



Core Functionality	*Achieve simultaneous multi-screen recording at low frame rates throughout the day	
Basic Functions	•Motion detection paired with PIR infrared sensing ensures more precise activity triggering,	
	•The T32VN high-performance processor, paired with three CMOS sensors, enables simultaneous preview of multiple	
	•The manually adjustable balls on both sides, combined with the central pan-tilt-zoom camera,	
	•12W monocrystalline silicon solar panel for powerful charging 20100mAh built-in high-capacity lithium battery	
	•Built-in microphone and speaker, supporting full-duplex voice intercom	
	•Supports cloud storage and local TF card storage.	
	•The app supports Android and iOS, with stable and reliable performance.	
	•Compact size, low shipping cost, IP66 outdoor waterproof rating	
	•The adjustable center bracket design, paired with a 2-meter extension cable, accommodates diverse installation	
AI Features (Motion Detection Enabled)	Human Detection	Enable increased human detection to reduce false alarm rates.
	AI Tracking	Automatically tracks human movement trajectories when activated.
	Activity Zone Setup	Define the specific area to be detected
Product name	AOV Three-Lens Solar Camera	
Model	MS-563	
System	chip	ingenic T32VN
	System	Linux/RTOS
Video	sensor	Three CMOS sensors, 1/2.9-inch
	Lens	Left: 2.8mm; Right: 2.8mm; Center: 4mm
	Video resolution	High Definition: 2304×1296/15fps; Standard Definition: 640×360/15fps
	video encoding	H.264/H.265
	fill light	14 infrared LEDs + 14 white LEDs
Audio	Audio Input	Support
	Audio Output	Support
	Two-Way Audio	Support
Night Vision Mode	Super Night Vision	AOV alarm/wake-up recording uses white light illumination (AOV snapshot mode uses infrared illumination; illumination status indicates infrared flashing).
	Black-and-white night vision	AOV snapshot and alarm/wake-up recording both utilize infrared illumination. AOV night vision snapshot features infrared illumination.
AOV Frame Rate (Adjustable)	1S, 2S, 3S, 5S, 10S, 20S, 30S, 60S (The shorter the capture interval, the higher the video quality)	
AOV Performance	AOV Capture Time	approximately 100 milliseconds
	Average AOV Current (1/1 FPS)	Approximately 30mA (TBD)
	Average AOV Current (1/3 FPS)	Approximately 20mA (TBD)
Network	Network Module	Custom Low-Power LTE Modules
	Applicable Regions (Optional 4G Module)	Middle East, Southeast Asia, US version, European version, Australian version, and global version
	SIM	Nano SIM
PIR	PIR Detection Distance	10 meters, distance adjustable in 5 increments
	False Alarm Filtering	Motion Detection + Human Detection Filter False Alarms
Distribution Network Configuration	Distribution Network	Supports Bluetooth pairing and QR code scanning for device addition
Video Recording Mode	Standard video recording	15fps
	Time-lapse recording	Low Frame Rate Recording (Frame rate adjustable, default: one frame every 3 seconds)

Power Supply Method	Built-in battery	Capacity: 20100mAh
	Solar-powered	External 12W solar panel
	Power Management	By default, when AOV drops below 20%, the device enters low-power mode. PIR and APP remote can wake it up.
Value-added services	4G Data Service	7-day free unlimited data trial. After 7 days, top-up required.
	Cloud Storage Service	Activate your device for the first time to receive a free one-month trial of cloud storage service.
Indicator light	Equipment Operating Status Indicator Light	After wake-up, the blue light remains steady. In AOV mode, the blue light flashes during capture. In low-power mode, the sleep indicator turns off.
	Charging indicator light	During charging, the indicator light stays solid green. When fully charged, the green indicator light turns off.
Others	TF card storage	Supports TF Cards 4GB-128GB
	Waterproof Rating	IP66
Work Environment	Operating Temperature	-20℃ ~+65℃
	Operating Humidity	≤80%RH
APP	APP name : UboxPro	
Package	inner box	31*23*21.5cm
	Weight	3KG 10.6kg
	Quantity	4PCS
	Carton Size	64*48*46cm