MS-L1 DATA SHEET

4G Solar AOV Dual-Lens Street Light Camera



White

Category	Parameter	Specification
Core Features	AOV 24/7 Recording	Records at a low frame rate between events and switches to a higher frame rate when a person is detected.
	AI Human Detection & Tracking	Detects people up to 40 m and supports automatic human tracking.
	Radar-Controlled Street Lighting	Provides low-level ambient lighting and increases brightness when radar senses someone.
	Full-Color Night Vision	Supports full-color night vision with dual-light illuminators.
Basic Features	Dual 2MP Views with Pan & Tilt	Two 1920 × 1080 views, with motorized pan and tilt on the lower camera.
	4G LTE & HiEasy	4G LTE regional versions for Asia (AS) and Europe (EU), with the HiEasy app.
	Solar Charging & Battery Power	Two 7.5 W solar panels (15 W total) and a 12,000 mAh camera battery.
	Two-Way Audio & Local Recording	Full-duplex two-way audio and microSD / TF card recording.
AI Features	Human-Triggered Actions	Supports human-triggered recording and snapshots, tracking, and audible and light alarms with dual-light panels.

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Category	Parameter	Specification
Product Identification	Product Model	MS-L1
	Product Name	4G Solar AOV Dual-Lens Street Light Camera
	Factory Motherboard Model	XT5H-L1
	Sales Versions	HiEasy 4G Solar for Asia (AS) or Europe (EU)
System	Main Processor	High-performance dual-core processor
	Operating System	Embedded Linux
Video & Imaging	Image Sensors	Two 1/3.2-inch CMOS sensors
	Image Channels	2
	Resolution	1920 × 1080 (2 MP) per channel × 2
	Physical Lens Count	2
	Focal Length	4 mm
	Video Compression	H.265+
	Video Frame Rate	10 fps
	Video Bitrate	135–2048 kbps
	Video System	PAL 50 Hz / NTSC 60 Hz
	Minimum Illumination	Day mode: 1 lux; night vision mode: 0.01 lux
	Snapshot Function	Supported
Pan & Tilt	Motorized Movement	Horizontal and vertical movement on the lower camera
	Preset Positions	6
	Guard Position	Supported
	Position Calibration	Automatic position calibration
Audio	Audio Input	Analog microphone
	Audio Output	External 8 Ω speaker, max. 2 W
	Audio Compression	G.711U
	Two-Way Audio	Full-duplex
	Echo Cancellation	Supported
Night Vision	Illumination	Dual-light camera illuminators
	Night Vision Modes	Black & white / Full color / Smart / Starlight

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Category	Parameter	Specification
Detection & Alarm	Detection Type	AI human detection
	Human Detection Range	Up to 40 m
	Human Detection Accuracy	99.88%
	Human Tracking	Supported on the lower pan-and-tilt camera
	Audible & Light Alarm	Triggered by human detection; requires dual-light panels
	Alarm Sound	Built-in alarm sound
	Alarm Actions	Linked video recording and snapshots
	Radar & Street Light Control	Low brightness when the area is clear; high brightness when radar senses a person.
Recording	Recording Modes	AOV 24/7 recording / Human-triggered recording
	AOV Frame Rate Behavior	Low frame rate between events; switches to a higher frame rate after human detection.
	Event Switching Time	As fast as 50 ms to full-frame-rate recording
Network & Pairing	Connectivity	4G LTE
	AS / EU Regional Bands	Asia (AS) / Europe (EU)
	Device Addition	Scan the device code to add it in the app.
	Server Connection	Automatic server connection after power-on
	Data Top-Up & Inquiry	Supported in the domestic module specification.
	Connection Protection	Triple disconnection protection and fault detection
	SIM Interface	SIM card slot
Power	Power Supply	Solar charging with a 3.7 V lithium camera battery
	Camera Battery Capacity	12,000 mAh (6 × 2,000 mAh cells)
	Street Light Battery	Separate battery listed for the street light assembly in the module documentation.
	Working Current	420 mA ± 10 mA
	Solar Panel Configuration	2 × 7.5 W (15 W total)
	Controller Charging Port	USB Type-C (street light controller board)

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Category	Parameter	Specification
Storage & Services	Memory Card	microSD / TF card, up to 256 GB; FAT32
	Cloud Recording	Listed as planned in the factory module specification.
Environment & Protection	Installation Environment	Outdoor
	Operating Temperature	−20 °C to +55 °C
APP	App Platform	HiEasy
	App Languages	Simplified Chinese, Traditional Chinese, English, Finnish, Korean, French, Portuguese, Thai, Spanish, Polish, Indonesian, German, Italian, Russian, Japanese, Vietnamese, Arabic and Turkish.
Dimensions & Packaging	Housing Color	White
	Quantity per Carton	8 pcs
	Carton Dimensions	64.5 × 44.5 × 52.5 cm
	Carton Gross Weight	23 kg

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