MS-HQ0600 DATA SHEET

2MP 4G Solar AOV PTZ Camera



Category	Parameter	Specification
Core Features	AOV 24/7 Recording	Records continuously at a low frame rate. Human detection switches recording to full frame rate.
	AI Human Detection & Tracking	0.5 TOPS AI processing, human detection up to 40 m, and human tracking.
	Pan & Tilt with 12× Digital Zoom	One motorized pan-and-tilt head with 12× digital zoom.
	Full-Color Night Vision	Full-color night vision with support for multiple day/night modes.
	Solar Power & 4G LTE	One 7.5 W solar panel and an 8,000 mAh battery. Asia and Europe LTE versions available.
Basic Features	2MP Full HD Video	1920 × 1080 video with H.265+ encoding.
	Full-Duplex Two-Way Audio	Supports full-duplex voice communication with echo cancellation.
	Local & Cloud Recording	Supports microSD (TF) cards up to 256 GB and paid cloud recording.
AI Features	Human-Triggered Recording	Human detection can trigger event recording and snapshots.
	Audible & Light Alarm	Human-triggered audible and light alarm when equipped with a dual-light board.
Product Identification	Product Model	MS-HQ0600
	Product Name	2MP 4G Solar AOV PTZ Camera
System	Main Processor	High-performance dual-core processor
	Operating System	Embedded Linux
	AI Computing Power	0.5
Video & Imaging	Image Sensor	1/3.2" CMOS
	Resolution	1920 × 1080 (2MP)
	Physical Lens Count	1
	Focal Length	4
	Digital Zoom	12×

Category	Parameter	Specification
Video & Imaging	Video Compression	H.265+
	Video Frame Rate	15 fps
	Video Bitrate	135–2,048 kbps
	Video System	PAL 50 Hz / NTSC 60 Hz
	Minimum Illumination	Day: 1 lux / night: 0.01 lux
	Snapshot Function	Supported
Pan & Tilt	PTZ Heads	1
	Motor Configuration	One pan motor and one tilt motor
	Preset Positions	6
	Guard Position	Supported
	Position Calibration	Supported
Audio	Audio Input	Analog microphone, −42 dB
	Audio Output	8 Ω speaker, max. 2 W
	Audio Encoding	G.711U
	Two-Way Audio	Full-duplex
	Echo Cancellation	Supported
Night Vision	Illumination	Dual-light board supported
	Night Vision Modes	Black & white / Full color / Smart / Starlight
Detection & Alarm	Detection Type	Human detection
	Human Detection Range	Up to 40 m
	Human Detection Accuracy	0.9988
	Human Tracking	Supported
	Audible & Light Alarm	Human-triggered; requires a dual-light board
	Alarm Sound	Built-in alarm sound
	Alarm Actions	Linked video recording and snapshots
Recording	Recording Modes	AOV recording / Human-triggered recording
	Event Recording	Switches to full frame rate on human detection
	Event Switching Time	As fast as 50 ms
	Recording Destinations	microSD (TF) card / paid cloud recording
	Work Mode Switching	Intelligent work mode switching supported

Category	Parameter	Specification
Network & Pairing	Connectivity	4G LTE (Asia / Europe variants)
	LTE-FDD Bands	B1 / B3 / B5 / B8
	LTE-TDD Bands	B34 / B38 / B39 / B40 / B41
	Regional LTE Band Details	Contact sales for the bands of each regional variant.
	Device Addition	Scan the device code to add the camera
	Server Connection	Automatic server connection after power-on
	Connection Protection	Disconnection protection and fault detection
Power	Power Supply	3.7 V lithium battery with solar charging
	Battery Capacity	8,000 mAh (4 × 2,000 mAh)
	Working Current	320 mA ± 10 mA
	Solar Panel Configuration	1 × 7.5 W
	Solar Charging Voltage	5 V
	Charging Interface	USB Type-C
Storage & Services	Memory Card Type	microSD (TF)
	Maximum Card Capacity	256
	Memory Card File System	FAT32
	Cloud Recording	Supported; paid service
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, Turkish.
Dimensions & Packaging	Housing Color	White
	Quantity per Carton	12
	Carton Dimensions	54.5 × 42.3 × 62.5 cm
	Carton Gross Weight	16.8
Accessories	Solar Panel	One panel in the Solar 4G configuration
Optional Version	Connectivity	Wi-Fi 6 version available