



## Cam8MP Dome IP67 512GB Cloud Managed 4K AI Outdoor Dome with 512GB Storage

### Overview

The EnGenius Cloud Camera Cam8MP Dome IP67 512GB (ECC500) brings AI-powered facial recognition to the forefront, helping businesses identify people in real time, receive instant alerts, and quickly locate relevant footage. Its built-in 512GB storage enables durable 4K recording directly on prem, reducing reliance on traditional NVRs or continuous cloud uploads while giving SMBs greater control over sensitive surveillance data. With an 8MP Sony Starvis sensor with HDR, extended IR range, and IP67/IK10 protection, ECC500 delivers intelligent, reliable security for demanding indoor and outdoor environments.



### 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 controllable remotely 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

## Optics

### 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

### Room Occupation

Event alert

### Hands-up Detection

Event alert

## 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 (Ø5.71 x 4.14")

### Weight

740g / 26.11oz

## Management Software

### Web Browser

Chrome, Safari, Edge

### Mobile App

Cloud To-Go on iOS and Android

# Technical Specifications

## TV App

EnGenius Sight on Google TV

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## Hardware Overview



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.

