and Camera Status LED slow flashes GREEN. The camera has entered Pairing Mode and is ready to pair with the Review for Si200 application.

6. Touch "Initiate Pairing" at the bottom of the Configuration Mode screen of the Review for Si200 application.

7. The "Connect Camera" screen with a QR code displays.

8. Use the Si200 camera, while the Camera Record LED is on solid RED and Camera Status LED is slow flashing GREEN, to scan the QR code on the smartphone. The minimum distance between the camera and the QR code must be 150mm (6 inches).

9. Upon successful pairing, the Review for Si200 application indicates the connection to the camera with vibrator and alert tone, then, camera LEDs will turn off.



Quick Start Operation

Charge camera

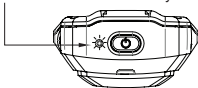
IMPORTANT: Fully charge your camera before first operation with the provided wall charger.



Lift up the USB cover and plug the wall charger or the optional vehicular charger into the camera's USB Type-C jack.



Camera status LED shows solid RED while charging and changes to solid GREEN when fully charged.

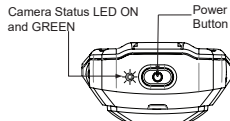


Camera automatically powers on when charger is attached. If not using the camera after disconnecting the charger, turn the camera off.

Power On/Off

Power on - Long press power button for 1.5 seconds to turn the camera on.

Camera vibrates, emits a tone and the Camera Status LED remains on GREEN for 12 seconds.



Power off - Long press power button for 3 seconds to turn off the camera. Camera vibrates, emits a tone and the Camera Status LED turns Off.

Default Button Settings

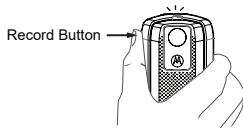
Button	Short Press	Long Press
Power Button	Sign of Life	Camera on/off
Record Button	Start recording	Stop recording
Programmable Button*	Mute activation/ Deactivation	

*Depending on camera configurations, the Programmable Button may be programmed differently.

Record Video

Start Recording

- 1 Camera must be On to start recording.
- 2 Short press the Record button for 350ms to start recording. Camera vibrates and emits a tone.
- 3 While the device is recording, Camera Record LED slow flashes RED.



Stop Recording

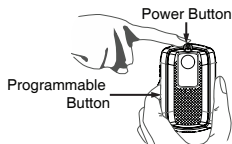
- 1 While the camera is recording, long press the Record Button for 1 second. The camera stops recording, vibrates and emits a tone.
- 2 Camera Record LED goes OFF (unless Covert Mode is enabled).

Covert Mode

When covert mode is enabled, all LEDs and tones are turned Off. Vibration is the only source of notification.

Turn Covert Mode On

Long press power button and programmable button simultaneously for 3s, camera vibrates.



If covert mode is activated during the configuration mode, the camera enters the covert mode and cancels the configuration process.



IMPORTANT: If Covert Mode is enabled and the camera is turned Off Covert Mode is still enabled when the camera is turned back on. User can use the sign of life to confirm camera power status. User can use the sign of life to confirm camera power status.

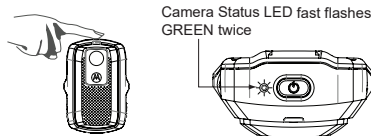
Turn Covert Mode Off

Long press the Power button and the Programmable button simultaneously, camera vibrates and emits a tone.

Sign of Life

Camera Status LED is Off when the camera is idle (unless it is On to indicate an error).

If user would like to check whether the camera is On, they should short press the Power Button. The Camera Status LED then fast flashes GREEN twice, vibrates and emits a tone to indicate the camera is On and pre-buffering (if configured). If Covert Mode is enabled the camera only vibrates to indicate Sign of Life.

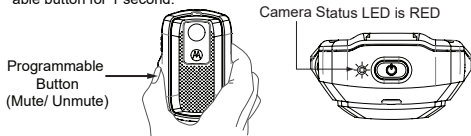


Mute Mode

If the Programmable button is assigned to Mute and it is pressed during recording the camera mutes the microphone while it continues to record video.

Turn Mute On

- 1 To mute the microphone during recording, long press the programmable button for 1 second.



- 2 Camera emits a tone, vibrates and the Camera Status LED turns on and is solid RED.
In Covert Mode, camera vibrates only and the Camera Status LED remains OFF.
- 3 A reminder tone emits every 2 minutes until microphone is turned back on. In Covert Mode, camera vibrates every 2 minutes until microphone is turned back on.

Turn Mute Off

- 1 To turn the microphone back on during recording, long press the Programmable button.
Camera Status LED turns Off, camera vibrates and emits a tone.
In Covert Mode, LED remains Off and camera vibrates.

NOTE: Mute is a manually activated function per recording session. It ends when the recording ends.

End of Shift (EOS)

Perform the End of Shift process to upload videos to CommandCentral Vault by using the following options:

1 EOS using camera button press combination:

Long press the Power button and Record button simultaneously for 3 seconds to enter EOS mode. Camera WiFi turns on automatically to connect to a preprogrammed access point within range and starts uploading videos to CommandCentral Vault.



NOTE: If the camera is turned off or loses WiFi connectivity during the upload process any videos that were not uploaded remain on the camera until EOS starts again.

2 EOS through smartphone app:

When the camera is connected to the Review for Si200 application, EOS can be accessed through the Settings screen. When EOS is selected, the camera WiFi turns on automatically to connect to a preprogrammed access point within range and starts uploading videos to CommandCentral Vault.



NOTE: Individual videos can be uploaded from the Review for Si200 application via  under the thumbnail if the camera is within range of a preprogrammed access point but the videos remain on the camera and viewable in the application until End of Shift is completed.

End of Shift (EOS), Continued

Successful End-Of-Shift:

1. The camera must be within range of a preprogrammed WiFi access point. When the camera successfully connects to the WiFi access point the Status LED remains solid BLUE for 6 seconds.
2. When the camera starts uploading videos to CommandCentral Vault the Camera Status LED slow flashes BLUE to indicate uploading in progress. Upload progress can be seen on the smartphone screen if using the Review for Si200 application.
3. After video upload is completed and the confirmation is received from CommandCentral Vault, the videos are deleted from the camera.
4. The camera checks for a new configuration from CommandCentral Vault and downloads it to the camera. If no new configuration is available the camera turns off.
- 5 If CommandCentral Vault indicates that the smartphone pairing with Si200 has expired or if the camera is shared between users, the Bluetooth pairing between the camera and the smartphone is removed.
6. If new camera firmware is available and Si200 has been configured for automatic firmware update, camera firmware is automatically updated. The firmware download occurs only if the camera is connected to an external power source and the internal battery level is more than 20%.
7. The Camera Status LED slow flashes BLUE-GREEN to indicate the firmware update is in progress. The firmware update progress can be seen on the smartphone screen if using the Review for Si200 application.
8. After firmware update is finished, camera restarts and powers off.

Unsuccessful Video Upload:

The Camera Status LED fast flashes BLUE and the camera emits a tone if there is an error during video upload to CommandCentral Vault.

Unsuccessful Configuration Download:

Camera Status LED will turn on and fast flashes RED if there is an error during configuration download.

Unsuccessful Firmware Update:

Camera Status LED turns on and fast flashes BLUE-GREEN to indicate there is an error during the firmware update.

Si200 Body-Worn Camera: Camera Record LED & Status LED

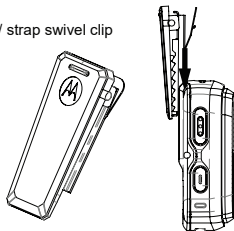
	Si200 Status LED	Description	When
	Slow / Fast flashes RED	Low/ critical Battery Level	Battery level falls under the defined threshold.
	Solid RED	Charging	Si200 is connected to a power supply.
	Solid GREEN	Charging Complete	Si200 is connected to a power supply.
	Fast flashes BLUE	Charging Error	Si200 is connected to a power supply.
	Slow/ Fast flashes BLUE	Low / critical Memory level	Si200 is idle and NOT connected to a power supply.
	Solid RED	Recording with Microphone Muted	Si200 is recording video with the microphone muted.
	Two fast flashes GREEN	Sign of life: Si200 is On and Pre-buffering (if applicable)	User short presses On/Off button.
	Solid BLUE for 6 seconds	Bluetooth, Wi-Fi connected	Camera successfully paired with smartphone or camera connects to Wi-fi for video upload.
	Slow flashes BLUE	Files uploading	An individual file has been selected for upload or End of Shift has been initiated and files are being uploaded to CommandCentral Vault
	Fast flashes BLUE	Error in file upload	An individual file has been selected for upload or End of Shift has been initiated and the files cannot be uploaded to CommandCentral Vault.
	Slow flashes BLUE-GREEN	Update in progress	As part of the End of Shift process. Once files have been successfully uploaded and deleted from Si200 the camera will check for configuration changes and new firmware, if available, the update will begin.
	Fast flashes BLUE-GREEN	Error in update	An error has occurred during the update process.
	Si200 Camera Record LED	Description	When
	Solid RED	Ready to scan QR code	Long press of the power button and the Camera Status LED is flashing GREEN.
	Slow flashes RED	Recording	Si200 is recording.
	Fast flashes RED	Recording error	Record button was pressed but Si200 cannot read.

Note: When camera is not functioning properly with error LEDs on, please long press power button for 13 seconds to reset the device.

Ways to Wear Si200 Body-Worn Camera

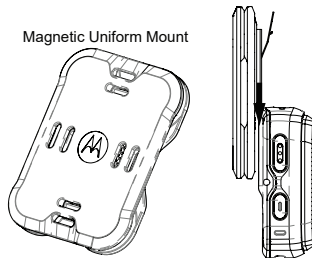
There are uniform mount accessories available to accommodate wearing the Si200 Body-Worn Camera on numerous uniform types.

Belt/ strap swivel clip



- Slide the clip down into the sliding track at the back of camera with click.

Magnetic Uniform Mount



- Slide the mount down into the sliding track at the back of camera with click.

Best Positions to Wear Si200 Body-Worn Camera

Worn on center or side of the chest by using the magnetic uniform mount or belt/strap swivel clip.



Using Belt/Strap Swivel Clip



Using Magnetic Uniform Mount

Product Warranty - Si200 Camera

The Si200 is covered by a standard one year warranty. Contact Motorola Solutions Customer Care at 1-800-323-9949 for warranty service.

Service and Support - Si200 Camera

For technical troubleshooting support contact Motorola Solutions Customer Care at 1-800-323-9949 and follow the prompts for Software products and Public Safety Applications; Records and Evidence. To purchase accessories call Motorola Solutions at 1-800-422-4210.