

ESP-1320 3MP Dome Network Camera



- 1/3" 3Megapixel progressive CMOS
- H.264+ & H.264 dual-stream encoding
- 20fps@3M(2048x1536)&25/30fps@1080P(1920x1080)
- DWDR, Day/Night(ICR), 3DNR, AWB, AGC, BLC
- Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- 2.8 mm fixed lens
- Max IR LEDs Length 30m
- IP67, IK10, PoE

System Overview

The IR Megapixel Fixed MiniDome camera delivers 3MP resolution with a choice of 2.8mm wide angle lens options. The camera's elegant blend of aesthetics combined with a range of easy mounting solutions provides an excellent choice for a variety of small to mid-size applications at an affordable price.

Functions

True Day/Night

A day/night mechanical IR cut filter makes this camera ideal for applications with fluctuating lighting conditions, delivering colour images during the day and automatically switching to monochrome as the scene darkens

Regions of interest

Regions of Interest (ROI) is a user defined feature that allows the operator to monitor specific areas of a scene while still maintaining overall situational awareness of less important areas

Smart IR

With IR illumination, detailed images can be captured in low light or total darkness. The camera's Smart IR technology adjusts to the intensity of camera's infrared LEDs to compensate for the distance of an object. Smart IR technology prevents IR LEDs from whitening images as they come closer to the camera. The camera's integrated infrared illumination provides high performance in extreme low-light environments up to 30m (98ft).

Smart H.264+

Delivering high quality video without straining the network, Smart H.264+ is the optimized implementation of H.264. The Smart H.264+ encoding platform includes a scene adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction, providing a savings of up to 70% of bandwidth and storage when compared with standard H.264.

Environmental

With a temperature range of -30 °C to +60 °C (-22°F to +140 °F), the camera is designed for extreme temperature environments. The camera complies to an IK10 impact rating making it capable of withstanding the equivalent of 55 kg (120 lbs) of force. Subjected and certified to rigorous dust and water immersion tests, the IP67 rating makes it suitable for demanding outdoor applications. For environments with rain, sleet, snow and fog, an integrated wiper provides users with clear visibility at all times.

Image flip

Capturing unnecessary data such as surrounding hallway walls can increase storage requirements without any added value. The image flip feature allows the camera's image to be rotated in 90° increments for better video optimization.

Interoperability

The camera conforms to the ONVIF (Open Network Video Interface Forum) specifications, ensuring interoperability between network video products regardless of manufacturer.

Protection

Supporting ±10% input voltage tolerance, this camera suits even the most unstable conditions for outdoor applications. Its 6KV lightning rating provides protection against the camera and its structure from the effects of lightning.

Technical Specification

Image Sensor	1/3" 3Megapixel progressive CMOS
Effective Pixels	2304(H) x 1536(V)
RAM/ROM	256MB / 16MB
IR Distance	Distance up to 30m (98ft)
IR On/Off Control	Auto/Manual
IR LEDs	24
Lens Type	Fixed
Focal Length	2.8 mm
Angle of View	H: 98°/77° V: 51°/41°
Focus Control	Fixed
Close Focus Distance	N/A
Edge Storage	NAS(Network Attached Storage), Local PC for instant recording
Web Viewer	IE, Chrome, Firefox, Safari
Management Software	Smart PSS, DSS, Easy4ip
Smart Phone	IOS, Android
Video Compression	H.264+/H.264
Protocol	HTTP; HTTPS; TCP; ARP; RTSP; RTP; UDP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; QoS; UPnP; NTP; Bonjour; 802.1x; Multicast; ICMP; IGMP
Network Ethernet	RJ-45 (10/100Base-T)

Resolution	3M(2048×1536)(2304×1296) 1080P(1920×1080) 1.3M(1280×960) 720P(1280×720) D1(704×576/704×480) CIF(352×288/352×240)
Frame Rate	3M(1 ~ 20fps) 2M (1 ~ 25/30fps)s) D1/CIF(1 ~ 25/30fps)
Day/Night	Auto(ICR) / Color / B/W
Motion Detection	Off / On (4 Zone, Rectangle)
Smart IR	Support
Audio Compression	N/A
Power Supply	DC12V PoE (802.3af)(Class 0)
Power Consumption	<5.0W
Ingress Protection	IP67
Vandal Resistance	IK10
Casing	Metal
Dimensions	Φ109.9mm × 81mm (4.33" x 3.19")
Gross Weight	0.47Kg (1.04lb)



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