



Cam8MP Dome IP67

Cloud Managed 4K AI Outdoor Dome with 512GB Storage

Overview

The EnGenius Cloud Camera Cam8MP Dome (ECC500) is a cloud-managed surveillance solution for SMBs seeking scalable security. It enables seamless remote monitoring via the cloud dashboard and mobile app. This camera includes 512GB of built-in storage for secure 4K video recording, reducing reliance on traditional NVRs. Enhanced with an 8MP Sony Starvis sensor with HDR and an extended IR range, it delivers exceptional image clarity in all lighting conditions. IP67 and IK10-rated, it is built to withstand harsh environments. Advanced AI technology, including facial recognition and LPR, detects unusual people and vehicles in real time, triggering instant alerts and enabling AI-powered searches to reduce footage review time from hours to minutes.



Features & Benefits

- Cloud Dashboard Management and Mobile App monitoring anywhere
- 4K Sony Starvis sensor with HDR 120db of crystal-clear image quality day and night
- 3X motorized optical zoom remotely controllable without missing any details
- Camera durable 512GB storage for event and continuous recording 24x7
- IP67 and IK10 for tough weather and vandal resistant
- AI NPU of facial recognition and LPR for instant alert, search, and statistics

Technical Specifications

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Sensor
1/2.8 " Sony Starvis 8MP CMOS
Lens
Varifocal 3.2 ~ 10.5mm motorized zoom, Remote zoom, AF
View Angle
H: 97° ~ 35.3°, V: 56.1° ~ 20.3°, D: 115° ~ 41.7°
Night Vision
Built-in IR LED illumination and IR cut filter
IR Distance
30m / 98ft
Lens Adjustment Range
Manual, Pan: 0° ~ 350°, Tilt: 0° ~ 60°, Roll: 0° ~ 350°

Video
Resolution
8MP 3840x2160 (16:9)
Frame Rate
20 FPS
Video Compression
H.265, H.264, Smart Stream
Streaming Bitrate
600Kbps ~ 6Mbps (Optional, Adaptive)
Video Processing
AE, AWB, AGC, BLC, LDC, WDR, HDR(120dB), 3DNR, Privacy Mask, OSD, Video Orientation

Audio
Audio Format
AAC, G.711
Microphone
Built-in, 5m / 15ft distance
Speaker
Not supported

Advanced AI Analytics
AI NPU
Built-in
People Detection and Tracking
History search, People counting
Vehicle Detection and Tracking
History search, Vehicle counting
Tampering Detection
Event alert
Restricted Area Detection
Event alert, Object counting
Cross Line Detection
Event alert, Object counting
Person Attribute Detection
History search, Target alert
Vehicle Attribute Detection
History search, Target alert
Facial Recognition
Hisotry search, Search by Photo, Target alert

License Plate Recognition
History search, Target alert
EnGenius Cloud AI
Support

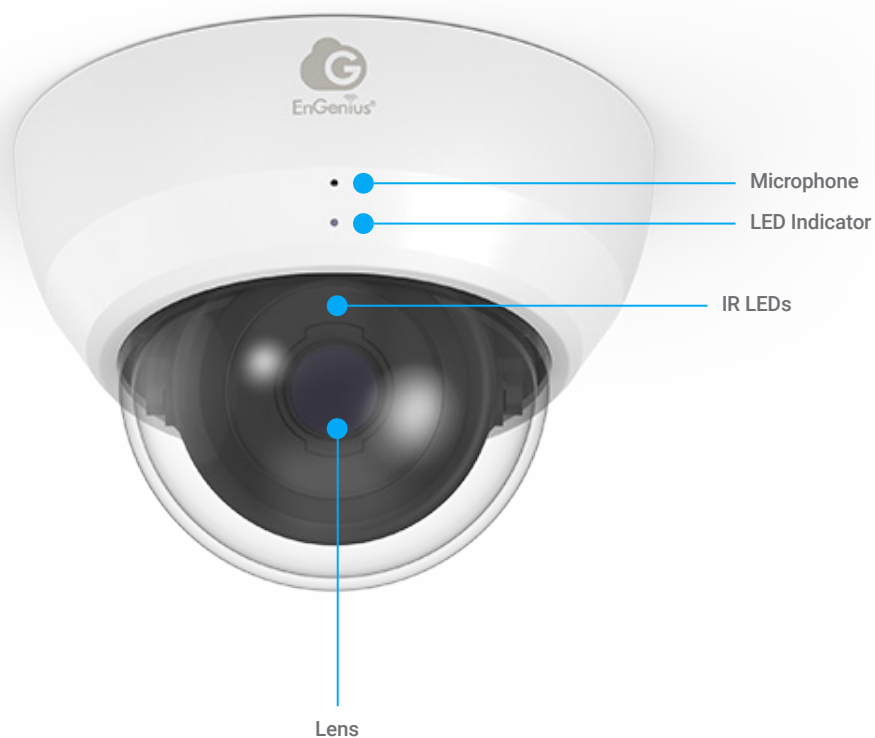
Storage
Storage Size
512GB on board
Retention Method
24/7 seamless, Auto Recycling
Retention Days
30 days
Recording Encryption
AES128
Storage Redundancy
Support EnGenius NVS and Cloud storage

System
LED Indicator
System power and status indicator
RTSP
Supported
Reset Button
Internal
Networking Interface
10/100/1000 MbE RJ45 port
Power Method
PoE 802.3af Class 3
Max. Power Consumption
12.9W
Operating Temperature
-40°C ~ 50°C / -22°F ~ 122°F
Humidity
5%~90%
Certifications
CE, FCC

Mechanical
Enclosure Material
Aluminum alloy, Polycarbonate
Weatherproofing
IP67
Resistance
IK10
Dimensions
Ø155 x 106 mm (Ø6.10x 4.17")
Weight
994g / 35.06oz

Management Software
Web Browser
Chrome, Safari, Edge
Mobile App
Cloud To-Go on iOS and Android

Hardware Overview



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Features and specifications subject to change without notice. Trademarks and registered trademarks are the property of their respective owners. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his/her own expense. Prior to installing any surveillance equipment, it is your responsibility to ensure the installation is in compliance with local, state and federal video and audio surveillance and privacy laws.

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