MOTOROLA SOLUTIONS

V200 Body Camera User Guide

MN010983A01-AA

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Disclaimer

Please note that certain features, facilities, and capabilities described in this document may not be applicable to or licensed for use on a specific system, or may be dependent upon the characteristics of a specific mobile subscriber unit or configuration of certain parameters. Please refer to your Motorola Solutions contact for further information.

Contact Us

The Centralized Managed Support Operations (CMSO) is the primary contact for technical support included in your organization's service agreement with Motorola Solutions. To enable faster response time to customer issues, Motorola Solutions provides support from multiple countries around the world.

Service agreement customers should be sure to call the CMSO in all situations listed under Customer Responsibilities in their agreement, such as:

● To confirm troubleshooting results and analysis before taking action

Your organization received support phone numbers and other contact information appropriate for your geographic region and service agreement. Use that contact information for the most efficient response. However, if needed, you can also find general support contact information on the Motorola Solutions website, by following these steps:

1. Enter motorolasolutions.com in your browser.
2. Ensure that your organization's country or region is displayed on the page. Clicking or tapping the name of the region provides a way to change it.
3. Select "Support" on the motorolasolutions.com page.

Comments

Send questions and comments regarding user documentation to documentation@motorolasolutions.com.

Provide the following information when reporting a documentation error:

● The document title and part number
● The page number or title of the section with the error
● A description of the error

Motorola Solutions offers various courses designed to assist in learning about the system. For information, go to https://learning.motorolasolutions.com to view the current course offerings and technology paths.

Legal and Compliance Statements

Notice to Users (FCC and ISED)

The device complies with Part 15 of the FCC rules and Innovation, Science and Economic Development Canada's license-exempt RSS(s) per the following conditions:

● This device may not cause harmful interference.

● This device must accept any interference received, including interference that may cause undesired operation.

● Changes or modifications made to this device, not expressly approved by Motorola Solutions, could void the authority of the user to operate this equipment.

Supplier's Declaration of Conformity

Per FCC CRF 47 Part 2 Section 2.1077(a)

Responsibility Party

Name: Motorola Solutions, Inc.

Address: 2000 Progress Pkwy, Schaumburg IL, 60196

Phone Number: 1-800-927-2744

Hereby declares that the product:

Model Name: **V200**

conforms to the following regulations:

FCC Part 15, subpart B, section 15.107(a), 15.107(d), and section 15.09(a)

Class B Digital Device

As a personal computer peripheral, this device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

● This device may not cause harmful interference, and

● This device must accept any interference received, including interference that may cause undesired operation

> NOTE: 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 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

For Country Code Selection Usage (WLAN Devices)

NOTE: The country code selection is for the non-US model only and is not available to all US models. Per FCC regulation, all Wi-Fi products marketed in the US must be fixed to US operation channels only.

Important Safety Information

RF Energy Exposure Training and Product Safety Information for Mission Critical Devices.

CAUTION: This mission critical device is restricted to Occupational use only. Before using the mission critical device, read the RF Energy Exposure Training and Product Safety Information for Mission Critical Devices manual which contains important operating instructions for safe usage and RF energy awareness and control for Compliance with applicable standards and Regulations. 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 a Motorola Solutions,Inc. approved accessories sold with this device.

For information on product details, brochures, user manuals, and approved accessories, refer to motorolasolutions.com.

Limited Warranty

MOTOROLA SOLUTIONS COMMUNICATION PRODUCTS

I. WHAT THIS WARRANTY COVERS AND FOR HOW LONG:

MOTOROLA SOLUTIONS, INC. ("MOTOROLA") warrants the MOTOROLA SOLUTIONS manufactured Communication Products listed below ("Product") against defects in material and workmanship under normal use and service for a period of time from the date of purchase as scheduled below:

V200	One (1) Year
Product Accessories	One (1) Year

MOTOROLA SOLUTIONS, at its option, will at no charge either repair the Product (with new or reconditioned parts), replace it (with a new or reconditioned Product), or refund the purchase price of the Product during the warranty period provided it is returned in accordance with the terms of this warranty. Replaced parts or boards are warranted for the balance of the original applicable warranty period. All replaced parts of Product shall become the property of MOTOROLA SOLUTIONS.

This express limited warranty is extended by MOTOROLA SOLUTIONS to the original end user purchaser only and is not assignable or transferable to any other party. This is the complete warranty for the Product manufactured by MOTOROLA SOLUTIONS. MOTOROLA SOLUTIONS assumes no obligations or liability for additions or modifications to this warranty unless made in writing and signed by an officer of MOTOROLA SOLUTIONS.

Unless made in a separate agreement between MOTOROLA SOLUTIONS and the original end user purchaser, MOTOROLA SOLUTIONS does not warrant the installation, maintenance or service of the Product.

MOTOROLA SOLUTIONS cannot be responsible in any way for any ancillary equipment not furnished by MOTOROLA SOLUTIONS which is attached to or used in connection with the Product, or for operation of the Product with any ancillary equipment, and all such equipment is expressly excluded from this warranty. Because each system which may use the Product is unique, MOTOROLA SOLUTIONS disclaims liability for range, coverage, or operation of the system as a whole under this warranty.

MOTOROLA SOLUTIONS offers the following optional extended service contracts.

DEVICE MANAGED SERVICES (DMS) TECHNICAL SUPPORT

Motorola Solutions' Device Technical Support service provides telephone consultation for software and accessory issues. Support is delivered through the Motorola Solutions Centralized Managed Support Operations ("CMSO") organization by a staff of technical support specialists. Motorola views quality customer service and support as the foundational function of the organization. As a company, we have a strong passion for providing thorough, efficient, and fast customer service. Motorola representatives will be available 8AM-5PM Monday through Friday in all US time zones at 1-800-MSI-HELP and will log a technical request in Motorola Solutions Case Management System on the Channel Partner's behalf. A case will be created within 1 business day.

DEVICE MANAGED SERVICES (DMS) STANDARD HARDWARE

Provides extended hardware normal wear and tear repair coverage beginning AFTER MOTOROLA SOLUTIONS'S standard Commercial Warranty period expires. Service performed under this plan consists

of repair of the covered equipment as set forth in the terms and conditions. Repairs will be made only at the designated MOTOROLA SOLUTIONS repair depot. Local services are not included. MOTOROLA SOLUTIONS will pay for outbound shipping via MOTOROLA SOLUTIONS' normal shipping methods.

II. GENERAL PROVISIONS:

This warranty sets forth the full extent of MOTOROLA SOLUTIONS' responsibilities regarding the Product. Repair, replacement, or refund of the purchase price, at MOTOROLA SOLUTIONS's option, is the exclusive remedy. THIS WARRANTY IS GIVEN IN LIEU OF ALL OTHER EXPRESS WARRANTIES. IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. IN NO EVENT SHALL MOTOROLA SOLUTIONS BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT, FOR ANY LOSS OF USE, LOSS OF TIME, INCONVENIENCE, COMMERCIAL LOSS, LOST PROFITS OR SAVINGS OR OTHER INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE SUCH PRODUCT, TO THE FULL EXTENT SUCH MAY BE DISCLAIMED BY LAW.

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SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LIMITATION ON DURATION OF IMPLIED WARRANTY, THEREFORE THE ABOVE LIMITATION OR EXCLUSIONS MAY NOT APPLY.

This warranty gives specific legal rights, and there may be other rights, which may vary from state to state.

IV. HOW TO GET WARRANTY SERVICE:

You must provide proof of purchase (bearing the date of purchase and Product item serial number) in order to receive warranty service and, also, deliver or send the Product item, transportation and insurance prepaid, to an authorized warranty service location. Warranty service will be provided by MOTOROLA SOLUTIONS through one of its authorized warranty service locations. If you first contact the company which sold you the Product (e.g., dealer or communication service provider), it can facilitate your obtaining warranty service. You can also call MOTOROLA SOLUTIONS at 1-800-927-2744 US/Canada.

V. WHAT THIS WARRANTY DOES NOT COVER:

1. Defects or damage resulting from use of the Product in other than its normal and customary manner.
2. Defects or damage from misuse, accident, water, or neglect.
3. Defects or damage from improper testing, operation, maintenance, installation, alteration, modification, or adjustment.
4. Breakage or damage to antennas unless caused directly by defects in material workmanship.
5. A Product subjected to unauthorized Product modifications, disassembles, or repairs (including, without limitation, the addition to the Product of non-MOTOROLA SOLUTIONS supplied equipment) which adversely affect performance of the Product or interfere with MOTOROLA SOLUTIONS' normal warranty inspection and testing of the Product to verify any warranty claim.
6. Product which has had the serial number removed or made illegible.
7. Rechargeable batteries if:
   - any of the seals on the battery enclosure of cells are broken or show evidence of tampering.
   - the damage or defect is caused by charging or using the battery in equipment or service other than the Product for which it is specified.

8. Freight costs to the repair depot.

9. A Product which, due to illegal or unauthorized alteration of the software/firmware in the Product, does not function in accordance with MOTOROLA SOLUTIONS's published specifications or the FCC certification labeling in effect for the Product at the time the Product was initially distributed from MOTOROLA SOLUTIONS.

10. Scratches or other cosmetic damage to Product surfaces that does not affect the operation of the Product.

11. Normal and customary wear and tear.

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MOTOROLA SOLUTIONS will defend, at its own expense, any suit brought against the end user purchaser to the extent that it is based on a claim that the Product or parts infringe a United States patent, and MOTOROLA SOLUTIONS will pay those costs and damages finally awarded against the end user purchaser in any such suit, which are attributable to any such claim, but such defense and payments are conditioned on the following:

1. that MOTOROLA SOLUTIONS will be notified promptly in writing by such purchaser of any notice of such claim,

2. that MOTOROLA SOLUTIONS will have sole control of the defense of such suit and all negotiations for its settlement or compromise, and

3. should the Product or parts become, or in MOTOROLA SOLUTIONS' opinion be likely to become, the subject of a claim of infringement of a United States patent, that such purchaser will permit MOTOROLA SOLUTIONS, at its option and expense, either to procure for such purchaser the right to continue using the Product or parts or to replace or modify the same so that it becomes non-infringing or to grant such purchaser a credit for the Product or parts as depreciated and accept its return. The depreciation will be an equal amount per year over the lifetime of the Product or parts as established by MOTOROLA SOLUTIONS.

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VII. GOVERNING LAW:

This Warranty is governed by the laws of the State of Illinois, U.S.A.

VIII. For Australia Only

This provision applies to products and services supplied by Motorola Solutions to consumers within the meaning of the Australian Consumer Law. This warranty is given by Motorola Solutions Australia Pty Limited (ABN16 004 742 312) of Tally Ho Business Park, 10 Wesley Court. Burwood East, Victoria. Our goods come with guarantees that cannot be excluded under the Australia Consumer Law. For major failures with the service, you are entitled:

● To cancel your service contract with us: and

● To a refund for the unused portion, or to compensation for its reduced value.

You are entitled to choose a replacement or refund for a major failure with goods. If a failure with the goods or service does not amount to a major failure, you are entitled to have the failure rectified in a reasonable time. If this is not done, you are entitled to a refund for the goods, and to cancel the contract for the service and obtain a refund of any unused portion. You are also entitled to be compensated for any other reasonably foreseeable loss or damage from a failure in the goods or service. If you have any queries, please call Motorola Solutions Australia at 1800 457 439. You may also visit our website: https://www.motorolasolutions.com/en_xa/support.html for current warranty terms.

Document History

Version	Description	Date
MN010983A01-AA	Original release of the *V200 Body Camera User Guide*.	March 2025

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Chapter 1

Read Me First

This user guide covers operating basic functions and other features of your device.

1.1
Notations Used in This Guide

This guide is designed to give you more visual cues. The following graphic icons are used throughout the user guide.

CAUTION: The signal word CAUTION with the associated safety icon implies information that, if disregarded, may result in minor or moderate injury, or serious product damage.

IMPORTANT: IMPORTANT statements contain information that is crucial to the discussion at hand, but is not CAUTION. There is no warning level associated with the IMPORTANT statement.

NOTE: NOTE contains information more important than the surrounding text, such as exceptions or preconditions. They also refer the reader elsewhere for additional information, remind the reader how to complete an action (when it is not part of the current procedure, for instance), or tell the reader where something is on the screen. There is no warning level associated with a note.

TIP: TIP informs the reader of a different way of accomplishing the same task. At times, tips can include quicker ways of achieving the same goal.

The following special notations highlight certain information:

Example	Description
Menu key	Bold words indicate a name of a key, button, or soft menu item.

Chapter 2

V200 Body Camera Overview

Familiarise yourself with the buttons and functions on your body camera.

Figure 1: V200 Front Facing

Callout	Description
1	RGB LED
2	Speaker
3	Camera lens
4	Microphone
5	Front/Record button (programmable)

Figure 2: V200 Bottom Facing

Callout	Description
1	USB-C charging pin/docking connector

Figure 3: V200 Top Facing

Callout	Description
1, 5	Lanyard hook
2	Back/Home button
3	LCD display with RGB backlight
4	Select/Menu button

Figure 4: V200 Left Facing
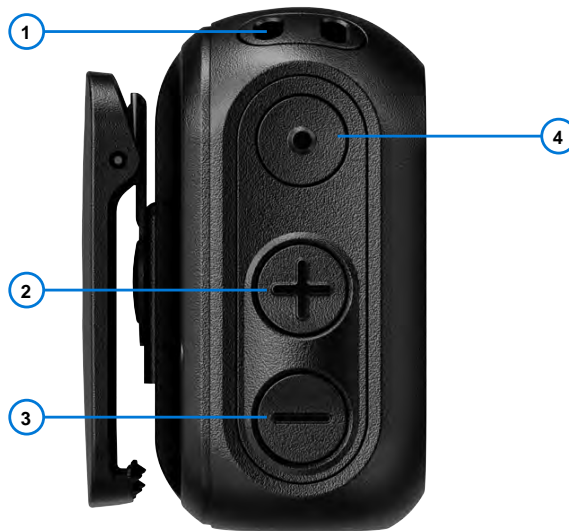
Callout	Description
1	Lanyard hook
2	Increase volume button
3	Decrease volume button
4	P1 button (programmable)

Figure 5: V200 Right Facing
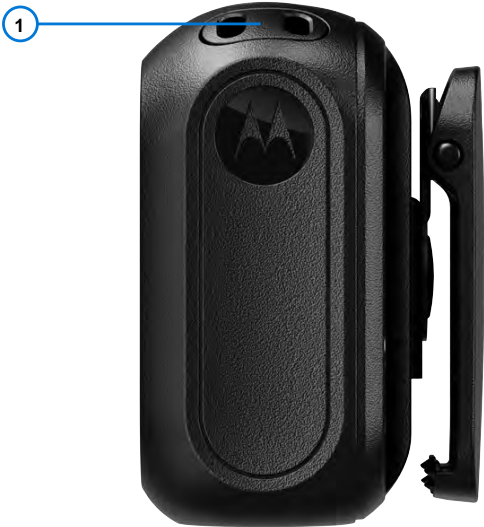
Callout	Description
1	Lanyard hook

2.1
LCD Display Overview

Table 1: LCD Display Overview

Icon	Description
	Battery fully charged (while undocked)
	Battery charging / Battery fully charged (while docked)
	Battery empty or critically low
	Wi-Fi connectivity status
	During recording/escalation: Wi-Fi connectivity status
	During recording/escalation: Battery status
⦿REC	Recording

Icon	Description
	Remote Operator / Alarm Receiving Center / Back-end Security
	Remote Operator / Alarm Receiving Center / Back-end Security – Connection pending
	Remote Operator / Alarm Receiving Center / Back-end Security – Connection established
	Uploading
	Upload complete
	Device assigned for pickup
	Error: Unassigned device picked up
	Motorola logo

2.2
LEDs and Display Backlight Overview

Table 2: LEDs and Display Backlight in Use

Front LED	Display Backlight	Display	Description
Off	White or off		Device home screen Used in Active Mode only.
Solid red	White or off		Recording (local to device) Topline display shows recording status, and bottom 0.5 line shows Wi-Fi and battery status.
Solid red	Amber for the duration of state		Escalation (local recording and livestream to remote operator / security) Topline display shows recording status and remote operator connectivity status, and bottom 0.5 line shows Wi-Fi and battery status.

Table 3: LEDs and Display Backlight in a Smart Dock

Front LED	Display Backlight	Display	Description
Off (0 – 89%) or blinking green (90 – 99%)	White or off		Battery charging: 0 – 99% Footage offloading
Solid green	White or off		Battery fully charged: 100% Footage fully offloaded
Solid green	Green until un-docked		Checkout variations: ● **Permanent Issue** **Case 1:** Offloading is complete and the device is assigned. **Case 2:** Offloading is in progress and the device is assigned. The display is the same as for battery charging. The user can undock the device at any time. ● **Permanent Allocation** The user is assigned a device via VMEX. The backlight is flashing 1s on/1s off. ● **Single Issue** The user taps RFID to view which device to pick up.
Fast blinking red	Red		Unassigned device undocked The device must be docked.

Chapter 3

Getting Your V200 Ready

Before you can use your V200, your device must be charged and assigned to you. For more information, see V200 Assignment on page 27.

Each V200 requires a valid VideoManager license in order for you to assign body cameras and access footage. For more information, see the *VideoManager Admin Guide*.

3.1
Docking and Charging

Prerequisites:

⚠ **IMPORTANT:** To ensure the best charging performance and connectivity to VideoManager, carefully read the following instructions:

- Motorola Solutions recommends the use of a V200 Smart Dock.

- You must first configure the device and then fully charge the battery before first usage.

- To ensure optimal battery health, you should charge the camera in an ambient temperature between 0°C and 25°C (32°F and 77°F). If the temperature is too hot or too cold, battery charging may be stopped to protect the battery.

- You must use only Motorola Solutions approved batteries. There is a risk of explosion if the battery is replaced by an incorrect type.

- The V200 body camera can also be charged using a standard USB-C cable and 5VDC charger. For optimal charging, it is recommended that the charger has a minimum wattage of 10W.

- You must only charge the V200 body camera using a USB-IF certified adapter. The camera may be damaged if an incompatible charger is used.

- If the camera is powered off, it will automatically power on when it is docked and has sufficient charge.

Procedure:

Perform one of the following actions:

Option	Actions
Charging your body camera using a V200 Smart Dock	**a.** Ensure that the camera is facing the front of the Smart Dock. **b.** Insert the camera fully into the slot. **Figure 6: V200 in a Smart Dock**
Charging your body camera using the USB-C cable and 5VDC charger	**a.** Connect the V200 body camera to a USB charger by plugging a USB-C cable into the USB-C port located at the bottom of the camera. **b.** Connect the USB-A side of the cable to a compatible 5VDC USB charger.

3.2
Enabling the Power Saving Mode After Charging

NOTE: This feature is disabled by default.

Procedure:

1. Navigate to the **Admin** tab.

2. Select the 📷 **Devices** pane.

3. Click the 📷 **Device Settings** section.

4. In the **Device properties** section, set **Reduced Power Consumption Mode** to **On**.

   When enabled, the camera shuts down after 10 minutes when all of the following conditions are simultaneously met:

   - The camera is connected to a charger.

   - Charging is completed.

   - The camera is not recording or pre-recording.

   - If the camera is connected to VMEX, the camera is idle, which means that upload, upgrade, and configuration update operations are complete.

Chapter 4

Mounting Options

The V200 body camera has a mount on the rear of the camera to allow the camera to be securely attached to a uniform. The camera has a wide range of mounting accessories to suit your uniform or preferred mounting system. The V200 also includes strap eyelets allowing you to attach a leash to the device.

The V200 comes with various mounting options and a range of compatible accessories which depend on the type of attachment chosen:

- Low Profile Swivel Clip
- Lanyard

The V200 mounts to a suitable attachment point on the torso of the operator. The operator can interact with the camera through button gestures without the need to remove the camera from its mounting position.

4.1
Mounting the V200 Using a Low Profile Swivel Clip

The V200 Low Profile Swivel clip is designed as a universal clothing mount and does not require any specific uniform mounting point.

Figure 7: Swivel Clip
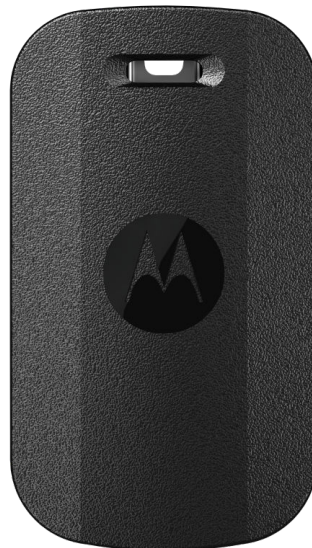
Procedure:

1. Press the top parts of the clip together to open the jaws of the clip.
2. Find a suitable part of clothing to attach the clip to and insert the clothing into the clip.
3. Release the clip to allow it to grip onto the clothing.

4.2
Mounting the V200 Using a Lanyard

The V200 strap eyelets are designed to allow hanging the device on a leash. The lanyard is adjustable and should be used with other mounts to prevent the lanyard from turning.

Figure 8: Lanyard

Procedure:

1. Attach the lanyard to the V200 strap eyelets.
2. Put the lanyard around your neck and ensure that the front of the V200 camera is facing forward.

Chapter 5

V200 Assignment

When your body camera is configured, your system administrator may want camera users to utilise an RFID system for camera assignment. For further information on configuring RFID reader assignment and other ways to assign cameras, see the *VideoManager Admin Guide*.

After presenting your RFID card to the card reader, your docked and assigned V200 identifies itself with a blinking green display backlight and LEDs.

Figure 9: Presenting Your RFID Card to the Card Reader
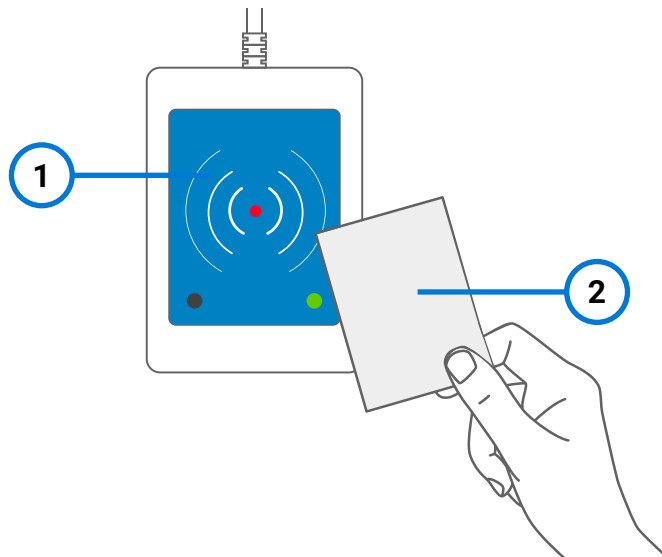
Callout	Description
1	RFID reader
2	RFID card

Chapter 6

Using the Video Camera

> **NOTE:** Camera button functions are configurable in VideoManager. The button functions can differ in your camera configuration. You should consult your administrator for guidance on button configurations.
> For more information, see "V200 Device Profile" in the *VideoManager Admin Guide*.

6.1
Recording

Figure 10: Record Button

> **NOTE:** This is the default configuration. Button functions are programmable.

Start Recording

Procedure:

Single-press the front button.

Start Recording initiated is indicated by a short bleep. By default, the front and top LEDs turn solid red. The colour of the LEDs can be customised in VideoManager. For more information, see "V200 Device Profile" in the *VideoManager Admin Guide*.

Stop Recording

Procedure:

Press and hold the front button.

Stop Recording initiated is indicated by the front and top LEDs turning off, accompanied by a longer, high pitched bleep.

6.2
Live Streaming

NOTE: Live streaming is only available if your VideoManager administrator has enabled this feature. For more information, see "Configuring Streaming" in the *VideoManager Admin Guide*.

The V200 can live stream video and audio to VideoManager. The V200 connects automatically to VideoManager, provided that network coverage is available.

When the V200 is connected to VideoManager:

- The live stream is available when recording is started on the V200. Recording can be activated by the camera operator performing the start recording button gesture, or remotely by the VideoManager operator.

- The V200 starts the live stream when the VideoManager operator chooses to view the stream.

  The ⬤ icon is shown on the V200 LCD display when a live stream is being viewed.

Chapter 7

Maintenance

7.1
Cleaning the USB-C Port

⚠️ **IMPORTANT:** Usage of compressed air is not encouraged during the cleaning process.

Procedure:

1. Clean the external surface of the USB-C port with a clean cloth.

2. Check the USB-C port for any foreign material.

   💡 **TIP:** You can use a magnifying glass.

3. Gently remove any particles, dust or dirt from the USB-C port by using a thin cleaning brush.

4. Tap the device gently on a flat surface to clear any particles or dust from the USB-C port.

5. Check the USB-C port again to ensure that foreign materials are removed.

6. By applying isopropyl alcohol on the brush, clean the USB-C port and contact pins.

   You should remove any dust or debris from the cleaning brush with a clean cloth and continue to clean the USB-C port until all foreign materials are removed.

   For optimum performance, you can apply DeoxIT solution on the USB-C contact pins, one time per side.

7. Leave the device to dry for 60 minutes before plugging in the USB-C connector.

7.2
Maintenance and Care Tips

Always take a few minutes to ensure your camera is working correctly before you begin any assignments. Performing the following basic tasks ensures that your equipment functions properly in most conditions.

ALWAYS	NEVER
Clean the surface of the camera with a soft, damp cloth. You can moisten the cloth with isopropyl alcohol, if necessary.	Use harsh cleaners, bleach or solvents.
Clean the camera lens with a lens blower brush, and then wipe it with a soft cloth if necessary.	Immerse the camera in water or cleaning solutions.
Ensure that the camera microphone openings are clean and clear of any debris.	Use ammonia-based or similar type window cleaners on the camera lens.
	Place the lens under running water or apply jets of water to the camera lens.
	Use compressed air to clean the camera. Compressed air can damage the camera's microphones.

ALWAYS	NEVER
	Apply alcohol directly to the camera.