

ESP-8630 6MP Panoramic Network IR Fisheye Camera



- 1/1.8" 6Megapixel progressive scan STARVIS™ CMOS
- H.265/H.264 triple-stream encoding
- Max 25/30fps@6M(3072x2048)
- Multiple dewarped Mode
- Day/Night(ICR), 3DNR, AWB, AGC, BLC
- Smart detection
- Intelligent Function
- Max. IR LEDs length 10m
- Micro SD memory, IP67, IK10, PoE

System Overview

Fisheye camera is an expert at panoramic surveillance with low-profile design. With a fisheye lens, the camera can provide a high quality 180° or 360° panoramic views without blind spots, making it ideal for wide and open areas, such as airports, shopping malls, banks, hotels, stores, offices and more. The camera can offer different views including 360° overview and dewarped views such as panorama view, double views and quad views.

Functions

Protection (IP67, IK10, wide voltage)

Supporting $\pm 25\%$ input voltage tolerance, this camera suits even the most unstable conditions for outdoor applications. Its 6KV lightning rating provides effective protection for both the camera and its structure against lightning. IP67 is supported by the camera, which makes it suitable for both indoor and outdoor environments. IK10 compliance enables the camera to sustain the equivalent of 55 kg (120lbs) force.

Panoramic

Panoramic cameras provide 180°, 360° full range of video scene, bringing people a new sense of real live and interactive experience. Provides two kinds of panoramic camera, single lens fisheye camera and multi-lens camera, both of them can offer 180-degree & 360-degree panoramic image. Through working together with PTZ camera which offer whole scene and region details at same time. It provided new surveillance experience to end user and improved the surveillance quality

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 whiting out images as they come closer to the camera. The camera's integrated infrared illumination provides high performance in extreme low-light environments up to 10m (33ft).

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

HEVC(H.265)

H.265 ITU-T VCEG is a new video coding standard. H.265 Following standard developed around the existing video coding standard H.264, some retain the original technology, while some of the relevant technology to improve the new technology uses advanced technology to improve the relationship between the code stream, encoding quality, and the delay between algorithm complexity, optimize settings specific contents include: Improve compression efficiency, improve the robustness and error recovery capabilities, real-time to reduce the delay, reduce channel acquisition time and a random access delay, reduce complexity, etc

Business intelligent analysis (Heatmap)

Fisheye camera also supports advanced intelligent feature like heat map besides basic IVS functions. The heatmap function can be applied to business intelligence and bring extra values to customers. The heat map function based on a moving object in time of space movement for analysis, find the most active area and output the report, which is to provide valuable data support for commercial applications.

Technical Specification

Image Sensor	1/1.8" 6Megapixel progressive scan CMOS
Effective Pixels	3072(H) x 2048(V)
RAM/ROM	1024MB / 128MB
IR Distance	Distance up to 10m (33ft)
IR On/Off Control	Auto/Manual
IR LEDs	3
Lens Type	Fixed
Focal Length	1.7 mm
Angle of View	H: 180° V: 180°
Focus Control	Fixed
Close Focus Distance	N/A
Edge Storage	NAS(Network Attached Storage), Local PC for instant recording, Micro SD card 128GB
Web Viewer	IE, Chrome, Firefox, Safari
Management Software	Smart PSS, DSS, Easy4ip
Smart Phone	IOS, Android
Video Compression	H.265/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 (100/1000Base-T)

Resolution	6M(3072×2048)/ 4M(2048×2048)/ 3M(2048×1536)/ UXGA(1600×1200)/ 1.3M(1280×960)/ D1(704×576/704×480)/ CIF(352×288/352×240)
Frame Rate	Main Stream: 6M(1~25/30fps) Sub Stream: D1(1 ~ 25/30fps) Third Stream: 1.3M(1 ~ 25/30fps)
Day/Night	Auto(ICR) / Color / B/W
Motion Detection	Off / On (4 Zone, Rectangle)
Smart IR	Support
Audio Compression	G.711a/G.711Mu/AAC/ G.726
Power Supply	DC12V PoE (802.3af)(Class 0)
Power Consumption	<12W
Ingress Protection	IP67
Vandal Resistance	IK10
Casing	Metal
Dimensions	Φ149.8mm×50.7mm(Φ5.9"×2")
Gross Weight	1.0Kg (2.2lb)



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