

ECC100Z



Cam5MP Dome IP67 Cloud Managed AI Outdoor Dome without Storage

Overview

The EnGenius Cloud Camera Cam5MP Dome (ECC100Z) is a cloud-managed outdoor surveillance solution for SMBs seeking scalable security. It enables seamless remote monitoring via the cloud dashboard and mobile app. This camera can backup video to EnGenius NVS for reliable HD video recording. Enhanced with a 5MP Sony Starvis sensor with HDR, a 132° viewing angle, and a 20m IR range, it delivers clear imaging in all lighting conditions. IP67 and IK10-rated, it is built to withstand harsh environments. Advanced AI technology 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
- 5MP Sony Starvis sensor with HDR of crystal clear image quality day and night
- Wide view angles 132° and long IR distance 20m fit a complicated environment
- Record to external storage for event and continuous recording 24x7
- IP67 and IK10 for tough weather and vandal-resistant
- AI NPU of people and vehicle detection for instant alert, search, and statistics

Technical Specifications

Optics

Sensor

1/2.8" Sony Starvis 5MP CMOS

Lens

Fixed 3.16mm

View Angle

H: 102°, V: 71.6°, D: 132°

Night Vision

Built-in IR LED illumination and IR cut filter

IR Distance

>20m / 66ft

Lens Adjustment Range

Manual, Pan: 0° ~ 350°, Tilt: 0° ~ 90°, Roll: 0° ~ 350°

Video

Resolution

5MP 2592 x 1944 (4:3)

Frame Rate

20 FPS

Video Compression

H.265, H.264

Streaming Bitrate

768Kbps, 1.5Mbps, 2Mbps (Optional)

Video Processing

AE, AWB, AGC, BLC, HLC, WDR, 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

EnGenius Cloud AI

Support

Storage

Retention Method

24/7 seamless, Auto Recycling

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 MbE RJ45 port

Power Method

PoE 802.3af Class 3

Max. Power Consumption

6.5W

Operating Temperature

-20°C ~ 50°C / -4°F ~ 122°F

Humidity

98%

Certifications

CE, FCC

Mechanical

Enclosure material

Aluminum alloy, Polycarbonate

Weatherproofing

IP67

Resistance

IK10

Dimensions

Ø121.7 x 94.8 mm (Ø4.79 x 3.73")

Weight

525g / 18.5oz

Management Software

Web Browser

Chrome, Safari, Edge

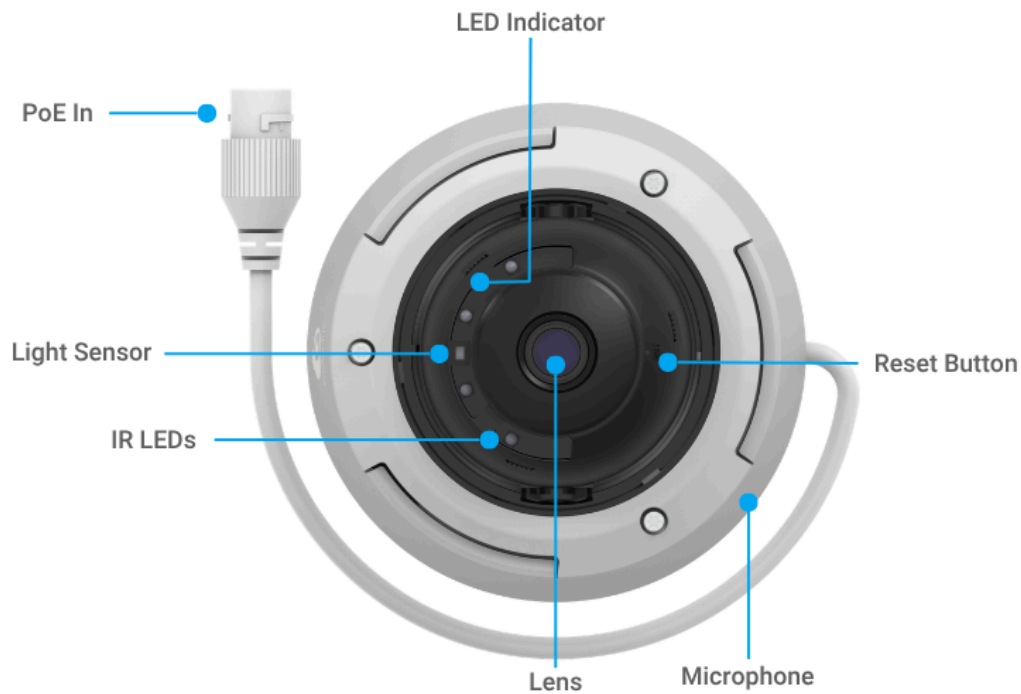
Mobile App

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.

