MS-HQ0840 DATA SHEET

Solar 4G LTE Quad-Lens PTZ Security Camera



Primary: Solar 4G LTE (AS / EU) | Optional: DC 12V 4G | Specifications refer to Solar 4G unless noted

Category	Parameter	Specification
Core Features	Four Lenses, Four Views	Four physical 4mm lenses produce four independent 2MP Full HD video views.
	AOV 24/7 Recording	Low-frame-rate continuous recording; switches to a higher recording frame rate when an event is triggered.
	Three PTZ Heads, Six Motors	Three independently movable PTZ heads with six motors; center and side heads have different rotation ranges.
	AI Human Detection & Tracking	1.0TOPS AI processing supports human detection up to 40m and automatic human tracking.
	Solar Power & Battery	Solar 4G version: two 7.5W solar panels (15W total) and a 12,000mAh rechargeable battery.
Basic Features	4G LTE Connectivity	Primary Solar 4G configuration is offered in AS / EU versions.
	H.265+ Video Compression	H.265+ video encoding.
	Full-Color Night Vision	Supports full-color night vision.
	IP66 Outdoor Protection	Confirmed IP66 waterproof rating for the MS-HQ0840 outdoor camera.
AI Features	Human Detection & Auto Tracking	1.0TOPS AI processing, human detection up to 40m and human auto tracking.
Product Identification	Product Model	MS-HQ0840
	Product Name	4G LTE Quad-Lens PTZ Security Camera
	Available Versions	Solar 4G LTE (AS / EU) — primary; DC 12V 4G — optional. Power configuration differs by version.
	AI Computing Power	1.0TOPS
	Video Channels	4 independent views
	Resolution	4 × 2MP; Full HD per view
	Physical Lens Count	4
	Focal Length	4 × 4mm
	Video Compression	H.265+
PTZ & Zoom	Front Lens Arrangement	1 upper front lens; 3 lower PTZ lenses
	PTZ Heads	3 independent heads
	Motor Count	6 motors

	Pan Range	Center: 355°; left and right: 180° each
	Tilt Range	Center: 90°; left and right: 90° each
PTZ & Zoom	Human Auto Tracking	Supported
Night Vision	Night Vision Mode	Full-color night vision
Detection & Alarm	Detection Type	Human detection
	Human Detection Range	Up to 40m
	Human Detection Accuracy	
	Human Auto Tracking	Supported
AOV & Recording	Recording Modes	AOV 24/7 low-frame-rate recording; event-triggered higher-frame-rate recording
Network & Pairing	Connectivity	Solar 4G: 4G LTE (AS / EU); optional DC 12V 4G: 4G LTE
	4G Regional Version	Solar 4G available in AS / EU versions; exact band and operator compatibility not specified
Power	Power Supply	Solar 4G: solar panels + rechargeable battery; optional DC 12V 4G: continuous DC 12V power
	Battery Capacity	Solar 4G: 12,000mAh (6 × 2,000mAh cells)
	Solar Panel Rated Power	15W total (Solar 4G)
	Solar Panel Configuration	2 × 7.5W (Solar 4G)
	IP Rating	IP66
APP	App Platform	HiEasy
Dimensions & Packaging	Housing Color	White
Accessories	Solar Panels	Solar 4G: 2 × 7.5W panels; included as part of the solar-powered camera configuration