AI Multicam

HW-MC-AIM4

OVERVIEW

AI Multicam delivers live 360° visibility and insights directly into the Samsara cloud as well as real-time risk detection alerts on an in-cab monitor from up to four auxiliary high definition (HD) camera feeds.

This device empowers fleets to:

- Prevent incidents before they happen with live AI detections and 360 visibility on all camera feeds
- Resolve incidents with total clarity, optional audio, and an enhanced footage retrieval experience

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HIGHLIGHTS

- **Full-vehicle HD visibility:** Mount up to four auxiliary cameras anywhere on the vehicle to capture 1080p video and optional audio on all streams
- **Real-time AI detection:** Receive in-cab audio alerts and visual cues on an in-cab monitor for pedestrians, cyclists, and other risks
- **Comprehensive footage retrieval:** Download extended 10-minute video and audio recording and access up to months of footage history
- **Unified platform experience:** integrates with Samsara's cloud dashboard for streamlined incident review, alerting, and video retrieval
- **Hardware choice:** Use Samsara or compatible third-party cameras and monitors to match your fleet's needs

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IN THE BOX

- AI Multicam Hub (HW-MC-AIM4)
- AI Multicam Cable Harness (CBL-MC-AIM4)

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SAMSARA 360 VISIBILITY BUNDLE

The AIM Multicam Hub can be used with the Samsara 360 Visibility camera and monitor bundle configured to the needs of vehicle use cases.

- **Side Camera: Mirror Mounted or Body Mounted**
    - Low-profile, ruggedized design suitable for vehicle exterior (i.e., blind spot coverage, extra road visibility) or interior (i.e., cargo monitoring, passenger safety)
- **Rear Camera**
    - Ruggedized design suitable for external rear-facing coverage or specialized locations (e.g., waste management hopper, mechanical arms, etc.)
- **7" In-cab Analog HD Monitor**

Note: AI Multicam works seamlessly with Samsara and compatible third-party hardware

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Technical Specifications

STORAGE AND COMPUTE

EDGE PROCESSING	Real-time AI detections with high-capacity ML processor
STORAGE	Up to 40 hours of high resolution and 120 hours of secondary extended video *Based on four 1080p audio enabled cameras*
OPTIONAL ADDITIONAL STORAGE	An additional 180 hrs of high resolution and 500 hrs of standard resolution video with an optional 1TB microSD card The device can support a wide range of industrial micro SD card options from 256GB to 1TB
AUTOMATIC UPLOAD	Critical safety events containing all camera streams uploaded automatically to Samsara Safety Inbox
ON-DEMAND UPLOAD	High definition video recordings from every recording camera stream available via cloud dashboard Up to 1-minute high-resolution video with audio Up to 10-minute secondary extended video with audio Up to 40 minutes of drive time as hyperlapse video

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CAMERA VIDEO INPUT & MONITOR OUTPUT

VIDEO SIGNAL	AHD/NTSC/PAL
NUMBER OF CAMERAS	Up to four 1080p/720p/CVBS AHD cameras
VIDEO CONNECTORS	4x 4 pin GX12 male input,1x 4 pin GX12 female output

AUDIO

AUDIO INPUT	Optional audio capture on all connected audio enabled cameras
IN CAB ALERTS	Optional in-cab coaching and feedback for critical safety event will be delivered via the AI dashcam This device does not have a speaker

MOUNTING, ENCLOSURE, AND POWER

DIMENSIONS	AI Multicam Hub: 187mm x 127mm x 43mm (7.36″ x 5″ x 1.69″) AI Multicam Cable Harness: • USB and power: 4m (13ft) • Trigger and display output: 2m (6.56 ft) t
MOUNTING	4x M4 self-drilling screws included 2x 550mm cable ties included Recommended mounting location same as or similar to location of the Samsara Vehicle Gateway
POWER	9-36V DC Power draw: 90mW (sleep) to 48W (peak); normal operation at 25W AI Multicam Hub needs to be directly connected to an always on power source within the vehicle
OPERATING TEMP	-40ºC to 70ºC
STORAGE TEMP	-40ºC to 85ºC
HUMIDITY	5% - 85% (non-condensing)
SALT FOG	MIL-STD-810H 509.7
INGRESS RATING	IP67 and IP69K
SHOCK	ISO 16750-3. 6-axis, 50G

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VIBRATION	ISO 16750-3 Method 4
ENCLOSURE MATERIAL	UV-stabilized polycarbonate

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