# MS-6601 DATA SHEET

3MP Pan-Tilt Camera — Solar 4G AOV and WiFi + Wired Versions



Solar 4G AOV



WiFi + Wired

| Category | Parameter | Specification | Applicable Version |
|---|---|---|---|
| **Core Features** | Low-Power AOV Recording | Records continuously at low frame rate, then switches to normal frame rate when a person is detected. | Solar 4G |
| | 0.5 TOPS AI Detection & Tracking | Supports human detection and automatic tracking at distances up to 30 m, powered by 0.5 TOPS AI processing. | Both versions |
| | 355° Pan & 90° Tilt | Remote pan-tilt adjustment through the HiEasy app. | Both versions |
| | H.265+ & Flexible Storage | H.265+ encoding. Supports microSD cards up to 256 GB and optional cloud storage. | Both versions |
| **Basic Features** | Separate Solar Panel | Battery-powered camera with a separately mounted solar charging panel. | Solar 4G |
| | WiFi 6 & Wired Network | WiFi 6 and RJ45 connectivity with automatic wired/wireless switching. PoE supported. | WiFi + wired |
| | Full-Color Night Vision | Full-color night vision with selectable day/night modes. | Both versions |
| | Two-Way Audio | Full-duplex two-way voice communication with echo cancellation. | Both versions |
| | Sound & Light Alarm | Audible and light warnings on human detection. | Both versions |
| | Preset Positions | Set and recall 6 pan-tilt preset positions. | Both versions |
| | NVR & EasyVMS | ONVIF compatibility, PC/NVR recording and NVR/EasyVMS management. | WiFi + wired |
| | Privacy Sleep & Local Viewing | Instant or scheduled privacy sleep. Built-in WiFi hotspot for local viewing. | WiFi + wired |
| **AI Features** | Human Detection & Tracking | AI human detection up to 30 m with automatic human tracking. | Both versions |
| | Echo Cancellation | Echo cancellation for full-duplex voice communication. | Both versions |

Website: icseecam.com Email: info@icseecam.com

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| Category | Parameter | Specification | Applicable Version |
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| **Product Identification** | Product Model | MS-6601 | Both versions |
| | Product Name | 3MP Pan-Tilt Camera | Both versions |
| | Available Versions | Solar 4G AOV; WiFi + wired | Both versions |
| **System** | Main Processor | High-performance dual-core processor | Solar 4G |
| | Main Processor | H608 | WiFi + wired |
| | 4G Module | X25H | Solar 4G |
| | Mainboard | RS-W3CQ-12V | WiFi + wired |
| | Operating System | Embedded Linux | Both versions |
| | AI Computing Power | 0.5 TOPS | Both versions |
| **Video & Imaging** | Image Sensor | 1/3.2-inch CMOS | Both versions |
| | Image Channels | 1 | Both versions |
| | Resolution | 3MP | Both versions |
| | Physical Lens Count | 1 | Both versions |
| | Focal Length | 4 mm | Both versions |
| | Video Compression | H.265+ | Both versions |
| | Frame Rate | 15 fps | Solar 4G |
| | Frame Rate | Adaptive | WiFi + wired |
| | Video Bitrate | 135–2048 kbps | Both versions |
| | Video System | PAL 50 Hz / NTSC 60 Hz | Both versions |
| | Minimum Illumination | Day: 1 lux; Night: 0.01 lux | Both versions |
| | Day/Night Mode | Automatic | Both versions |
| | Snapshot | Supported | Both versions |
| **Pan & Tilt** | Camera Movement | Pan & Tilt | Both versions |
| | Pan Range | 355° | Both versions |
| | Tilt Range | 90° | Both versions |
| | Preset Positions | 6 | Both versions |
| | Human Tracking | Supported | Both versions |
| | Guard Position | Supported | Solar 4G |
| | Position Calibration | Supported | Solar 4G |
| **Audio** | Audio Input | Microphone | Both versions |
| | Audio Output | 8 Ω speaker; maximum 2 W | Both versions |
| | Audio Compression | G.711U | Both versions |
| | Two-Way Audio | Full-duplex | Both versions |
| | Echo Cancellation | Supported | Both versions |

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|---|---|---|---|
| Night Vision | Illumination | Dual-light illumination | Both versions |
| | Night Vision Modes | Black-and-white / Full-color / Smart / Starlight | Both versions |
| | Day/Night Switching | ICR automatic switching | Solar 4G |
| | IR-CUT | Wireless IR-CUT | WiFi + wired |
| | Night-Light Function | Supported | WiFi + wired |
| Detection & Alarm | Detection Types | AI human detection | Both versions |
| | Human Detection Range | Up to 30 m | Both versions |
| | Human Detection Accuracy | 99.88% | Solar 4G |
| | Human Tracking | Supported | Both versions |
| | App Notifications | Supported | Both versions |
| | Audible & Light Alarm | Supported | Both versions |
| AOV & Recording | Recording Modes | AOV continuous recording with human-triggered normal-frame-rate recording | Solar 4G |
| | Recording Modes | Alarm recording / Scheduled recording | WiFi + wired |
| | Detection Response | 50 ms switch to normal-frame-rate recording | Solar 4G |
| | Recording Destinations | microSD / TF card; optional paid cloud storage | Solar 4G |
| | Recording Destinations | microSD / TF card / PC / NVR; optional cloud storage | WiFi + wired |
| | Privacy Sleep | Instant and scheduled sleep | WiFi + wired |
| Network & Pairing | Mobile Connectivity | 4G LTE | Solar 4G |
| | Regional Module Versions | Asia / EU / US; dedicated versions for Latin America, Japan and Korea | Solar 4G |
| | Asia LTE Bands | LTE-FDD: B1 / B3 / B5 / B8<br>LTE-TDD: B34 / B38 / B39 / B40 / B41 | Solar 4G |
| | EU LTE Bands | LTE-FDD: B1 / B3 / B5 / B7 / B8 / B20 / B28 | Solar 4G |
| | US LTE Bands | LTE-FDD B2/B4/B5/B7/B12/B13/B66/B41(38) | Solar 4G |
| | SIM Card | Physical data SIM supported | Solar 4G |
| | Server Connection | Automatic server connection on power-up | Solar 4G |
| | Device Adding | QR-code device adding | Solar 4G |
| | Data Top-Up & Query | Supported | Solar 4G |
| | Connection Diagnostics | Triple drop-line protection and fault self-diagnosis | Solar 4G |
| | Wireless Connectivity | WiFi 6; IEEE 802.11 b/g/n/ax | WiFi + wired |
| | Wired Connectivity | RJ45 Ethernet | WiFi + wired |
| | Wired / Wireless Switching | Automatic | WiFi + wired |
| | Bluetooth Pairing | BLE fast pairing | WiFi + wired |
| | SLE | SLE 1.0 | WiFi + wired |
| | Camera WiFi Hotspot | Built-in hotspot for local viewing | WiFi + wired |
| | Network Protocols | P6S / ONVIF / RTSP / HTTP / TCP/IP / IPv4 / UPnP / UDP / SMTP / NTP / DHCP / DNS / IP Filter / IP Search | WiFi + wired |
| | Cross-Segment Auto Image | With RS-series NVRs | WiFi + wired |

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| Category | Parameter | Specification | Applicable Version |
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| **Power** | Power Supply | Rechargeable lithium battery with separate solar panel charging | Solar 4G |
| | Power Supply | DC 12 V; PoE supported | WiFi + wired |
| | Battery Voltage | 3.7 V | Solar 4G |
| | Solar Panel Installation | Separate mounting | Solar 4G |
| **Storage & Services** | Memory Card Type | microSD / TF card | Both versions |
| | Maximum Card Capacity | 256 GB | Both versions |
| | Memory Card File System | FAT32 | Both versions |
| | Cloud Storage | Optional | Both versions |
| | Central Management | NVR / EasyVMS | WiFi + wired |
| **Environment & Protection** | Installation Environment | Outdoor | Both versions |
| | Operating Temperature | −20 °C to +55 °C | Both versions |
| **APP** | App Platform | HiEasy | Both versions |
| | App Language Count | 17 interface languages | Both versions |

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