



**M500**


# NOW OBSERVATION BECOMES ACTION

**M500 IN-CAR VIDEO SYSTEM**



**MOTOROLA SOLUTIONS**





**THE MORE YOU  
KNOW WHAT'S  
OUT THERE, THE  
MORE YOU CAN  
KEEP YOURSELF  
AND THE PEOPLE  
YOU SERVE SAFE**

SCAN.  
ANALYSE.  
REACT.



## INTRODUCING THE M500 IN-CAR VIDEO SYSTEM

A groundbreaking leap forward in  
**awareness, safety, and efficiency.**







## MISSION-CRITICAL DESIGN

### USE WITH CONFIDENCE IN THE TOUGHEST CONDITIONS

Built on exacting research and real-world feedback, the M500 is designed to withstand the toughest conditions and to work intuitively in the most demanding situations.





**AN INTUITIVE  
INTERFACE MAKES  
IT SIMPLE TO  
OPERATE, WITH NO  
FUNCTION MORE  
THAN THREE  
TAPS AWAY**



The easy-to-install system has a minimal footprint, with small form-factor devices providing unobstructed views.

Ultra-durable camera mountings lock into position to resist tampering and impacts.

An intuitive user interface makes it simple to operate, with no function more than three taps away.

Footage is securely encrypted - at rest and in transit - to combat cyber threats.

Even if your vehicle is in a serious collision, the system can switch to a built-in UPS (Uninterruptible Power Supply) to continue capturing evidence for those vital extra seconds.





## INDUSTRY-LEADING VIDEO

**CATCH THE CRITICAL DETAILS OTHER CAMERAS MISS**

With industry-leading video capture and playback, the M500 delivers a clear record of every incident.





**THE 4K FRONT  
CAMERA CAN  
RECORD IN  
CRYSTAL-CLEAR  
1080P, WITH  
PANORAMIC AND  
FOCUSED VIEWS**

The front camera and cabin camera deliver the high-resolution footage you need to precisely document events as they unfold.

The front camera creates wide angle and focused streams, each in dual resolution, to ensure you capture the whole picture.

That visual detail and data drives the M500's AI capabilities, so it can accurately analyse events, flag threats, and identify search targets in real time.

The cabin camera's built-in infrared floodlight illuminates the passenger compartment to record every action that occurs.

And the ultra-high resolution touchscreen control panel lets you monitor what's out there, review past events, and see exactly what you need to know.

# CAPTURE







## EMBEDDED INTELLIGENCE

### KNOW WHAT'S OUT THERE WITH REAL TIME AWARENESS

Far more than an eye recording what it sees, the M500 is a brain analysing everything around you and flagging what you need to know.





Inside the vehicle, object detection analytics activate the cabin camera if, and only if, the back seat is occupied.

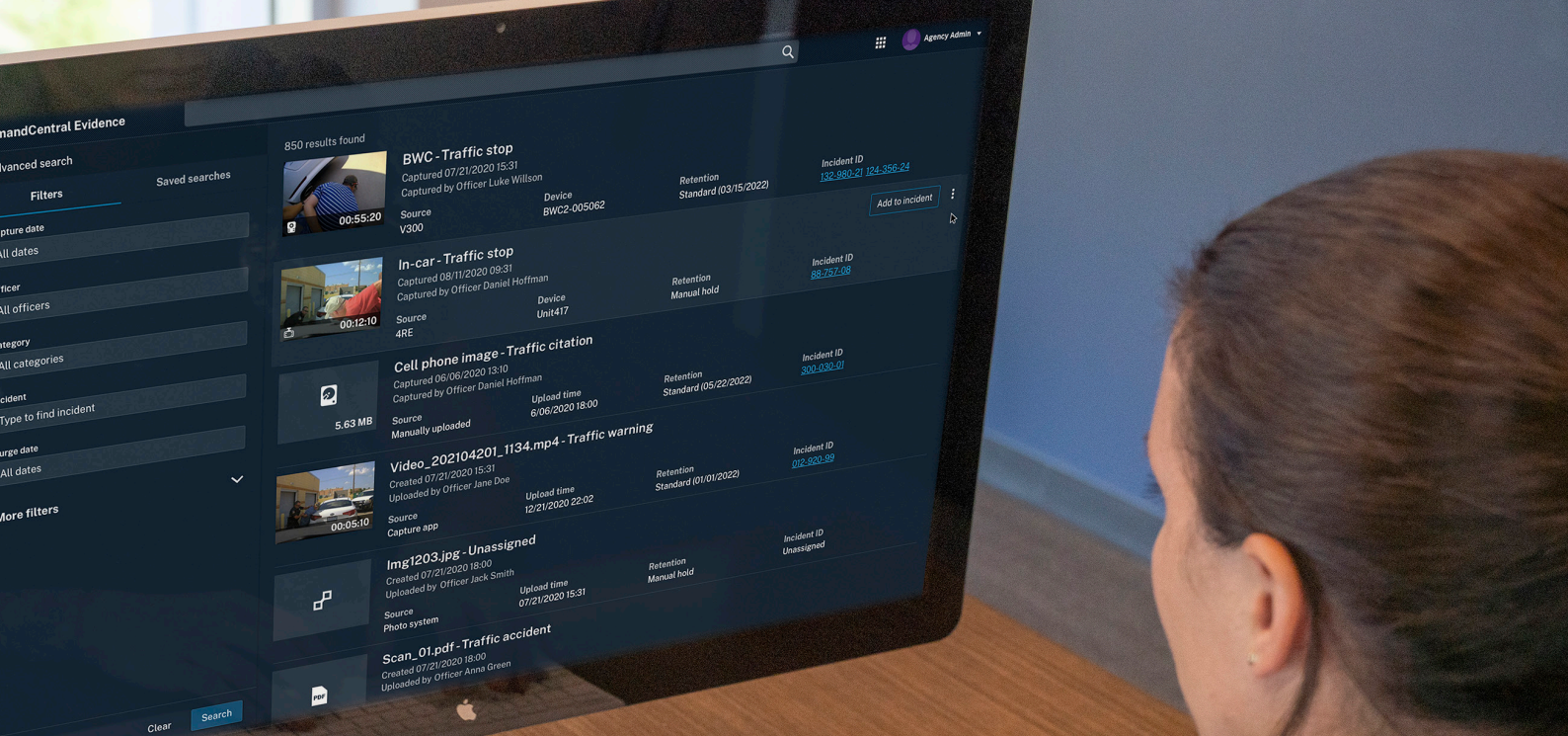
Exhaustive testing helps ensure our algorithms provide accurate, unbiased results so you can serve your communities fairly and responsibly.

A combination of edge algorithms are carefully orchestrated to give you the quickest, most accurate results.

You always have critical information you need to make smarter, faster decisions, to keep everyone safer.







## POWERFUL ECOSYSTEM

### CONNECT YOUR TECHNOLOGY TO WORK SAFER AND SMARTER

As part of the Motorola Solutions technology ecosystem, the M500 amplifies the capabilities of the mission-critical technology you already count on.



**CREATE GROUP  
RECORDINGS WITH  
VB400 BODY-WORN  
CAMERAS, FOR  
MULTIPLE  
VIEWPOINTS ON  
EVERY INCIDENT**

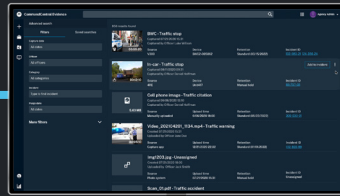


# CAPTURE    MANAGE    REVIEW    SHARE



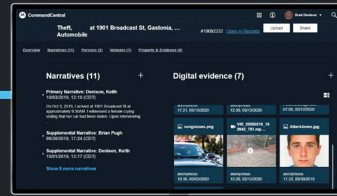
## WIRELESS VIDEO UPLOAD

Use Wi-Fi and LTE to upload events from M500 to our Evidence Management Platform



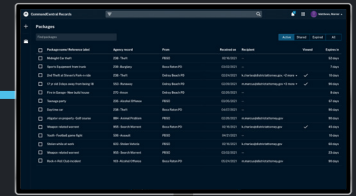
## DIGITAL EVIDENCE MANAGEMENT

Aggregate and intelligently organise M500 video and other media in our Evidence Management Platform



## CONSOLIDATED RECORD VIEW

Easily view all incident information, including the digital evidence, from one location



## JUDICIAL SHARING

Securely share with prosecutors, other agencies and the community with chain of custody intact



## AUTOMATED TRANSCRIPTION

Save valuable time by automatically transcribing audio and video files.



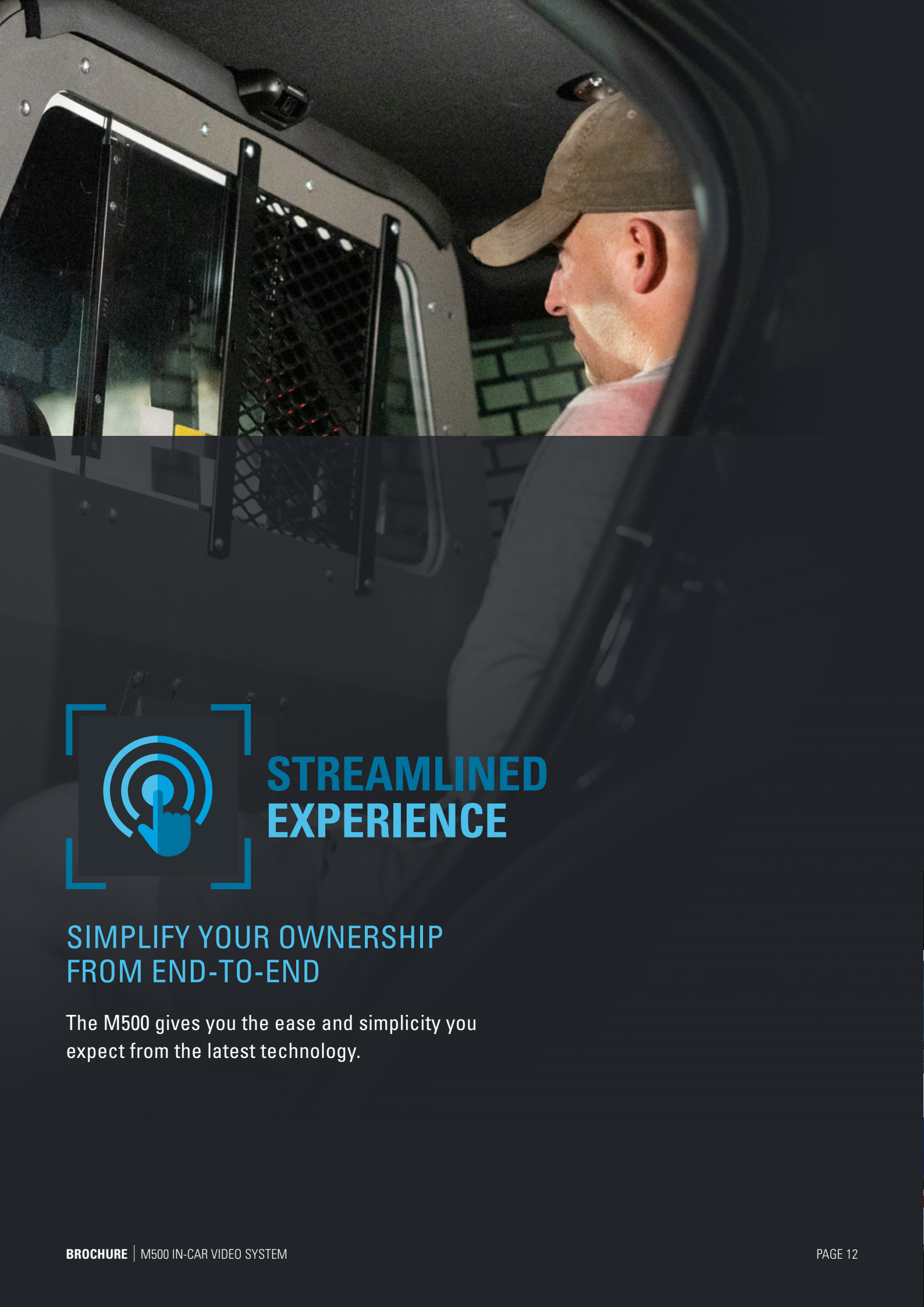
## VIDEO REDACTION TOOLS

A robust suite of native redaction tools help protect personally identifiable information.



## SYNCHRONISED PLAYBACK

Simultaneously see and hear recorded video and audio from multiple devices.

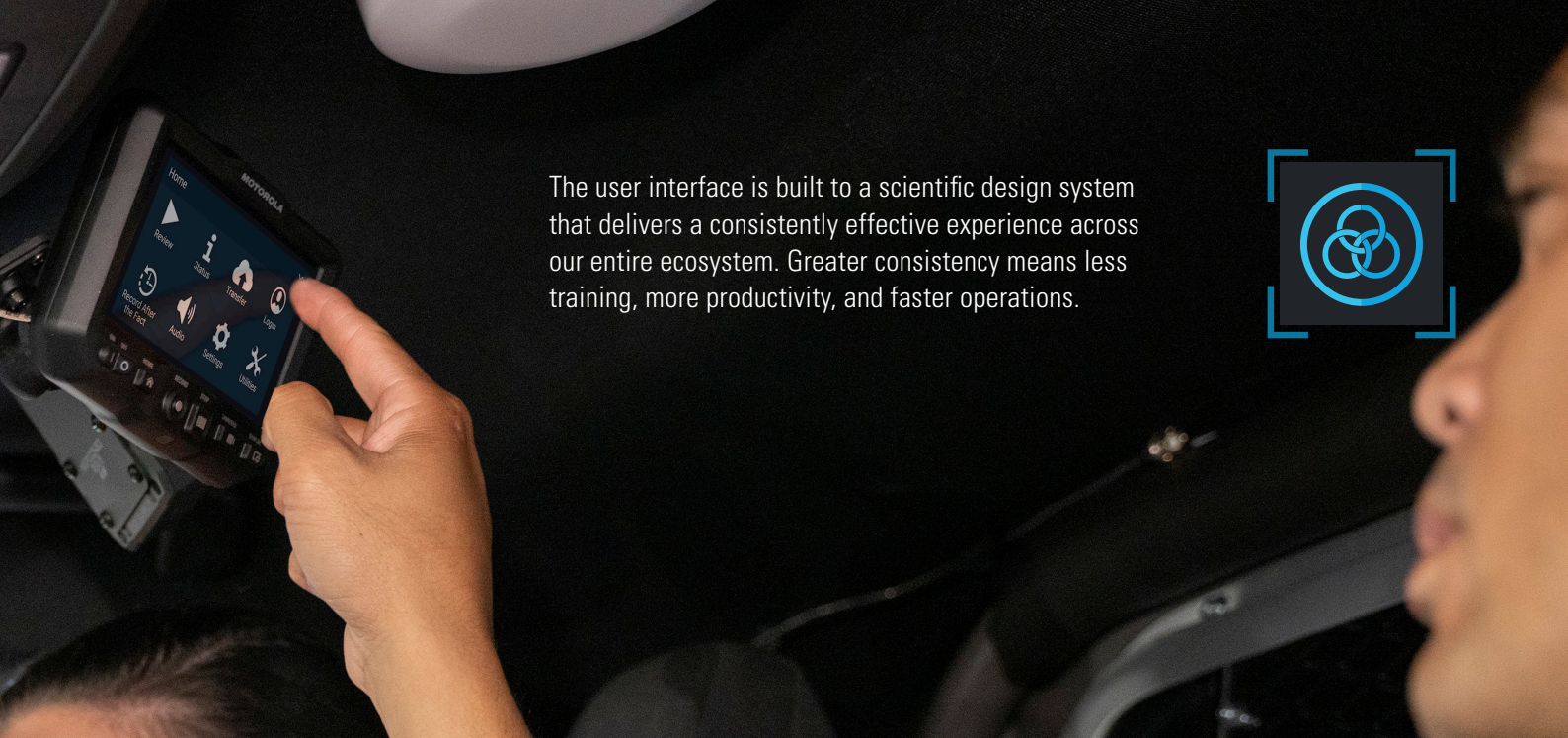


## STREAMLINED EXPERIENCE

### SIMPLIFY YOUR OWNERSHIP FROM END-TO-END

The M500 gives you the ease and simplicity you expect from the latest technology.





The user interface is built to a scientific design system that delivers a consistently effective experience across our entire ecosystem. Greater consistency means less training, more productivity, and faster operations.



**ADD NEW AI  
APPLICATIONS,  
CAMERAS,  
SENSORS, VOICE  
CONTROLS, AND  
INTEGRATIONS  
AS YOUR NEEDS  
CHANGE.**

The moment you log into the M500, your settings and preferences are automatically applied - whichever vehicle you're in.

The system is easy to install and can be remotely programmed and updated via the cloud or Wi-Fi connection.

Video can be livestreamed and uploaded via broadband connection directly into the video management platform.

Our comprehensive warranty and support services give you complete peace of mind.

And the entire system is designed to evolve alongside you. You can easily add new AI applications, cameras, sensors, voice controls, and integrations as your needs and operations change.





# SPECIFICATIONS

## M5F FRONT CAMERA

- 4K (8MP) sensor
- Delivers 1080p video evidence as panoramic and focused field of view
- 1.7 sq in BL-CMOS automotive-grade sensor
- Excellent low-light performance
- Calibrated and locked into position at installation



## M5P CABIN CAMERA



- 1080 resolution (4 MP)
- Built-in infrared illumination
- High-grade microphone with wind porting
- Complete cabin coverage
- IP54, with built-in lens de-fogging
- Calibrated and locked into position at installation

## M5R REAR CAMERA

- 1080 resolution
- Viewing Angle 108° / Wide view
- Low Light Performance 0.07 lux
- Sensor Technology CMOS
- Environmental Protection IP54





# SPECIFICATIONS

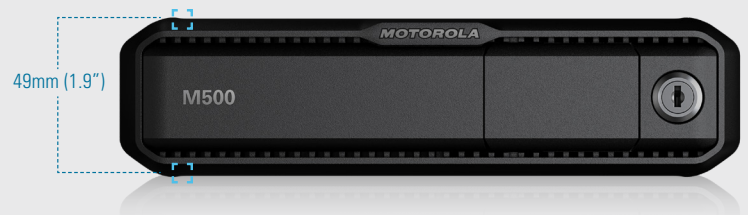
## M5D CONTROL PANEL

- Screen size: 127mm diagonal
- Resolution: 1920 x 1080 pixels
- Industrial-grade capacitive multi-touch screen
- 7x dedicated buttons for critical features
- Standard, covert and dark modes
- Silicone overmold for secure grip
- Built-in ambient light sensor



## M500 CORE PROCESSOR

- Powerful multi-processor architecture
- Optimised for video analytics
- 1 TB automotive-grade solid-state hard drive
- 128 GB removable USB drive (keyed access)
- AES256 encryption on all stored content
- Accelerometer for impact detection
- Supports up to 5 cameras (3 at launch)
- Built-in GPS
- Remote triggers
- Integrated with VB400 body-worn cameras for group recordings
- Record-after-the-Fact™ evidence recovery technology
- Built-in UPS (approx 10 secs of operation if power is lost)







For more information, please visit  
[www.motorolasolutions.com/M500](http://www.motorolasolutions.com/M500)

Motorola Solutions Ltd. Nova South, 160 Victoria Street, London, SW1E 5LB, United Kingdom.

Availability is subject to individual country law and regulations. All specifications shown are typical unless otherwise stated and are subject to change without notice.

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