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.

M500

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.

DESIGN

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.

The M5R rear camera can widen your scope by capturing video evidence from behind the Police vehicle even in lowlight conditions

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

Simultaneously analyzing video while it's recording evidence, it's designed to keep you and your communities safer.
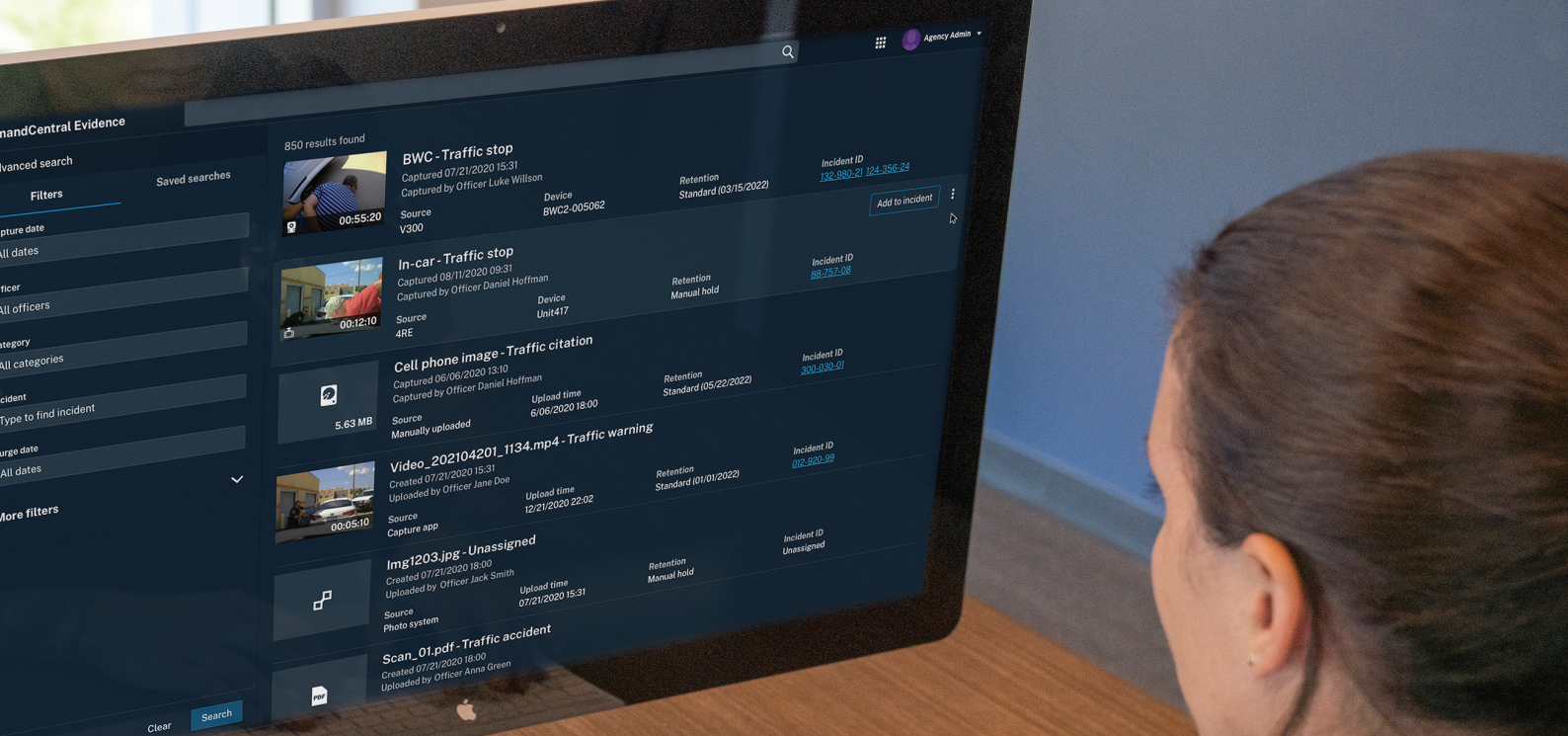
Inside the vehicle, human form detection analytics activate the cabin camera if, and only if, the back seat is occupied.

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.

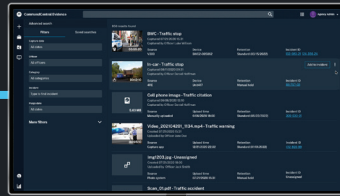# CREATE AN INCIDENT THAT INCLUDES FOOTAGES FROM BOTH VB400 AND M500 IN VIDEOMANAGER
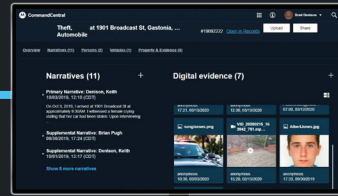
CAPTURE   MANAGE   REVIEW   SHARE

WIRELESS VIDEO UPLOAD

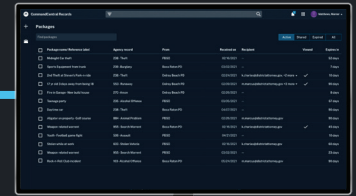Use Wi-Fi and LTE to upload events from M500 to VideoManager

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.
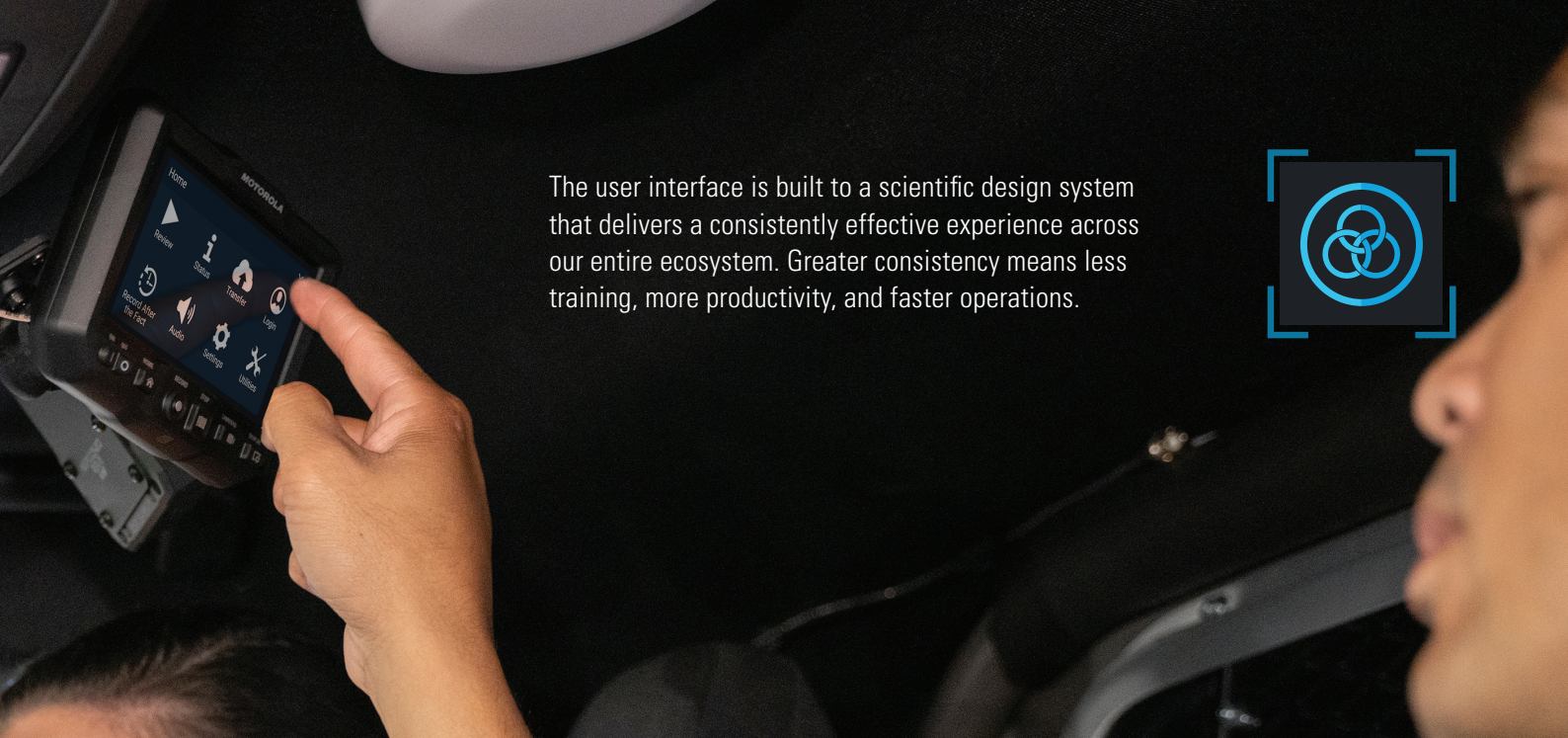
SYNCHRONISED PLAYBACK

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

40mm (1.6")
43mm (1.7")
69mm (2.7")

M5P
CABIN CAMERA

48mm (1.9")
39mm (1.5")
113mm (4.5")

- 1080 resolution (4 MP)
- Built-in infrared illumination
- High-grade microphone with wind porting
- Complete cabin coverage
- 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

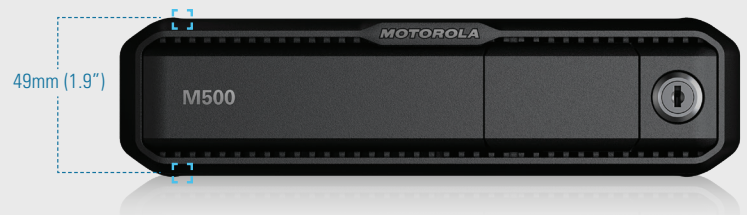70mm (2.7")
65mm (2.5")
41mm (1.6")

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 3 cameras
- 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)

110mm (4.3")

144mm (7.0")

36mm (1.4")

171mm (7.0")

180mm (7.7")

49mm (1.9")

M500

For more information, please visit

www.motorolasolutions.com/M500

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