



## Cam8MP Dome IP67 NS

# Cloud Managed 4K AI Outdoor Dome without MicroSD Card

### Overview

The Cloud Managed 4K AI Outdoor Dome without MicroSD Card (ECC500Z) 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 can integrate with EnGenius NVS for durable and reliable video recording. 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, tracks unusual person 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
- Record to external 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 external 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

### Facial Recognition

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

## EnGenius Cloud AI

Support

## Storage

### Retention Method

24/7 seamless, Auto Recycling for external storage

### 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

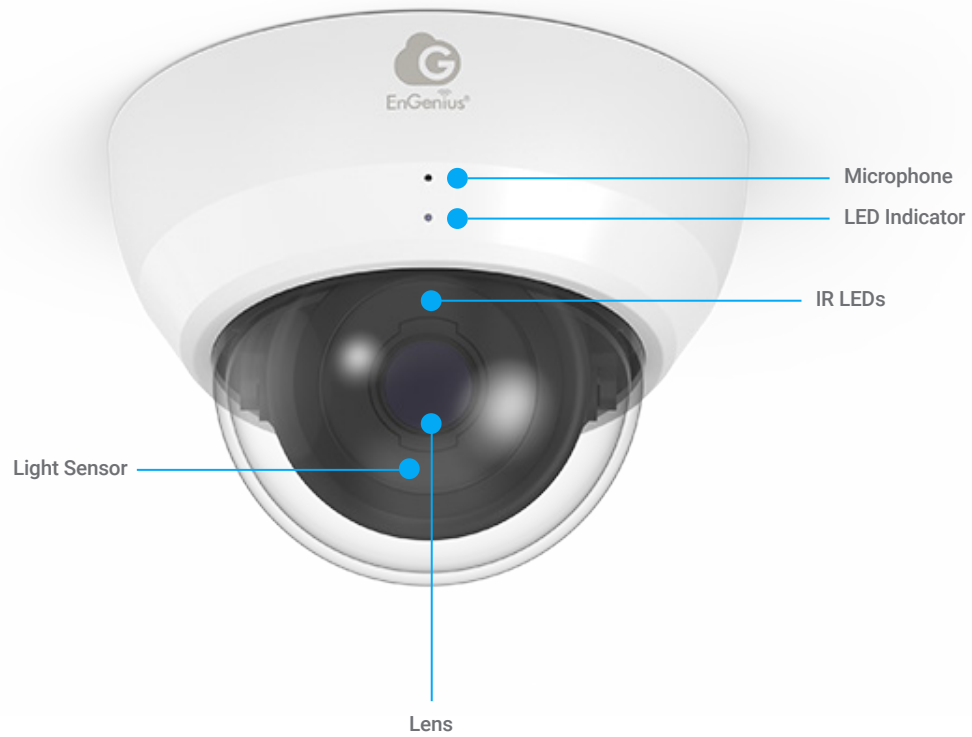
### Web Browser

Chrome, Safari, Edge

### Mobile App

Cloud To-Go on iOS and Android

## 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.

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