ECC100

## Cam5MP Dome IP67

# Cloud Managed AI Outdoor Dome with 256GB Storage

## Overview

The EnGenius Cloud Camera Cam5MP Dome (ECC100) 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 includes 256GB of built-in storage for reliable HD video recording, reducing reliance on traditional NVRs. 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 of 132° and long IR distance of 20m fit a complicated environment
- Camera durable 256GB 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

## Technical Specifications

**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 ~ 2.5Mbps (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

**EnGenius Cloud AI**

Support

## Storage

**Storage Size**

256GB on board

**Retention Method**

24/7 seamless, Auto Recycling

**Retention Days**

20 days based on video bitrate

**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 2

**Max. Power Consumption**

6.1W

**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

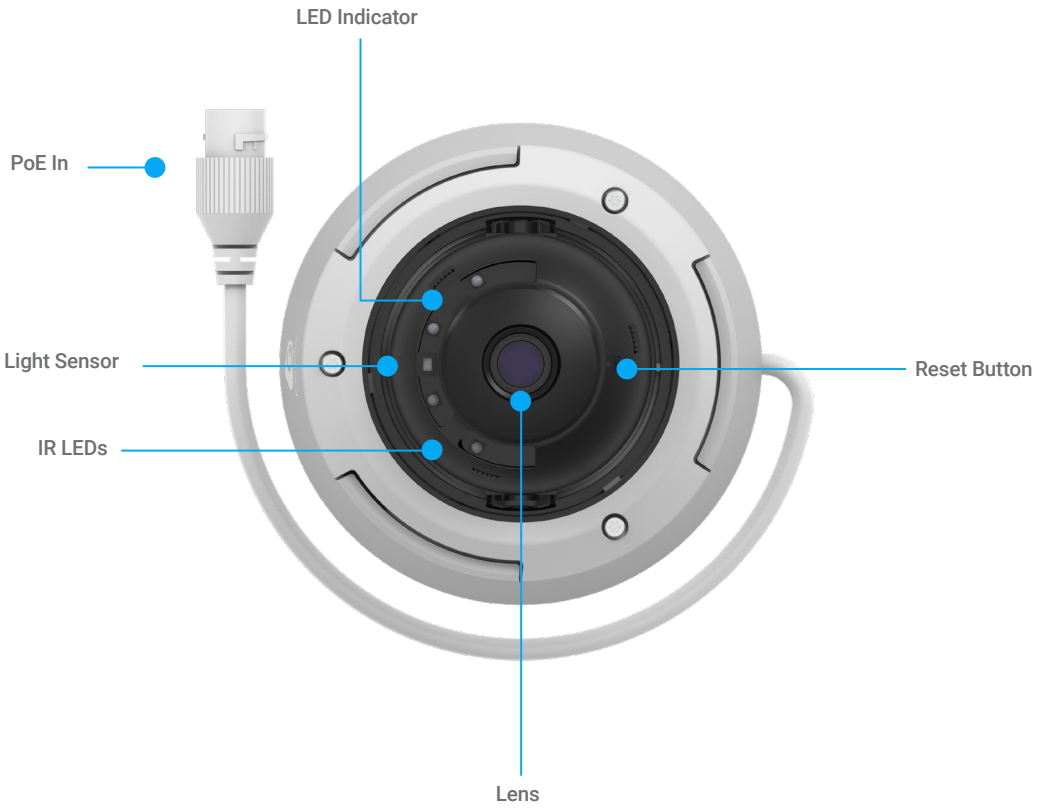
**Web Browser**

Chrome, Safari, Edge

**Mobile App**

Cloud To-Go on iOS and Android

# Hardware Overview

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