

SoloTracking3G Product Series



Features and Functions

- **Up to Full HD (1080p) per channel** with H.264 encoding technology; support up to 16 channels future proof.
- Vandal-proof design to prevent unauthorized access to footage.
- Optional pluggable 4G module and 5.8G Wi-Fi module providing flexible data transmission solutions.
- Supports connecting high-definition TVI camera and IPC camera.
- Information collection interfaces collecting driving information such as left/right turn, braking, backing up, etc.
- Specialized aviation connectors ensuring signal stability.
- Ignition startup and delay (0 to 48h) shutdown.
- Battery protection avoids vehicle from running out of battery.
- Wide-range power input (+ 9to + 32 VDC).
- Power-off protection avoids key data from loss.
- Tensile aluminum chassis with no fan design well adaptable to working environment.
- Software-based firewall supported.
- GNSS (Global Navigation Satellite System) module precisely positioning the vehicle via the satellite and recording the location information in the stream.
- Backup recording on SD card when the HDD/SSD is damaged.
- Support standard 128G Micro SD/SDHC/SDXC card storage.
- Hard disk box with USB interface supporting intelligent temperature control and data export.
- In-ward facing cameras' footage can be configured to be automatically overwritten after 7 days and audio recording can be disabled.





High Definition Models

Specifications

Model		SOLO-M08-T	SOLO-M16-T
Video/Audio input	Video input	8-ch cameras	16-ch cameras
		Up to 1080p resolution	
Video/Audio output	Video output	1-ch CVBS video output 1-ch VGA video output	
Encoding/ Decoding parameters	Video decoding format	H.264	
	Recording resolution	1080p/720p/WD1/4CIF/2CIF/CIF	
	Frame rate	PAL: 1 to 25fps, NTSC: 1 to 30fps	
	Audio decoding format	G.711	
	Two-way audio decoding format	G.722	
	Stream type	Video, Video & Audio	
	Dual stream	Supported	
Storage	Type	Two 2.5-inch HDDs/SSDs Note: please refer to local technical support for recommended HDD/SSD/SD model.	
	Capacity	Up to 1 TB capacity for each HDD/SSD	
Wireless Network	3G/4G Dialing	WCDMA and FDD-LTE module are supported (optional) 1,3G/4G dialing antenna	
	Wi-Fi	802.11B/G/Nand802.11ACare selectable (optional) 1 antenna for 802.11B/G/N module; 2 antennas for 802.11ACmodule	
Navigation Satellite System	GNSS	1 navigation satellite antenna interface for GPS (Global Positioning System)	
External interface	Sensor-in	4 high/low level signal inputs. 1 pulse signal inputs	
	Alarm input	4-ch, triggered by high/low level signal	
	Alarm output	2-ch, relay signal output	
	Network interface	1, RJ4510M/100M/1000M self-adaptive Ethernet interface	
	Serial interface	1 ×RS-232, 1 ×RS-422	
	USB port	Front panel: 1 × standard USB 2.0 and 1 × A-type USB 3.0 Rear panel: 1 × USB 2.0 of 5-pin aviation plug	
	SIM card	1 standard SIM/UIM card slot	
	CAN interface	2	
	SD card	Built-in Micro SD/SDHC/SDXC slot. Up to 128 GB	
General	Operating system	Embedded Linux	
	Operating method	Mouse, IR remote control, and Web control	
	Power supply	+ 9 to + 32 VDC	
	Consumption	≤ 20W	
	Working temperature	-10 °C to +55 °C (14 °F to 131°F) with enterprise-class HDD -20 °C to +60 °C (-4 °F to 140 °F) with industrial-class HDD	
	Working humidity	10%to 95%	

Model		SOLO-M08-T	SOLO-M16-T
	Dimensions (WxDxH)	236×210×73mm (9.3× 8.3× 2.9inch)	
	Weight (without HDDs/SSDs)	approx. 3 kg (6.6 lb)	approx. 3.66 kg (8.07 lb)

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Standard Definition Models

Specifications

Model		SOLO-M04-S	SOLO-M06-S	SOLO-M08-S
Video/Audio Input	Video Compression	H.264		
	PAL/NTSC Adaptive	Support		
	Video Input Interface	Aviation Connector (1.0 Vp-p, 75Ω)		
	Audio Compression	G.711		
	Audio Input	4-ch	6-ch	8-ch
	Audio Input Interface	Aviation Interface (linear electrical level, 1 kΩ)		
	Two-way Audio	1 Aviation Interface (Linear electrical level, 1KΩ)		
	Compression resolution	WD1/D1/ 4CIF / 2CIF / CIF		
Video/Audio Output	Video output	1-ch, Aviation Interface (1.0Vp-p, 75Ω)		
	Frame Rate	PAL: 1~25 fps, NTSC: 1~30 fp		
	Video Bit Rate	32Kbps~2048Kbps, or user-defined		
	Stream Type	Video/Video&Audio		
	Audio Output	1-ch Aviation Interface (Linear electrical level, 600Ω)		
	Audio Bit Rate	16kbps		
	Dual Stream	Support		
Hard Disk Driver	Interface Type	2 SATA Interfaces		
	Capacity	Support 2.5" SATA HDD/SSD		
	Technical Patent	Patented hard disk vibration reduction technology		
External Interface	Network Interface	1 RJ45 10M/100M adaptive Ethernet Interface		
	3G antenna interface	2 antennas, SMA interface		
	USB Interface	1 USB 2.0 interface		
	SD Card Interface	Support 1 SD/SDHC card for recording		
	Alarm Input	3-ch high/low-level signal input		
	Alarm Output	2-ch		
	GPS	Build-in GPS module		
	SIM/UIM	1 standard SIM/UIM slot		
	Driving Information Collection	4-ch high/low-level signal input, 1-ch pulse signal input(reserved)		
	Network Interface:	1 RJ45 10M/100M adaptive Ethernet Interface		
General	Power Supply	Input: +6 ~ +36 VDC; Output: +12 VDC / 2A, +5 VDC / 2A		
	Consumption	≤ 10W		
	Working Temperature	-15 °C ~ +55 °C (5 °F ~ 131 °F)		
	Working Humidity	10% ~ 95%		
	Dimensions	236 × 210 × 73 mm (9.3 × 8.3 × 2.9 in)		
	Weight	≤ 3 kg / 6.6 lb		

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Specifications

Model	SOLO-M04-SB	
Video/Audio Input	Video Compression:	H.264
	PAL/NTSC Adaptive:	Support
	Video Input Interface:	Aviation Connector (1.0 Vp-p, 75Ω)
	Audio Compression:	G.711
	Audio Input:	4-ch
	Audio Input Interface:	Aviation Interface (linear electrical level, 1 kΩ)
	Two-way Audio:	1 Aviation Interface (Linear electrical level, 1KΩ)
	Compression resolution:	WD1 / HD / Full HD
Video/Audio Output	Video output:	1-ch, Aviation Interface (1.0Vp-p, 75Ω)
	Frame Rate:	PAL: 1~25 fps, NTSC: 1~30 fp
	Video Bit Rate:	32Kbps~2048Kbps, or user-defined
	Stream Type:	Video/Video&Audio
	Audio Output:	1-ch Aviation Interface (Linear electrical level, 600Ω)
	Audio Bit Rate:	16kbps
	Dual Stream:	Support
Hard Disk Driver	Interface Type:	SATA Interface
	Capacity:	Support 2.5" SATA HDD/SSD
	Technical Patent:	Patented vibration reduction technology
External Interface	Network Interface:	1 RJ45 10M/100M adaptive Ethernet Interface
	4G/LTE antenna interface:	SMA interface (optional)
	USB Interface:	1 USB 2.0 interface
	SD Card Interface:	Support 1 SD/SDHC card for recording
	Alarm Input:	3-ch high/low-level signal input
	Alarm Output:	2-ch
	GPS:	Build-in GPS module
	SIM/UIM:	1 standard SIM/UIM slot (optional)
	Driving Information Collection:	4-ch high/low-level signal input, 1-ch pulse signal input (reserved)
	Network Interface:	1 RJ45 10M/100M adaptive Ethernet Interface
General	Power Supply:	Input: +6 ~ +36 VDC; Output: +12 VDC / 2A, +5 VDC / 2A
	Consumption:	≤ 20W
	Working Temperature:	-15 °C ~ +55 °C (5 °F ~ 131 °F)
	Working Humidity:	10% ~ 95%
	Weight:	≤ 1.5 kg

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