

# Body cameras

Elevating Security. Empowering Safety.

06/2024



**MOTOROLA SOLUTIONS**

# Agenda

1. **Introduction (5 min)**
  - a. Focused industries
  - b. Why body cameras?
1. **Body camera portfolio (10 min each)**
  - a. VT100
  - b. VB400
  - c. V500
2. **VideoManager overview (20 min)**
  - a. Camera management
  - b. Evidence management
  - c. Workflow processes
  - d. Security protocols
3. **Q&A**



Joe Brady  
Mobile Video Solutions



Steven Harris  
V500 Product Manager



Adwiti Liberatore  
Evidence Solutions  
Global Product Manager

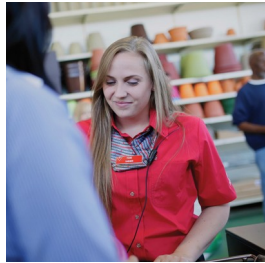


Hetal Patel  
Enterprise Body Camera  
Product Marketing



# Poll question: industry focus?

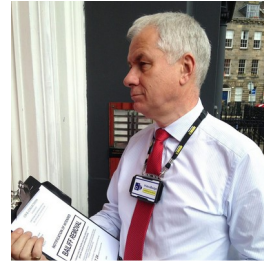
Which vertical (s) do you see as the primary target market for body cameras in your region?



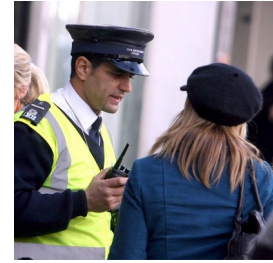
1. Retail



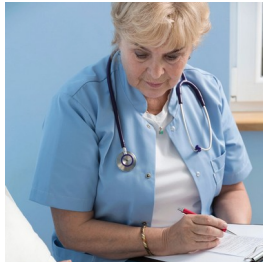
2. Security



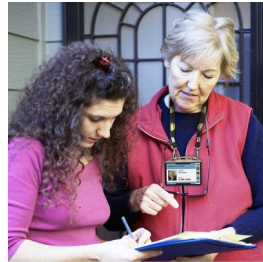
3. Code enforcement



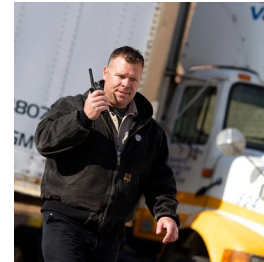
4. Parking enforcement



5. Healthcare



6. Lone workers



7. Transportation



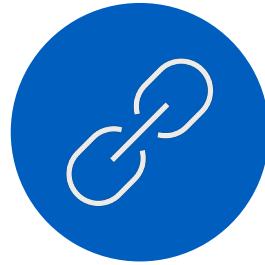
# Why body cameras?



Protection



Accountability



Connections



Security



# Success Stories

## Real World Use Cases

- 1. Enhanced Safety and Security:** All three retail stores (ASDA, Co-op, Woolworths) deployed body cameras to improve safety and security for their staff and customers. These cameras are intended to deter incidents of assault and misconduct while providing evidence in case of disputes.
- 2. Customer Experience and Satisfaction:** The deployment of body cameras also aims to enhance the overall customer experience. By ensuring a safer environment, these stores seek to improve customer satisfaction and loyalty.
- 3. Innovation in Retail Operations:** Deploying body cameras reflects a commitment to innovation in retail operations. It shows these companies are leveraging technology to modernize their security measures and operational efficiency, aligning with broader digital transformation initiatives.

*These consistent points highlight how body cameras are not just about security but also about improving customer experience and leveraging technology for operational excellence.*



# Enterprise body camera offerings

Body cameras



VT100



VB400



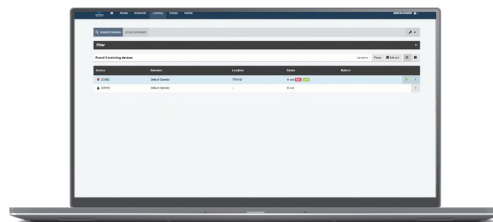
V500

Incident recording



Evidence capturing

Content aggregation



VideoManager (Int.)  
Video Manager EX (NA)  
On-prem or in the cloud



# VT100

A new perspective when it matters most.



# The VT100 Body camera

A new perspective when it matters most

[SPEAKER NAME]  
00/00/2023



**MOTOROLA SOLUTIONS**

# VT100 body camera

A new perspective when it matters most

Ready



Secure



Easy



# Key features

To help protect front-line workers



Wide-angle, 720P HD video



Record for up to 3 hours



Secure footage offload

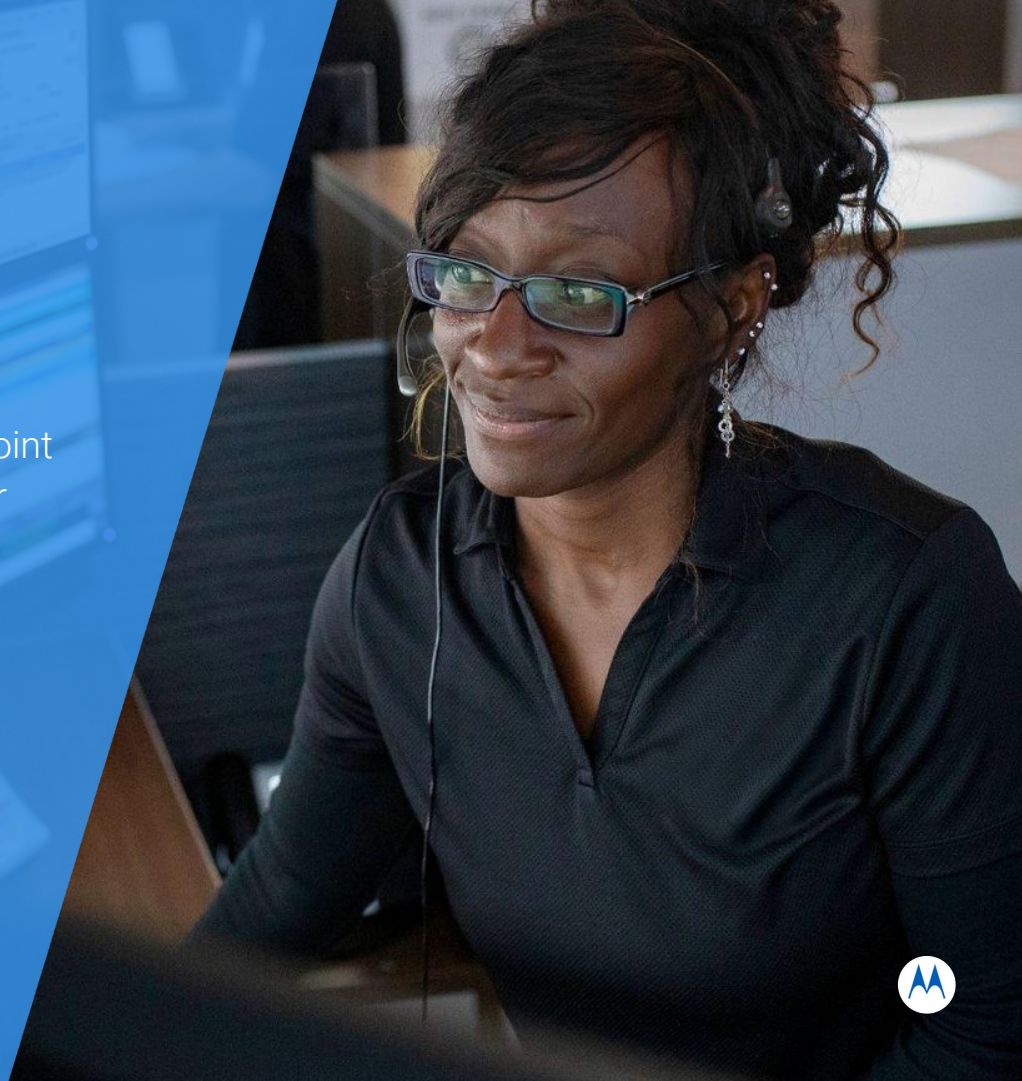


# Complements existing CCTV

See the bigger picture

Capture video and audio from the wearer's viewpoint to support fixed CCTV footage and empower your team to see the bigger picture.

- Integrates with ONVIF compliant VMS
- Adds body camera footage to existing CCTV video streams
- Improves situational awareness



# Requires minimal interaction

Intuitive operation

Protect staff and customers with a body camera that's intuitive to operate and simple to manage.

- Simple, one-button operation
- No need to charge after every shift if not used
- Long battery standby
- Low maintenance solution



# Customer-friendly appearance

Customize the VT100 for seamless addition with existing workwear to boost your brand and deliver extra reassurance.

- Customizable front tag
- Can help increase brand awareness
- Seamless addition to uniform
- Can be worn with customizable lanyard



# Push-to-stream alerting

Record. Respond. Protect.

Press record to send an instant alert to the control room for faster incident response and better protection.

- VT100 delivers audible alert to the control room when the record button is pressed
- Live streaming delivers a first-person view of events to the control room
- Helps protect front-line staff



# Compliments existing CCTV

See the bigger picture

Capture video and audio from the wearer's viewpoint to support fixed video footage and empower security teams to see the bigger picture.

- Connects with Unity Video software
- Displays body camera footage alongside fixed video feeds
- Provides greater situational awareness for quick, decisive action



# Rapid camera allocation

Fast, efficient and secure

Organisations with a large workforce need a fast and efficient method of allocating body cameras.

- Uses RFID technology
- Ideal for use by large workforces
- Ensures camera is only used by the assigned individual
- Does not require additional staff to manage



# VB400

An independent witness for security guards.



# The VB400 Body camera

A wearable, rugged camera for security professionals

[SPEAKER NAME]  
00/00/2023



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# VB400 body camera

A wearable, rugged camera for security professionals

Resilient



Powerful



Connected



# Always ready

Ready for every challenge



Wide-angle, 1080P HD video



12 Hour battery life



Secure footage offload



# Never miss a critical moment

Capture every angle



Low-light 0.2 lux capabilities



Dual microphone



Configurable pre-record



# Connected security personnel

To help protect front-line workers



GPS enabled



Bluetooth connectivity



Livestream over Wi-Fi



Peer assisted recording



# Peer assisted recording

## Capture multiple viewpoints

The VB400 can be configured to start recording when other VB400 cameras are activated within a 10 meter range.

- Security professionals can concentrate on the situation at hand
- Critical moments are captured from more than one angle - provides a clearer picture and ensures the moments that matter aren't missed



# VB400 connection with MOTOTRBO radios

## Intuitive operation

- Body camera is triggered to start recording whenever its paired MOTOTRBO radio enters Emergency Mode.
- Emergency Mode can be initiated by either an emergency button press or when Lone Worker or Fall Alert are activated.
- Body camera will continue to record until its start/stop button is pressed.
- Emergency Mode will continue on MOTOTRBO radio until either manually or automatically turned off, depending on configuration.

### RECORDING TRIGGER

The VB400 starts recording upon receiving emergency signal from radio.



### MOTOTRBO EMERGENCY ALERT

Can be manually pressed or activated through a fall alert.



# Built to suit your needs

Effortlessly affix the VB400 to any uniform

A range of camera variants with suitable mounts and fixings to seamlessly integrate with any staff uniform.

KF-MAG  
MOUNT2



Klick Fast  
Magnetic  
Mounting  
Set (w/  
Magnets)

KF-DOCK  
CLAMP



Klick Fast  
Dock Clamp  
(Pocket Klick  
Fast Dock)

KF-LOOP



Klick Fast  
Radio Loop  
Dock

KF-SCREW



Klick Fast  
Uniform  
Screw-on  
Dock

KF-DOCK  
BUTTON



Klick Fast  
Button Dock

KF-DOCK  
CROCCLAT



Klick Fast Anti-Tilt  
Crocodile Clip



# V500

Effortless connectivity. Reliable Insights.



# V500 body camera

The V500 is a radical evolution and refinement of our existing body camera platform.

Powerful connected workflows using 4G LTE, WiFi and Bluetooth.

Understand events as they unfold

Capture incidents easily

On-demand offload, lighter workload

Manage hardware from anywhere

Transform intelligence into evidence



# V500 Key Messaging

## 1. Understand events as they unfold

See what your officers see in real time to improve situational awareness, coordinate a more effective response and maintain accountability - no matter where you're based.

## 2. Capture incidents easily

Feel confident that you'll always be able to quickly record crystal-clear evidential video when it matters most.

## 3. On-demand offload, lighter workload

Start building your case sooner. Obtain priority footage over LTE while officers are still in the field, or use the Smart Dock's rapid offload functionality back at the station.

## 4. Manage hardware from anywhere

Deploy your cameras how you want, and minimize downtime with remote management while officers are at work.

## 5. Transform intelligence into evidence

Leverage the power of the end-to-end Motorola Solutions public safety ecosystem to keep your officers, and the public, safe.

## 6. Evidence handling made easy

Make the most of your body camera footage. Add it to an incident, along with in-car video, external media and metadata, for easy, secure sharing and review.



# Excellent Video Quality Full Shift Recording

Losing evidence isn't an option.  
Capture high-definition video with  
pre- and post-recording buffers for  
a full shift - overtime and all.

1080P  
HD

VIDEO



GPS



128GB



# Ruggedized Design & Configurable Buttons

1. **MIL-STD-810H certification and IP67 rating**  
Your body camera works where you do - in rain, wind or snow.
2. **7 x configurable buttons**  
Customize your camera for your role and duties. Use as many or as few controls as required, and enable beeps, vibrations and LEDs.
  - a. 2 x top panel push buttons
  - b. 3 x side panel push buttons
  - c. 1 x front panel large push button
  - d. 1 x 2-position toggle button

1. **Side USB-C port**  
Attach external accessories easily.
2. **Ergonomic, backlit LCD screen**  
Get updates about key camera parameters - such as battery and memory levels - in a simple, easy-to-understand format.



# V500 models & mounting options



Close Fit Mount



Klick Fast Mount



Quick Release Mount



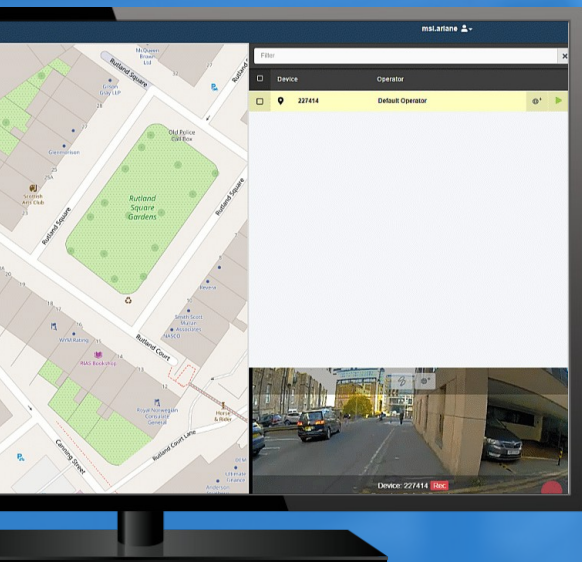
Alligator Clip

**V500 is compatible with all current VB400 uniform mounts**



# Stream over LTE or WiFi

The V500's integral LTE connectivity, and ability to support whatever network carrier you choose, enable you to watch events as they unfold - so if the job takes your team out of WiFi range, you can still see what you need to see, when you need to see it.



LTE data plan required



# Process evidence immediately

The amount of digital evidence you process is growing all the time; but the earlier you can access it, the easier it is to manage. The V500 speeds up evidentiary workflows by enabling officers to tag footage from the camera itself, and then send it to the backend software immediately.

## In-field tagging (coming soon)

Eliminate hassle at the station by tagging videos with the V500's ergonomic, backlit LCD screen mere seconds after capture.

## Offload over LTE

Start processing evidence before an officer's shift has ended. Offload crucial videos securely, from anywhere with network connectivity.



Rubberised buttons for quick navigation



# Radio connection

One button now does the job of two

Rely on muscle memory to capture evidence and call for backup simultaneously by triggering your V500 to start recording immediately when a paired radio enters an emergency state.

Radios are associated with specific users via the V500's backend software, and all recording is fully audited.



# Talking points

## Picking the best body camera solution



If potential customers want LTE, the V500 is a radical evolution and refinement of our industry-leading body camera platform which builds on the strong foundation laid by the VB400.



If potential customers want LTE for specific roles or duties, but are budget-conscious, you can deploy a mixed estate of VB400s and V500s.



If potential customers do not want LTE, the VB400 is still an excellent, proven body camera which surpasses all evidential, security and auditing requirements for national organisations.



# Additional hardware



# Docking stations

## 1-pocket solo dock (lone worker or small site)

- Small and convenient
- Enables charging and offload of video footage to VideoManager via LAN (DockController required) or WiFi
- Powered over USB for a single-wire solution
- SOLO-DOCK SKUs available for VT100 and VB400

## 14-pocket dock (medium-large site)

- Holds up to fourteen cameras
- Enables simultaneous charging and offload of video footage to VideoManager via LAN (DockController required)
- Recommended for use with our RFID scanner
- DOCK14 SKUs available for VT100 and VB400



# DockController

Expand your charging and offload solution to larger fleets of body cameras.

## Features

- Gigabit ethernet connection for rapid downloads
- Enables remote deployments, interconnected over corporate intranet
- Connects up to 6 docks
  - Up to 84 cameras using DOCK14, as a high capacity solution
- Compatible with VT100 and VB400 docks (SOLO-DOCK and DOCK14)
- Connect an RFID reader for automatic camera assignment

Frequently asked question!

Why do I need a dock controller?



# V500 Smart Dock

The V500 10-pocket Smart Dock ensures users can always quickly grab a V500 when they need one; with rapid charging and offload, desk or wall mounting options, and RFID Touch Assign capabilities, it fits seamlessly around your existing architecture and equipment.

Leverage gigabit ethernet to get your evidence into the system quickly and efficiently, as soon as a camera has been docked.

Smart Dock does not need a DockController.

Straightforward UI for easy troubleshooting



# Camera allocation

## Fast camera allocation

### RFID RF-220 Features

- Maximum one reader per DockController or Smart Dock
- Can be shared with other docks
- Can use customer RFID tags if compatible
- Can use MSI-supplied RFID tags
- Users need to register unique RFID serial in Touch Assign field in VideoManager



# Three body cameras, one solution

With a portfolio of proven, industry-leading products, you can create a mixed fleet of cameras that meets your exact requirements.



# VideoManager

Efficient, secure video evidence processing.



# VideoManager

Device and evidence handling made easy

## Flexible

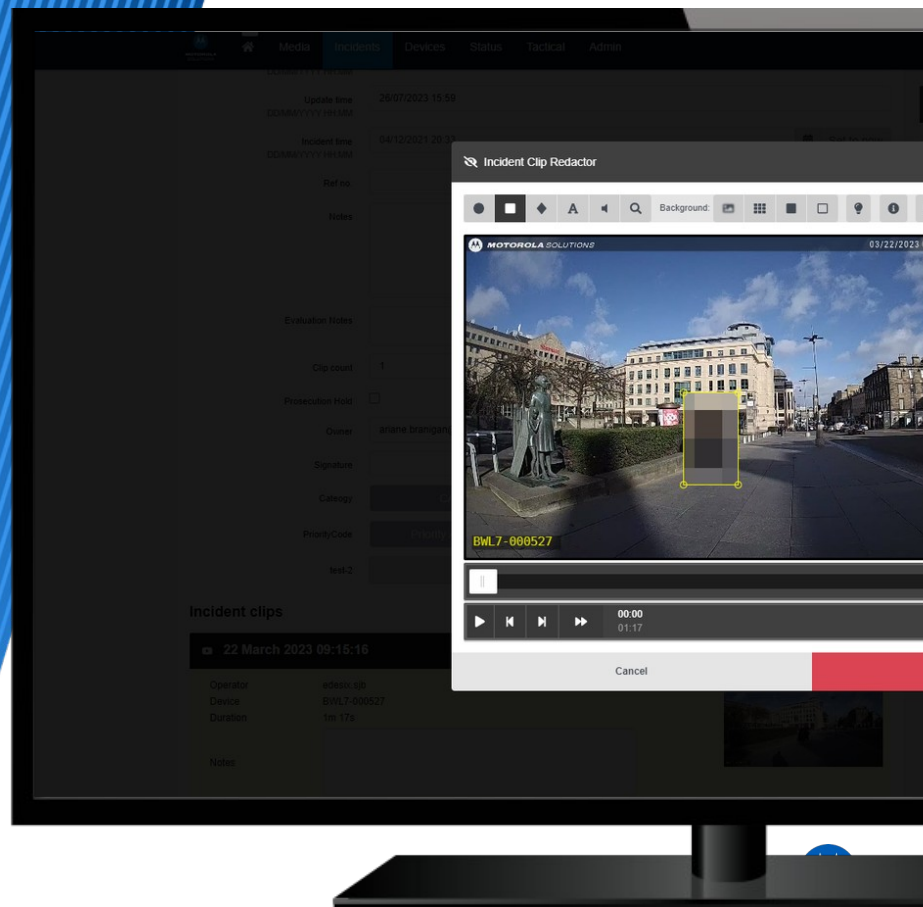
On-prem, cloud or hybrid deployment

## Device management

Assign cameras to users and manage permissions

## End-to-end

Covering every step of a video's journey - from ingest to basic redaction to deletion.



# All devices work with VideoManager



LTE connectivity for specialised operations

Shared backend software



Cost-effective, proven solution for everyday operations



# Align your system to your needs

## Deploy how you want

### Distributed site architecture

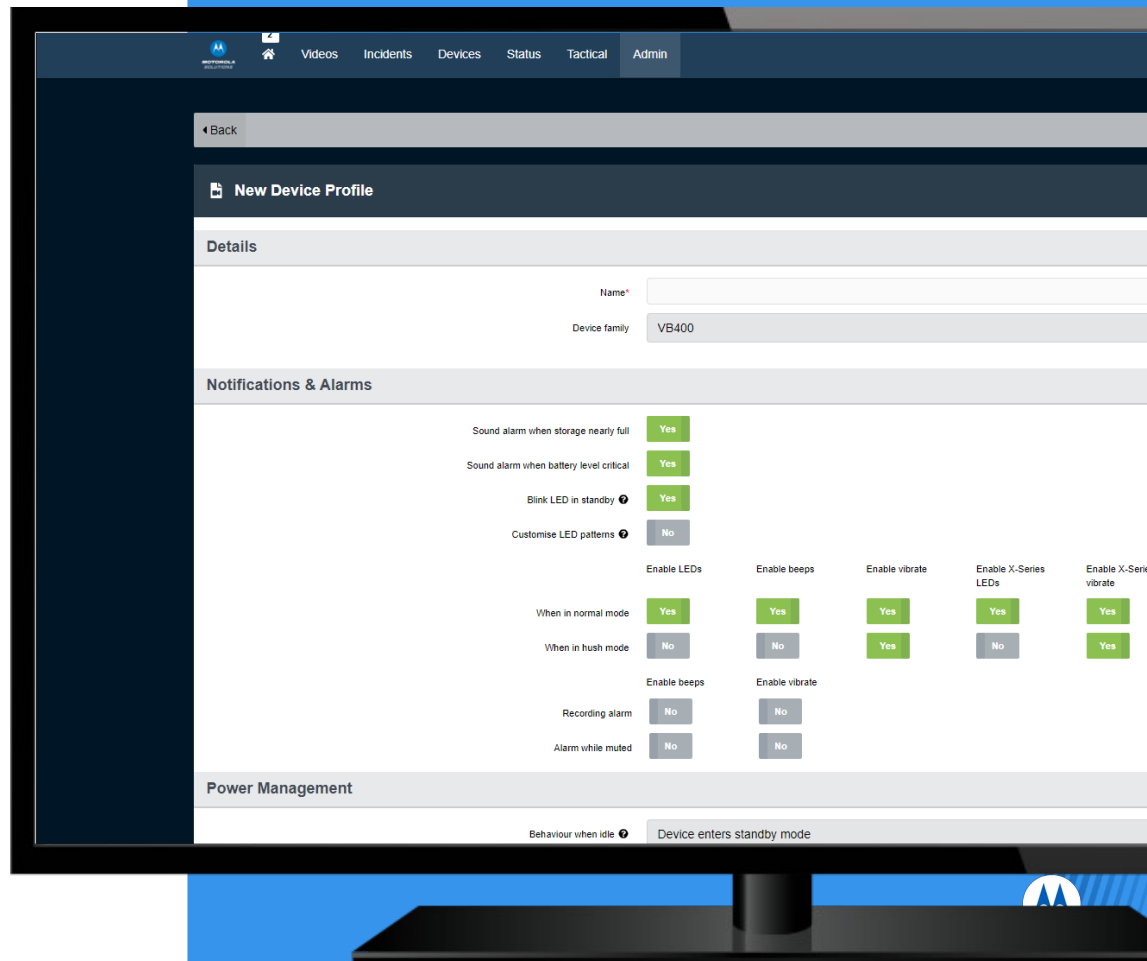
Ensure lone workers and satellite offices can still easily access and handle digital evidence, regardless of local network infrastructure.

### Custom UI colours

Import your own logo and colour scheme, ensuring the user experience is uniform across your organisation.

### Custom language packs

No matter your language or terminology - VideoManager can accommodate your team.



# Optimize devices for every user

## Granular device profiles and settings

Adapt your cameras to your organization, not the other way around - from LED behaviour and haptic feedback, to video and audio settings.

## Automatic firmware upgrades

Enable automatic upgrades so your firmware is updated alongside your software, and minimise system disruption by restricting upgrades to specific times.

## Pool and individual assignment options

Easily associate users with cameras for a complete chain of custody ahead of time, so operators can grab a **body camera** and get going at the start of their shift.



# From capture to closure, all in one

## Prepare evidence easily

### Redaction and transcription

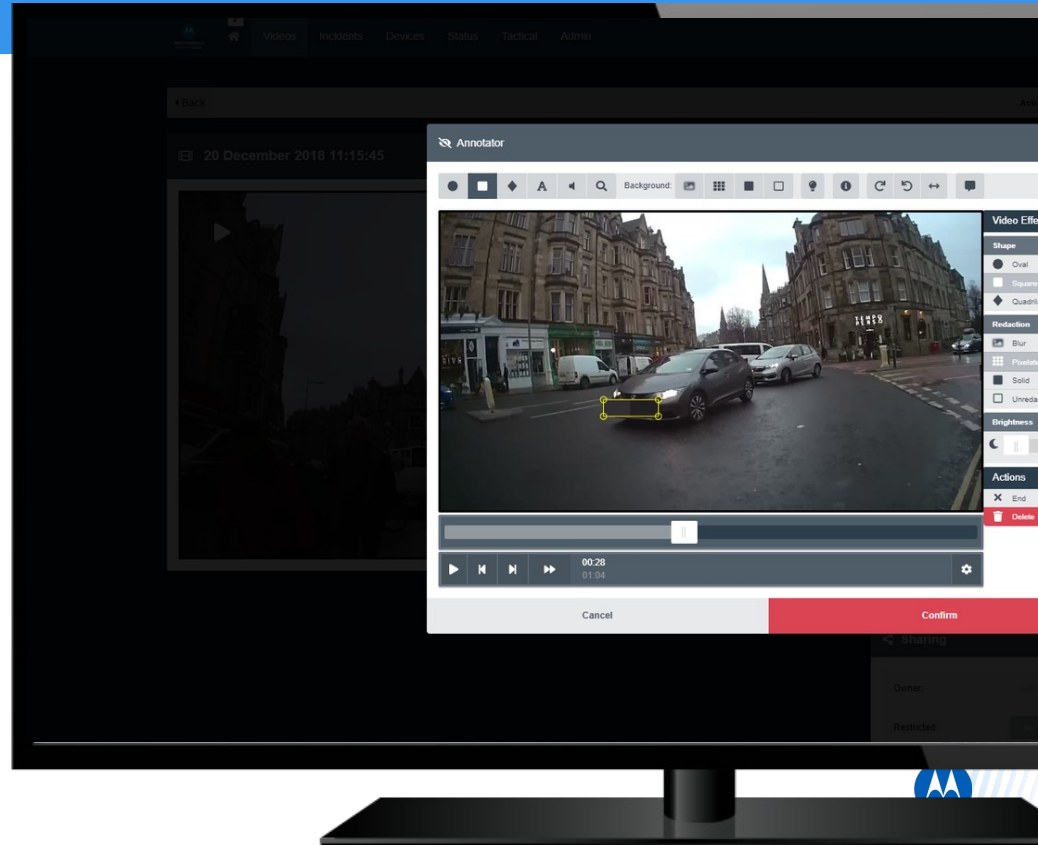
Comply with local laws and regulators by redacting sensitive information including number plates and faces with blurring and pixelation tools.

### Custom tagging

Metadata isn't one size fits all. Whether you need checkboxes, dropdowns, free text or date and time, there's a custom field which meets your purposes.

### Incident creation

Collate crucial media into one location to facilitate sharing with both internal and external reviewers, either manually or automatically.

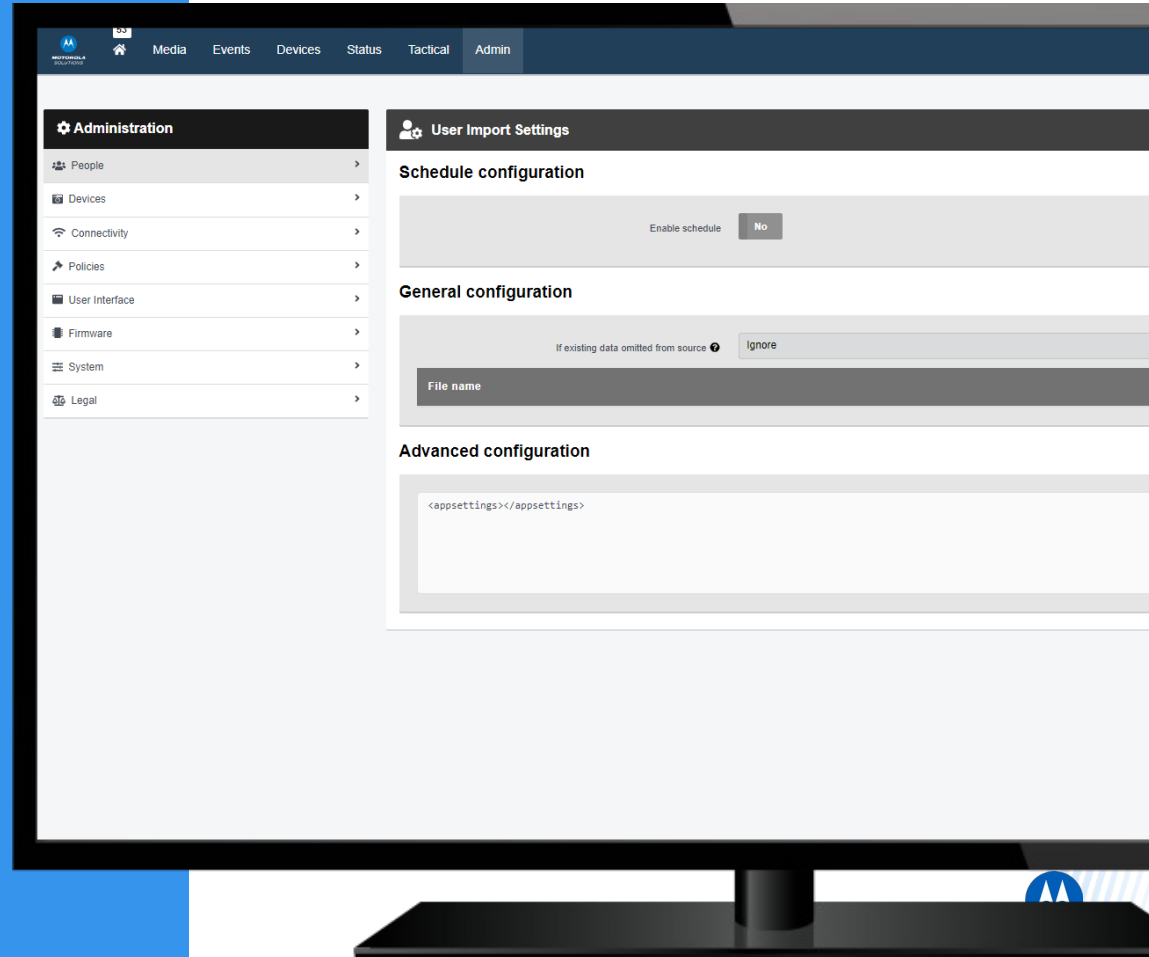


# Automate away the inefficiencies

## Synchronise systems & databases

### User database synchronisation

Ensure joiners and leavers are always accounted for - VideoManager's built-in user import tool can automatically import user accounts at specific times of the day.



# Automate away the inefficiencies

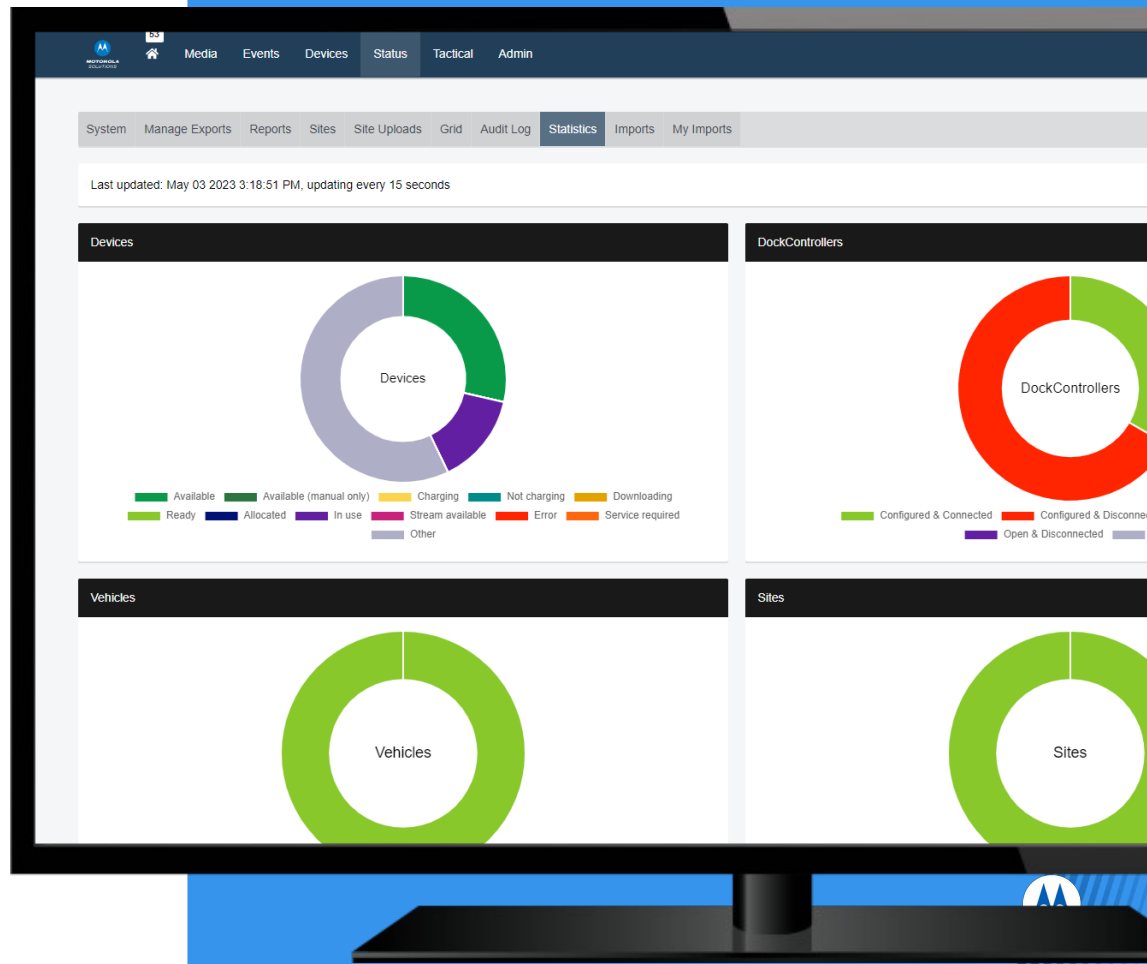
## Gain high-level insights

### Scheduled system reports

Get regular updates on the parameters which matter most to you - whether that's the amount of media you're handling or the number of incidents being created.

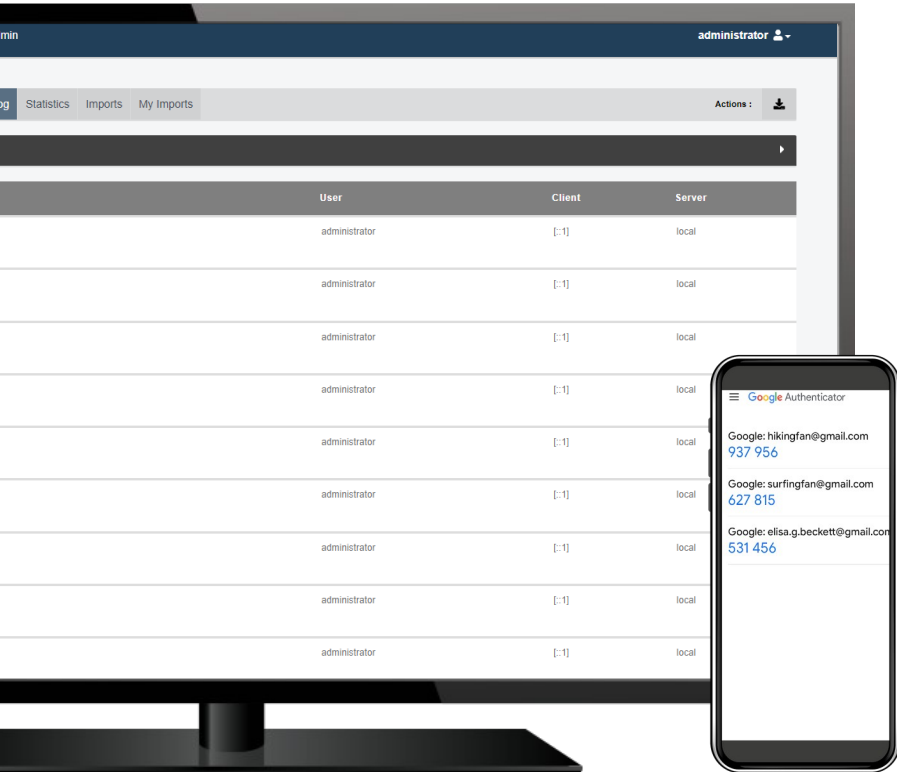
### Real-time statistics dashboard

See live information about your system at-a-glance, including device usage and user activity.



# Keep your data safe & compliant

Protect your system



## Two-factor authentication

Optionally requires users to provide a code sent to an Authenticator app, or click a link in their inbox, before gaining access to VideoManager.

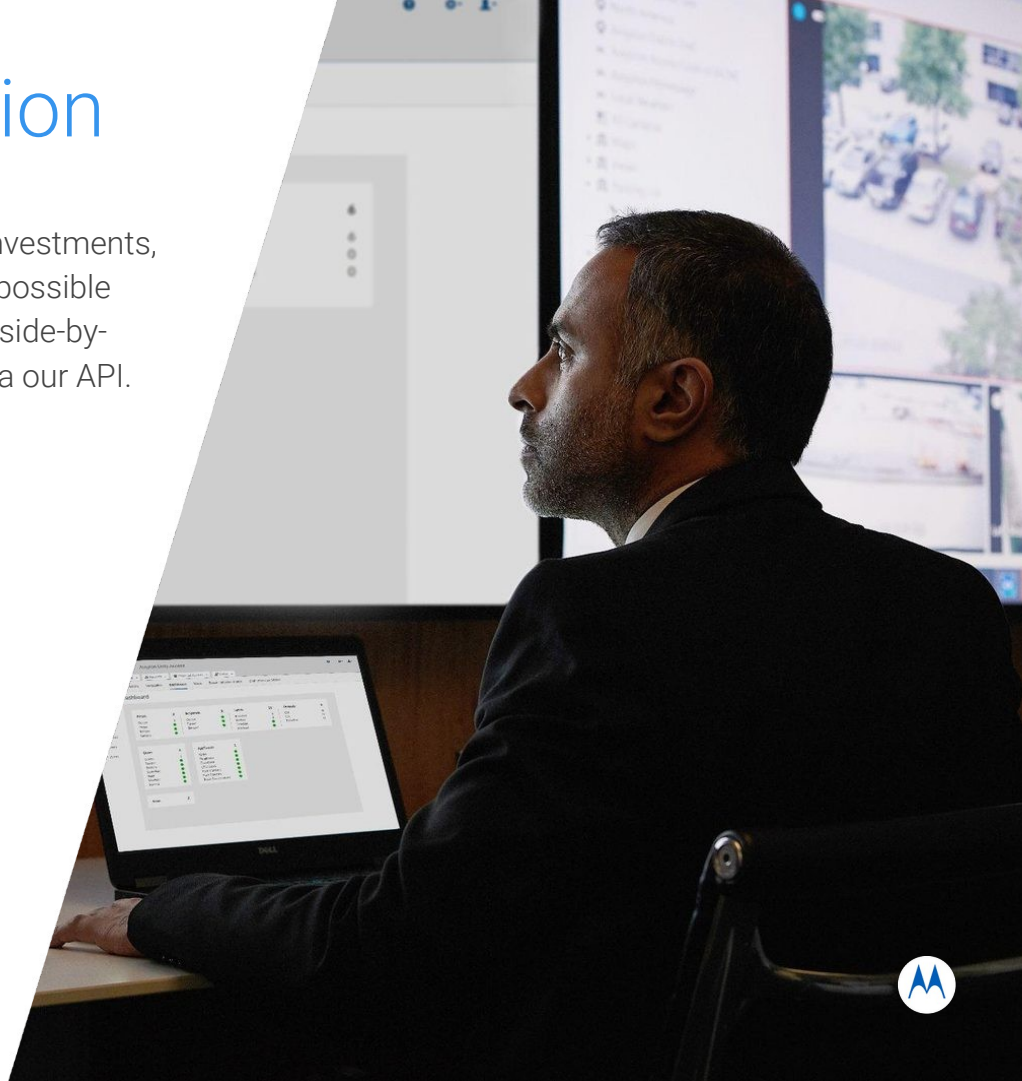
## Audit log

Maintaining oversight is crucial, especially when your system is handling large volumes of sensitive data. VideoManager's audit log automatically records every action taken on the system, from the moment a user logs in.



# 3rd party VMS connection

With the ability to stream to your existing technological investments, you can leverage the most information to make the best possible decisions. Gain a new perspective by viewing fixed video side-by-side, or broadcast location and video to other software via our API.



# Distinctly different

## Why Motorola Solutions?



### Chain of custody

Maintain a clear chain of custody and have 100% control of the recorded footage - watch, delete, share evidence for legal and investigative processes.



### Workflow connection

Streamline workflows, improve response times and decision-making by having a direct connection to video surveillance and two-way radio systems.



### Total cost of ownership: reliability, quality, cloud storage

From initial hardware investment to maintenance, secure data storage, software licensing and training. Choose a manufacturer that offers flexible models that work for you.



# Summary

What body camera and device/evidence management software does Motorola Solutions offer to the enterprise market?

- VT100
- VB400
- V500
- VideoManager

Why are body cameras important?

- Deter aggression
- Training tool
- Loss prevention
- Streamline evidence





Solving for safer  
communities  
schools  
hospitals  
stadiums  
businesses  
everywhere



# VideoManager

Efficient, secure video evidence  
processing

[SPEAKER NAME]  
00/00/2023

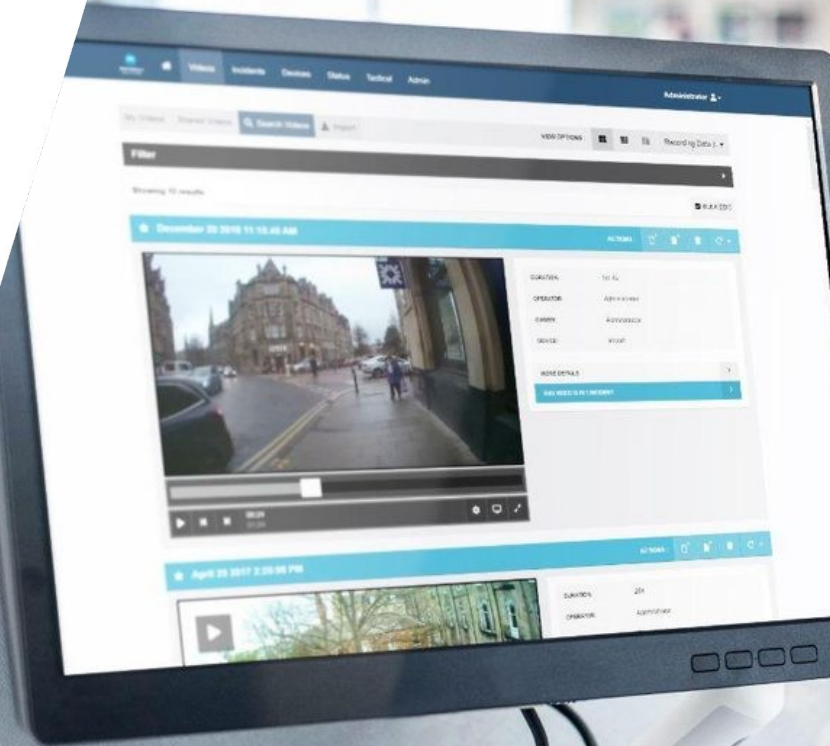


**MOTOROLA SOLUTIONS**

# Why VideoManager?

Your body cameras are only as good as the evidence management software that supports them.

VideoManager is designed to be very easy to configure and use, both when managing body cameras and processing the evidence they record.



# VideoManager

Advanced software for managing body cameras

- Integrates with Unity Video software
- Web-based access
- Secure and comprehensive audit trail
- System agnostic
- Data retention controls
- Sophisticated footage search



# Body cameras

## Safety and Security Bundles

05/2024





Retail



Healthcare

# Focused Industries



Hospitality



Security



# Challenges facing hospitality workers

**62%** of hospitality workers experienced disrespect from customers<sup>1</sup>

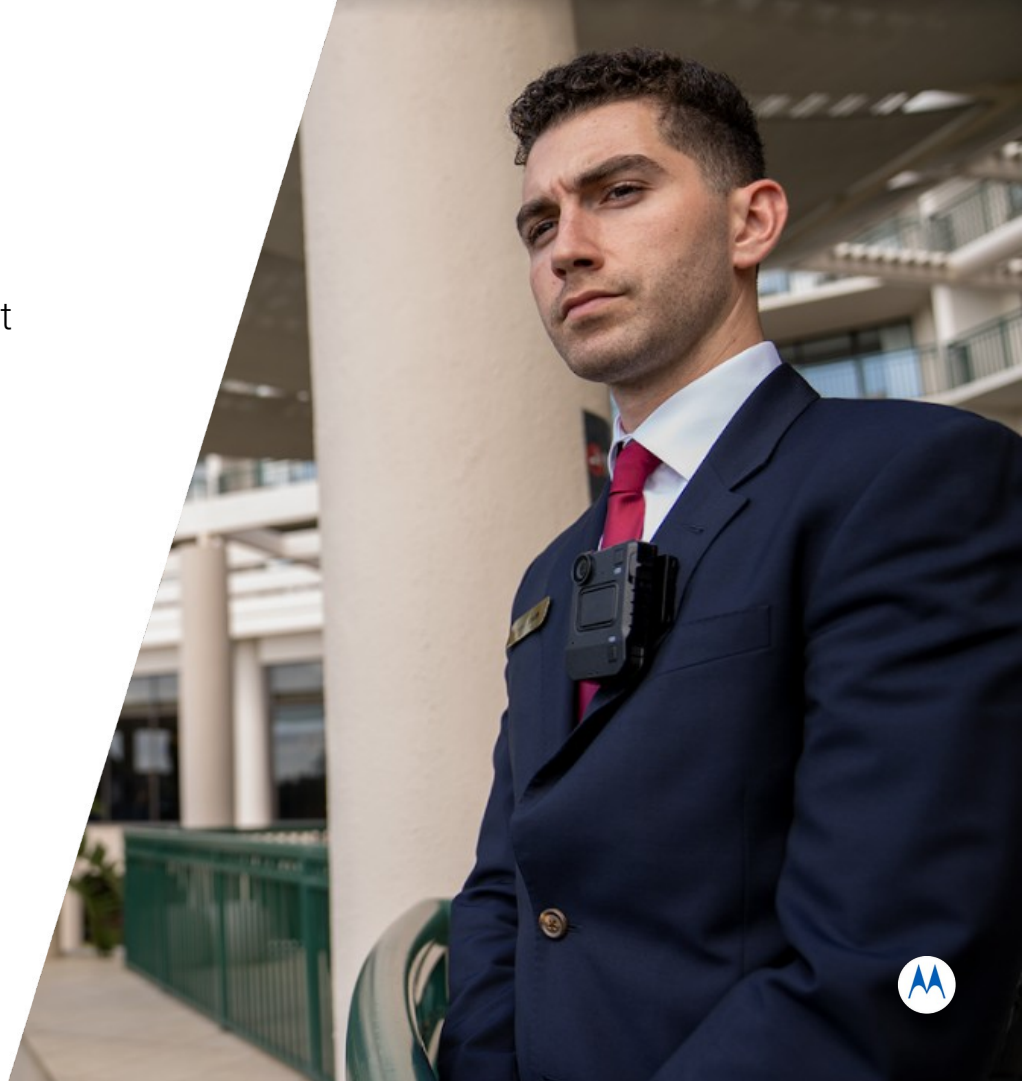
**10.2%** of hospitality jobs were left open<sup>2</sup>

**706,000** hospitality workers left their jobs (5%)<sup>3</sup>

1. NBC News (2022)

2. Business Insider (2021)

3. Lanctôt and Guay (2014:493)



# Challenges facing educators

**40%** of teachers experienced verbal abuse from parents<sup>1</sup>

**50%** of teachers wanted to change jobs<sup>2</sup>

**22%** of school staff members experienced at least one instance of violence<sup>3</sup>



1. NBC News (2022)

2. Business Insider (2021)

3. Lanctôt and Guay (2014:493)



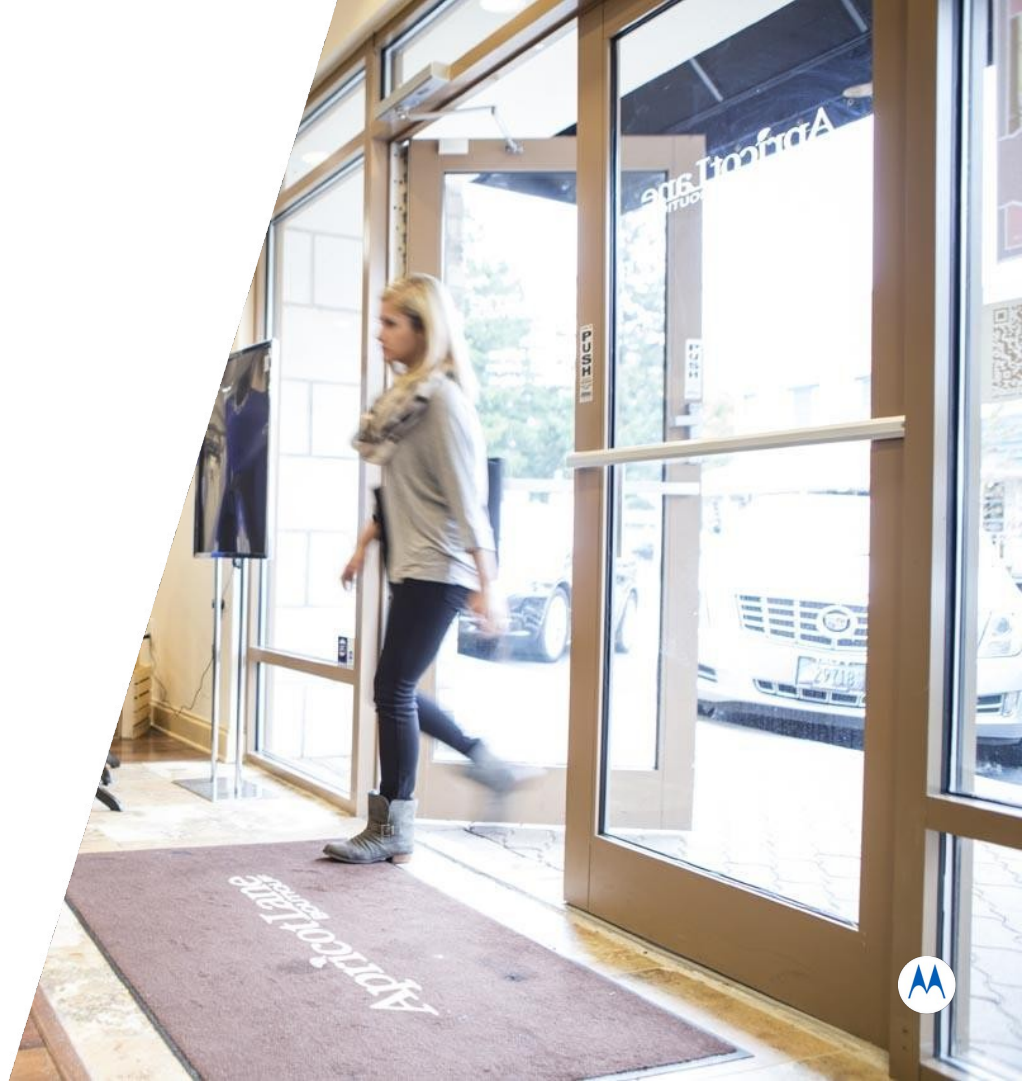
# Challenges facing retail workers

Recently...

**>90%** of retail workers experienced verbal abuse<sup>1</sup>

Reports of violence in convenience stores have risen by **75%**<sup>2</sup>

**39%** of retail workers were considering quitting due to threats and violence<sup>3</sup>



1. NBC News (2022)

2. Business Insider (2021)

3. Lanctôt and Guay (2014:493)



# Challenges facing healthcare workers

**1/3** of healthcare workers experience physical assault from patients<sup>1</sup>

**1/4** of nurses are assaulted on the job<sup>2</sup>

**75%** of workplace assaults take place in healthcare settings<sup>3</sup>

Healthcare workers are **5x** more likely to experience abuse than other workers<sup>4</sup>

1. NBC News (2022)
2. Business Insider (2021)
3. Lanctôt and Guay (2014:493)
4. SHP online (2021)



# Why body camera and two-way radio?



Maximize  
Protection



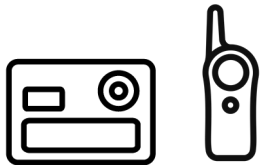
Enhance  
Security



Strengthen  
Evidential Integrity



# How will this bundle support your team?



## ACTIVATE RECORDING

When a customer attempts to conceal merchandise, the cashier informs the security team via radio while recording the incident on the VT100.



## IMMEDIATE SUPPORT

Security personnel equipped with a VB400 body camera with a MOTOTRBO™ two-way radio promptly respond to deter theft and apprehend offenders when necessary.



## STREAMLINE EVIDENCE

Additionally, the captured footage on the VT100 and VB400 serves as valuable evidence for investigations and reinforces training efforts, fostering a culture of accountability and security awareness among staff.



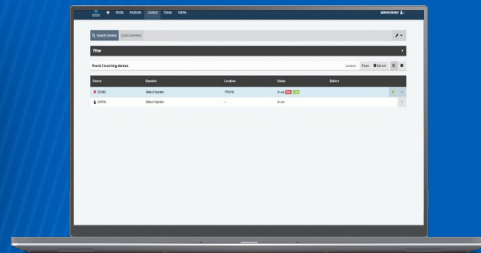
# Security Bundle: Video + Voice

## Impact on retail stores

- Enhanced Security Response: communicate effectively while sharing live video feeds, enabling them to get immediate response from the SOC
- Loss Prevention: quickly identify and respond to potential theft or shoplifting incidents, minimizing losses and deterring future criminal activity.
- Training and Supervision: Provide immediate feedback and guidance to staff members while monitoring their performance through video footage.



VB400  
Body Camera



VideoManager



Evolve.  
Smart  
Handheld

Ion. XPR 3000e. SL 3500e. R7.  
MOTOTRBO Two-Way Radios



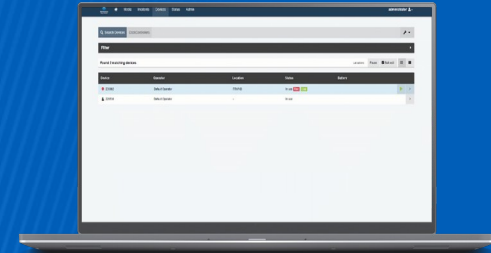
# Safety Bundle: Video + Voice

## Impact on retail stores

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- Loss Prevention: quickly identify and respond to potential theft or shoplifting incidents, minimizing losses and deterring future criminal activity.
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VT100  
Body Camera



VideoManager



TLK25  
Retail Communicator



Curve  
Business Two-Way  
Radio



# The Power of Video + Voice

Keep everyone on the same page



Address security concerns



Assist customers



Manage everyday operations



Foster a culture of transparency



### 3 Takeaways for...

#### Why pair body cameras and two-way radios?

- Maximize protection
- Enhance security
- Strengthen evidence trail

#### How will a security bundle support your business?

- Deter aggression
- Immediate support
- Streamline evidence

#### Which bundle works best for my business?

- VB400 and/or VT100 body cameras



# Align your system to your needs

## Deploy where you want

### On-premises

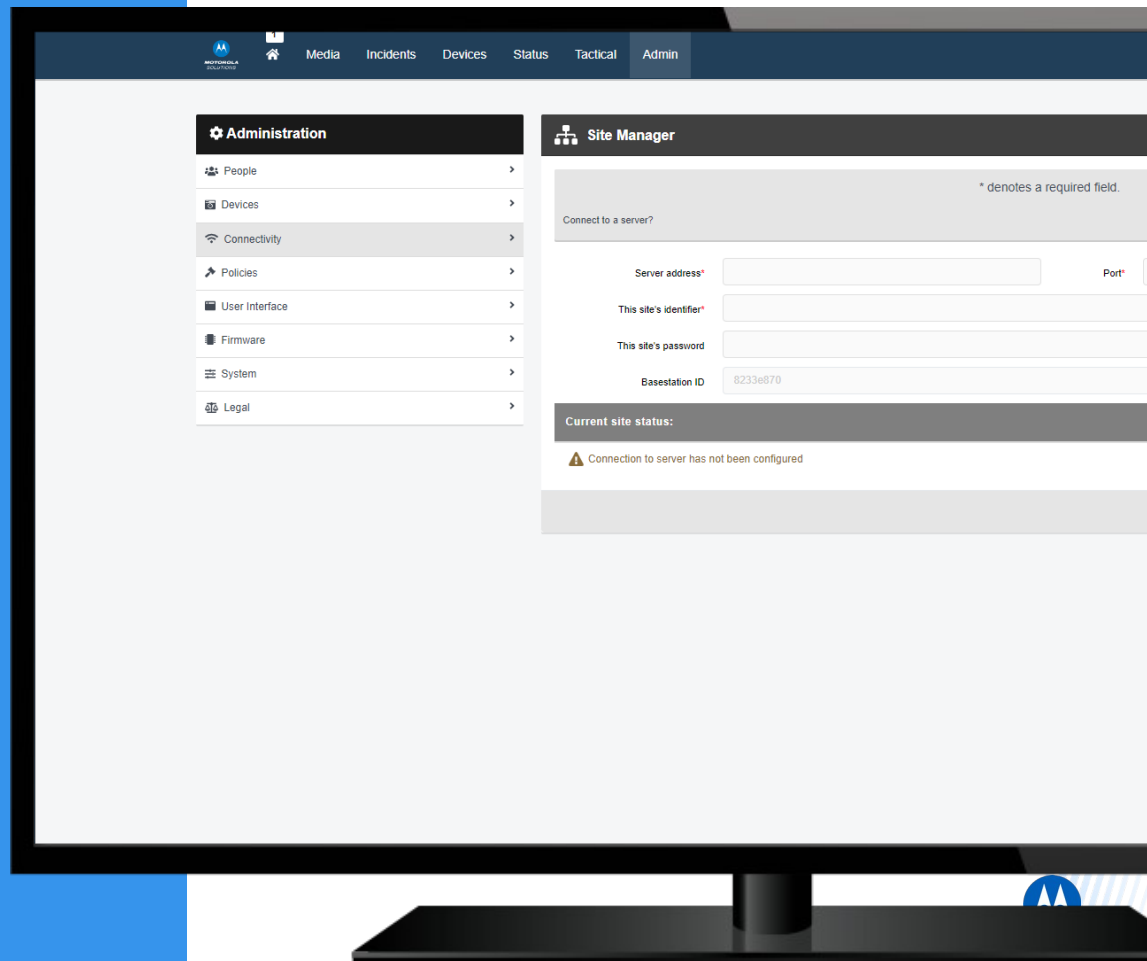
Host VideoManager, and your footage, on your own servers for complete control over sensitive data and security policies.

### In the cloud

Use a dedicated, organisation-specific instance of VideoManager, hosted by us, for upgrades managed on your behalf.

### Hybrid

Combine the benefits of both on-premises and cloud software - seamlessly.



# From capture to closure, all in one

Import any media, no matter its source or size

## Manual import

Drag and drop multiple media files into VideoManager, then import all of it with the single click of a button.

## Automatic import

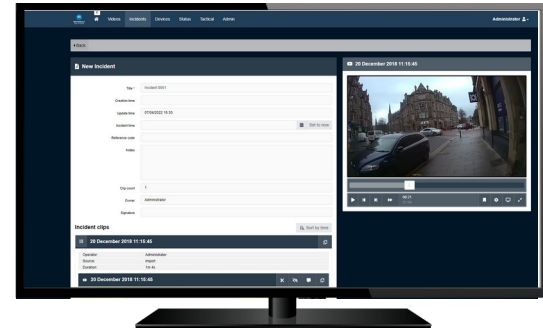
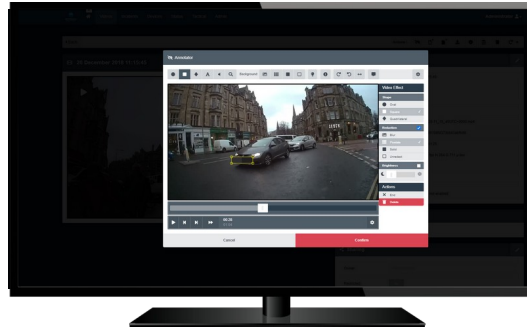
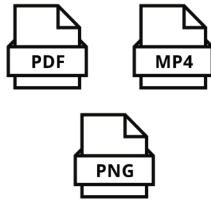
VideoManager's built-in API enables you to automatically import external media from another database or system.

Supported file formats include:



# From capture to closure, all in one

An end-to-end evidentiary workflow



Ingest

Prepare and retain

Share



# Keep your data safe & compliant

Protect your evidence

## Playback reasons and watermarks

Customizable playback reason fields require users to provide a rationale for viewing a piece of media, and video watermarks discourage illicit screen recordings.

## Media encryption

All media uploaded to VideoManager - whether it comes from body cameras or other external sources - is encrypted at-rest using symmetric AES-256 encryption.

