



Cam8MP Dome IP67 NS Cloud Managed 4K AI Outdoor Dome without MicroSD Card

Overview

The EnGenius Cloud Camera Cam8MP Dome IP67 NS (ECC500Z) enhances business security with AI-powered facial recognition for instant alerts. It features advanced AI Search to drastically reduce footage retrieval time, and offers easy video clip sharing via URL. For privacy concerns, the camera is designed without microSD storage, integrating seamlessly with EnGenius NVS to back up video on-premises, ensuring reliable and highly available centralized recording. It offers scalable remote monitoring and management through the EnGenius Cloud platform. Its 8MP Sony STARVIS sensor, HDR, and IP67/IK10 housing ensure resilient outdoor surveillance.



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
- 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, True WDR(120dB), HDR, 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

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

TV App

EnGenius Sight on Google TV

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.

