

Safe Fleet® FOCUS® H3™

Intelligent In-Car Video System

The Focus H3 is a complete, scalable in-car evidence capture solution built for law enforcement. It features integrated ALPR, secure cloud upload, and failsafe recording. With encryption and smart power use, it protects media while minimizing impact. Designed for ease of use and future integration, it offers predictable costs and seamless operation.



Real-Time Cloud Integration & Connectivity

Designed to work with a wireless networking device, the H3 utilizes real-time cellular connectivity for secure uploads, smart alerts, and instant access to critical footage – powered by Safe Fleet Smart Cloud on Microsoft Azure® Government. Compatible with AT&T FirstNet®, Verizon Frontline®, and T-Priority™ for prioritized public safety communications.

Vehicle Intelligence (VI) – ALPR

Supports video analytics like vehicle ID and object detection – processing data in real time to boost officer awareness and assist with routine tasks.

FailSafe Technology

Ensure critical video is always captured, record to a secure 256GB internal drive even if the system isn't manually triggered.

High-Definition Video, Smaller File Size

Configurable HD cameras provide high efficiency video compression for improved evidence capture, transfer, and management.

Automatic System Updates

Seamlessly download software updates and system configurations wirelessly to minimize human error and prevent downtime during the update process.

Rugged Design

Meets military specification MIL-STD 810G. Purpose-built to take on the temperature, shock, and vibration of the harsh mobile environment.

Glove-Friendly, Touchscreen-Based Interface

Engineered for intuitive operation, the 4.3" LED touchscreen interface makes it easy to tag videos with the correct ID and input data after each stop. For enhanced functionality, an optional Focus View application extends operations to Windows laptops and tablets, and Android devices including Samsung DeX.

Intelligent Body Camera Integration

The customizable wireless microphone initiates recording and triggers up to two user-defined functions on the FOCUS H3. The system also pairs with the FOCUS X3 body camera for automated, synchronized recording, while legacy wireless microphones remain fully supported.

Smart Power Management

With advanced power management and an Uninterrupted Power Supply (UPS), the on-board Smart Power Module regulates vehicle voltage, protecting your vehicle's battery and the FOCUS H3 from electrical damage.

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System	
Processor	Novatek NT98336
Video Resolution and Streams	1080p/720p/480p, 3 streams simultaneously
Storage Capacity	USB Capacity: 128G standard, extended capacity available
Communication/Connectivity	802.11 a/b/g/n/ac/ax + Bluetooth 2x2 MIMO Antennas Internal GPS, external Antenna
Inputs	Ignition, Door, Light Bar, Brake, & General 12v
G-Sensor	3-D Axis Inertial Accelerometer, 3-Axis Gyroscope
Other	ISO7637-2
Camera Support	Up to 3 cameras (IP and/or GMSL) 2.8mm (HFOV: 120, 0 Lux) 6mm (HFOV: 56, 0.5 Lux) IP camera (HFOV: 60/130, 0.5 Lux)
UPS Battery	Industrial wide-temperature Li-ion. Capacity: 2800 mAh. Operating Range: Charge: -20°C to 60°C Discharge: -40°C to 60°C
Display	4.3" LCD, 280 x 272 pixels, with "glove-friendly," touch screen
Microphone	Microphone-equipped cameras
Audio	Audio blending specified in configuration file Audio compatible with FOCUS X3 or dedicated 900 MHz microphone
Audio Format	Audio signal data sample rate 44.1kHz / 16bits AAC

Recording	
Video Resolution	1440P/1080P/720P/480P
Video Format	MPEG-4 container with H.264 or H.265 codec
Video Frame Rate	Up to 60 fps
Image Stabilization	Onboard EIS
Pre-record Time	Pre- and post-record buffers configurable between 0-5 minutes length.
Environmental	
High Temperature	EN 50155, Section 12.2.4, Dry Heat (60°C)
Low Temperature	EN 50155, Section 12.2.3, Cooling Test (-20°C)
Humidity	SAE J1455, Section 4.2
Compliance and Standards	
SAE J1455	Steady State Electrical Characteristics (12V and 24V) Transients, Noise, and Electrostatic Characteristics Electromagnetic Compatibility (EMC) Requirements
EN 50155	Surge Immunity, EN 61000-4-5 Test Method
FCC	FCC Regulation 47 CFR Part 15 Subpart B (H3 unit) FCC Regulation 47 CFR Part 15 Subpart C, E (BLE, Wi-Fi)
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