



GT-CDO2M50-PH

The Garantir Dome Network Camera offers real-time Full HD video streaming and recording with exceptional lowlight performance, ensuring clear day and night visibility. Its infrared (IR) capability provides effective night vision up to 50 meters. The camera's frame rate and bit rate can be adjusted to match network bandwidth and application needs. Built with a robust IP67-rated weatherproof enclosure, the Garantir Vandal Dome Network Camera is designed for durability and reliable performance in various environments.

- Smart Motion Detection
- Support Triple Streaming
- Supports Motorized varifocal lens for easy installation and monitoring
- Triple Streaming of H.264, H.265, Smart H.265 & MJPEG
- Support 3D Digital Noise Reduction
- Water and dust resistant (IP67) and vandal resistant (IK10)

2MP MOTORIZED VANDAL DOME CAMERA	
Parameters	Specifications
Camera	
Image Sensor	1/2.8" CMOS
Digital Zoom	16x
Scanning System	Progressive Scan
Operating System	Embedded Linux
Signal System	PAL/NTSC
SNR	≥60 dB
IR Support (Day & Night)	Auto Sense and Switch on (IR Cut Filter with Auto Switch)
Smart IR	Up to 50 m
IR Wavelength	850 nm
Min. Illumination	Color: 0.001 lux @ F1.6, B/W: 0 lux with IR
Lens Mount	Φ14
Lens Type	Motorized Varifocal lens
Focal Length	2.7 to 13.5 mm
Focus	Auto & Manual
Aperture Range	F1.6 ~ F3.3
FOV	102.9° ~ 31.2° (H); 57.5° ~ 17.4° (V)
Manual Adjustment	Bracket; Pan: 0~330°, Tilt: 0~75°, Rotate: 0~350°
Iris	DC Auto Iris
Shutter Time	1s to 1/100,000s
Gain Control	Auto & Manual
Digital Noise Reduction	2D/3D DNR
Defog	Smart Defog
Wide Dynamic Range (WDR)	120 dB

Video & Audio	
Max. Resolution	1920×1080
Video Compression	Smart H.265, H.265, H.264, MJPEG
Primary Stream	60 Hz: 30 fps (1920×1080, 1280×720, 704×480, 640×480) 50 Hz: 25 fps (1920×1080, 1280×720, 704×576, 640×480)
Secondary Stream	60 Hz: 30 fps (704×480, 704×240, 640×360, 352×240) 50 Hz: 25 fps (704×576, 704×288, 640×360, 352×288)
Tertiary Stream	60 Hz: 30 fps (704×480, 704×240, 352×240) 50 Hz: 25 fps (704×576, 704×288, 352×288)
Stream Settings	Resolution, Frame Rate (Up to 30fps), i-Frame, SVC, Electronic Image Stabilization, Video Encryption, Video Compression
Video Bit Rate	32 kbps to 8 Mbps
Bit Rate Control	Constant Bit Rate (CBR), Variable Bit Rate (VBR)
Image Settings	Rotate/Mirror Mode, Privacy Mask, Saturation, Brightness, Contrast, Sharpness, Hue, Gain, Exposure, HLC, BLC, Day & Night
White Balance	Manual, Auto, Semi Auto, Natural Light, Sunshine, Daylight, Warm Light, Filament, Lock White Balance
Corridor Mode	Selectable
OSD	Total 8 Regions, Image/ Title/ Week/ Date/ Time/ Text (option of different colours & sizes)
ROI	Up to 8 regions
Privacy Mask	Up to 8 regions
Audio Compression	G.711A, G.711U, AAC_LC, ADPCM_D
Audio Bit Rate	8 kbps to 48 kbps
Built-In Mic	Supported with noise cancellation
Network & Interface	
Protocols	IPv4, IPv6, TCP, UDP, HTTP, HTTPS, ICMP, ARP, DHCP, DNS, DDNS, FTP, NFS, RTP, RTSP, RTCP, RTMP, NTP, SMTP, PPPoE, UPnP, IGMP, QoS, SNMP, 802.1X, SSL, SFTP/SSH, Telnet, Unicast, Multicast, P2P
Security	IP filtering, Video encryption (AES), User Authentication (Multiple user privileges), HTTPS Authentication, Digest Authentication, 802.1x authentication (EAP-MD5), User Access Log
Integration	ONVIF (S, G & T), SDK/API/CGI
Network	1, RJ45 10M/100M Self Adaptive Ethernet Port
Alarm Interface	2 Input (switch type) 1 Output (3.3V-12V, 10 ohm)
Audio Interface	1 Input (Level 5V, Input Impedance 1500 ohms) 1 Output (Level 3V, Output Impedance 100 ohms) Built-In Mic (with noise cancellation)
Serial Interface	1xRS485

On-Board Storage	Built-in memory card slot, support microSD card, up to 512 GB
ANR	Supported
Cable Interface	Pig Tail
Remote User Connection	≤7
Client Application	Go-Connect
Smart Functions	
Analytics	Motion detection, Perimeter, Line crossing (single/ dual), Loitering, Running, Parking, Object Left, Missing Object, Face detection, People count, Crowd estimation, Video abnormal, Audio abnormal, On Duty Detection, Helmet Detection, Human & Vehicle Classification, Heatmap
Alarm types	Input alarm, Output alarm, IP & MAC conflict, SD card full & error (r/w), Abnormal voltage, Motion detection, Tampering, Analytics detection, FTP server exception, Pre & Post alarm, Alarm based recording & snapshot
General	
Power	DC 12V ± 25%, 1A (Not included in package), max 7.5W PoE: IEEE 802.3af, max 9W
Operating Temperature	-35 °C to 65 °C
Operating Humidity	0 to 95% Relative Humidity (non-condensing)
Ingress Protection	IP67
Vandal Resistant	IK10 (housing)
Surge Protection	TVS4000V
Reset Button	Yes
Dimensions	143×143×124 mm
Net Weight	Approx. 0.95 kg

Ordering Information:

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2MP Low Light Vandal Proof IP Dome Camera with 2.7~13.5mm Motorized Zoom Lens and support of PoE, WDR, SD Card Slot, Built in Mic, Smart Analytics and 50M IR

