IPEL-E80V-IRW3
8MP Starlight Eyeball Network Camera

IC REALTIME

- 8MP, 1/2.8" CMOS image sensor, low illuminance, high image definition
- H.265 & H.264 triple-steam encoding
- 8 MP (3840 × 2160) @25/30 fps
- Intelligent Motion Detect 2.0 and Perimeter Protection
- WDR(120dB), Day/Night(ICR), 3DNR,AWB,AGC,BLC,
- Starlight, Max. IR LEDs Length 131ft, Built-in Mic
- 256GB Micro SD memory, IP67, PoE

System Overview

IC Realtime's IPEL-E80V-IRW3 is a 4K eyeball style IP camera equipped with a 2.7 mm–13.5 mm motorized varifocal lens capable of up to 8MP (3840 × 2160) @30 fps. Due to the high resolution, the camera supports H.265 compression for optimized storage. The camera lens features enhanced low light capabilities with Starlight support and a max IR distance of 164 feet. This tough IP67 rated camera also supports 256GB Micro SD storage, audio capabilities with a built-in microphone.

As an Elite line camera, it is also equipped with advanced AI capabilities with Intelligent Motion Detect 2.0 and Perimeter Protection. This technology utilizes a deep learning algorithm that recognizes people and vehicles, which drastically reduces false positives, enabling a more optimized search function.

Functions

iMD 2.0 (Intelligent Motion Detect)
The AI Machine Learning algorithms in our Intelligent Motion Detection (iMD) recorders & cameras means detection gets more accurate over time. Now, iMD 2.0 provides even better recognition, even fewer false alerts, and it encodes detection metadata in every video frame right from installation. This enables our new Object Search system to quickly locate recorded clips matching your search parameters.

Intelligent Video Analysis (IVS)
With built-in intelligent video analytics, the camera has the ability to detect and analyze moving objects for improved video surveillance. The camera provides optional standard intelligence at the edge allowing detection of multiple object behaviors such as Tripwire analytics, allowing the camera to detect when a predetermined line has been crossed, ideal for business intelligence, workforce optimization, and actionable intelligence.

Smart H.265+
Smart H.265+ is the optimized implementation of the H.265 codec that uses a scene-adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality video without straining the network. Smart H.265+ technology reduces bit rate and storage requirements by up to 70% when compared to standard H.265 video compression.

Starlight Technology
Featuring Starlight Technology, this camera is ideal for applications with challenging lighting conditions. Its low-light performance delivers usable video with minimal ambient light. Even in extreme low-light conditions, Starlight Technology is capable of delivering color images in near complete darkness (0.005 lux).

Wide Dynamic Range (WDR)
The camera achieves vivid images, even in the most intense contrast lighting conditions, using industry-leading wide dynamic range (WDR) technology. For applications with both bright and low lighting conditions that change quickly, True WDR (120 dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

Perimeter Protection
IC Realtime's Perimeter Protection features significantly improve detection accuracy. The benefits of Perimeter Protection include up to a 90% reduction in false alarms. Other advantages include a decrease in pixel count requirement for object detection, which translates into more efficiency with less strain on the system. Perimeter Protection options let you customize tripwires based on the object type and allow intelligent automation within a limited area of access such as pedestrian or vehicle-only zones. The combination of advanced AI analytics and real-time alerts maximizes efficiency & balance of the total systems capacity and resources resulting in greater surveillance system efficiency

AI Functions

IVS

Basic IVS	Tripwire; Intrusion

Perimeter Protection

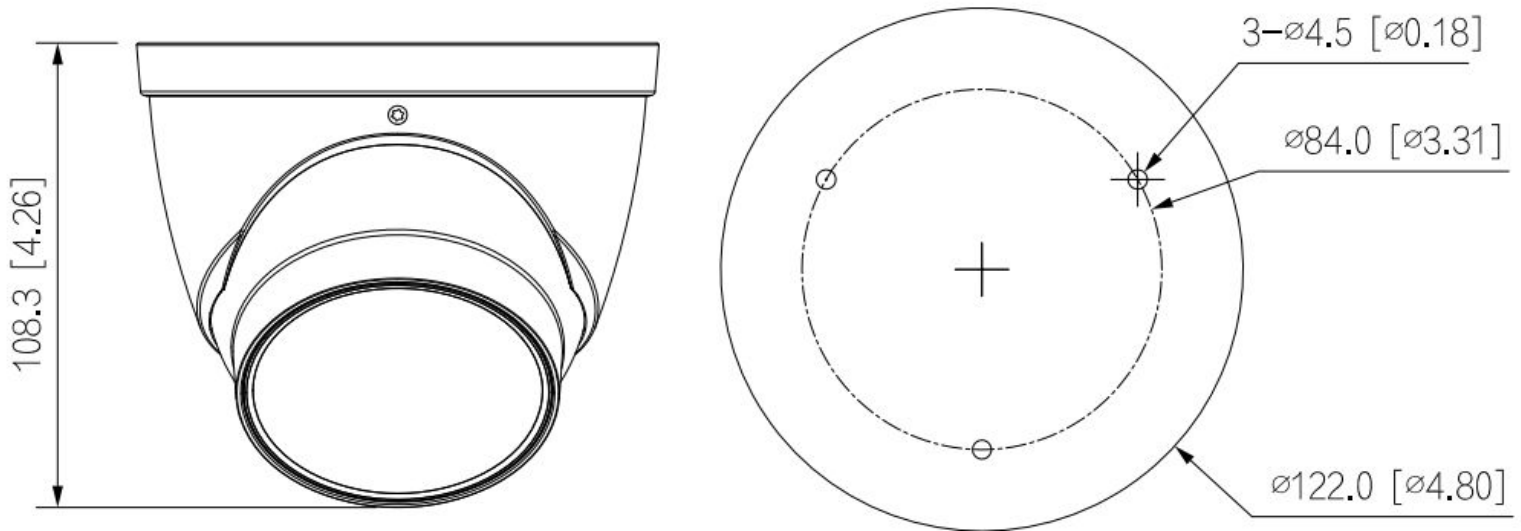| Capabilities	Tripwire; Intrusion (Supports the classification and detection of vehicle and human objects)

Intelligent Motion Detect 2.0

Capabilities	Advanced secondary filtering for human and motor vehicle , reducing false alarms caused by leaves, rain and lighting condition change. Supports **Object Search** with compatible NVRs.

AI Search

Capabilities	Works together with AI enabled NVRs to perform refined intelligent search, event extraction and merging to event videos

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Dimensions (mm/in)

108.3 [4.26]

3−⌀4.5 [⌀0.18]

⌀84.0 [⌀3.31]

⌀122.0 [⌀4.80]

Accessories

MNT-JUNCTIONBOX-7

FS-05102023-HV1-D1.00

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