



## 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, tracks 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, IK10, and working -40°C ~ 60°C / -40°F ~ 140°F for tough weather and vandal resistant
- Multi TOPS AI NPU of facial recognition for instant alert, search, and statistics
- AES-256 encryption ensures microSD recordings remain protected and unplayable on other platforms

# 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: 108.1° ~ 30.3°, V: 56.3° ~ 17.1°, D: 130.9° ~ 34.8°

### 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

### Vehicle Attribute Detection

History search

### Facial Recognition

History search, Search by Photo, Target alert, Tracking Timeline

## EnGenius Cloud AI

Support

## Storage

### Storage Size

512GB on board

### Retention Method

24/7 seamless, Auto Recycling

### Retention Days

30 days

### Recording Encryption

AES256

### 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

802.3at PoE+

### Max. Power Consumption

16.1W

### Operating Temperature

-40°C ~ 60°C / -40°F ~ 140°F

### Humidity

5%~90%

### Certifications

CE, FCC

## Mechanical

### Enclosure Material

Aluminum alloy, Polycarbonate

### Weatherproofing

IP67

### Resistance

IK10

### Dimensions

Ø145 x 105 mm (Ø5.71x 4.14")

### Weight

740g / 26.11oz

## Management Software

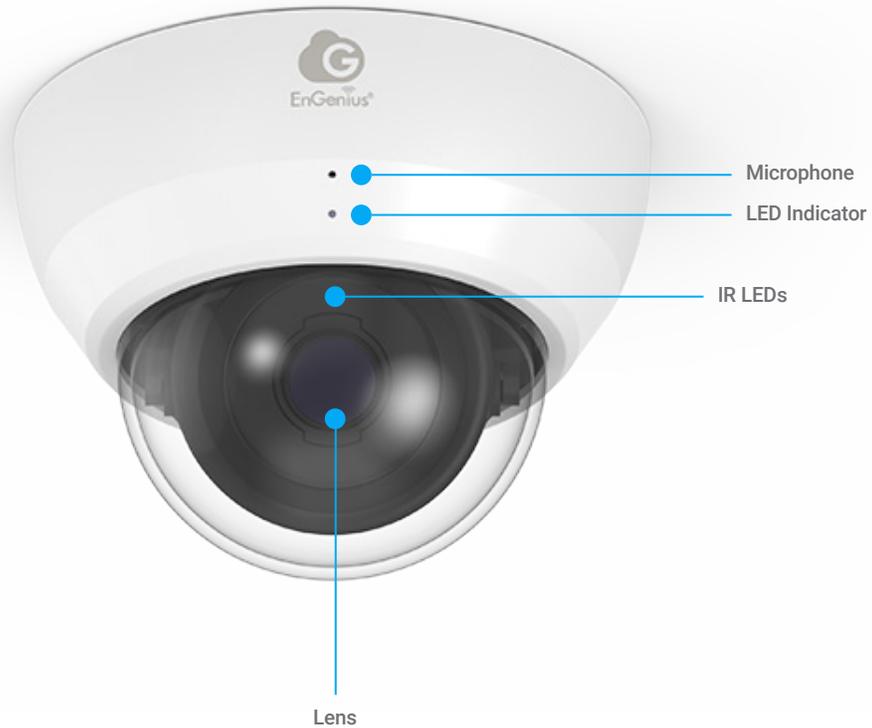
### Web Browser

Chrome, Safari, Edge

### Mobile App

Cloud To-Go on iOS and Android

## Hardware Overview



### EnGenius Technologies | California, USA | Ontario, Canada

Email: [support@engeniustech.com](mailto:support@engeniustech.com)  
Website: [www.engeniustech.com](http://www.engeniustech.com)  
Local contact (USA): (+1) 714 432 8668  
Local contact (Canada): (+1) 905 940 8181

### EnGenius Networks Private Limited | Hyderabad, India

Email: [indiasales@engeniustech.com](mailto:indiasales@engeniustech.com)  
Website: [www.engeniustech.com/in/](http://www.engeniustech.com/in/)  
Local contact: (+91) 9845514455

### EnGenius Networks Europe B.V. | Eindhoven, Netherlands

Email: [support@engeniustech.com](mailto:support@engeniustech.com)  
Website: [www.engeniustech.com/eu/](http://www.engeniustech.com/eu/)  
Local contact: (+31) 40 8200 887

### EnGenius Networks Singapore Pte Ltd. | Singapore

Email: [techsupport-sg@engeniustech.com](mailto:techsupport-sg@engeniustech.com)  
Website: [www.engeniustech.com/apac/](http://www.engeniustech.com/apac/)  
Local contact: (+65) 6227 1088

### EnGenius Networks Dubai | Dubai, UAE

Email: [support-me@engeniustech.com](mailto:support-me@engeniustech.com)  
Website: [www.engeniustech.com/apac/](http://www.engeniustech.com/apac/)  
Local contact: (+971) 4 339 1227

### 恩碩科技股份有限公司 | Taiwan, R.O.C.

Email: [sales@engeniustech.com](mailto:sales@engeniustech.com)  
Website: [www.engeniustech.com/tw/](http://www.engeniustech.com/tw/)  
Local contact: (+886) 933 250 628

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