

ES-852012C-S5-C | Full Color Series

2MP Full color Face Detection Eyeball IP Camera



- 1/2.9" 2MP CMOS Sensor
- H.265 triple stream encoding
- High-quality optical lens: 3.6mm
- White light range 20m
- An embedded face detection algorithm
- White/Black-list alarm deployment
- Multiple web browsers supported
- Remote viewing with mobile application or VMS
- Lightning protection up to 6kV
- IP67 metal casing



System Overview

Powered by the cutting edge F1.0 large aperture lens and warm white LED illuminators, ZKTeco's Full Color series camera presents a high-quality color image with rich details even in total darkness conditions. It's promising to deliver authentic identification 24/7.

The Full Color series also offers multiple industry-leading intelligent Face Detection function for smart face deployment alarms.

The P2P cloud function is built-in for every device, much convenient and flexible for remote real-time viewing.

Functions

Full-color & Starlight

It adopts an F1.0 large aperture lens and a 1/2.9" high-performance sensor. With a higher amount of absorbed light and an advanced image processing algorithm, the camera presents an impressive low light performance with an exceptional balance between noise reduction and the blur of moving objects. With 2pcs warm white LED illuminators, it can provide a colorful and vivid image even in total darkness.

H.265

H.265 technology is an evolutionary optimization of the traditional H.264. It includes a series of encoding strategies such as dynamic ROI, smart 2D&3D noise reduction for delivering high-quality videos, and significantly saving up to 70% bandwidth and storage.

Protection

With its precise mechanical and rugged metal casing design, IP cameras of the Full Color series rated IP67 could stand against water and dust for a long time.

With 10% of input voltage tolerance, the cameras could work safely under extreme or unstable power conditions.

With a working temperature range from -30°C to 60°C, the cameras could adapt to various harsh outdoor environments.

Technical Parameters

Camera

Model	ES-852012C-S5-C	Flash / DDR	128Mb/512Mb
Image Sensor	1/2.9" 2MP CMOS Sensor	White Lights No.	2
Effective Pixels	1920*1080	White Light Distance	20m
Min. Illumination	Color: 0.0001Lux@F1.0 (AGC ON)	S/N Ratio	>52dB

Lens

Lens Type	Fixed	Aperture	F1.0
Mount Type	Board-in	FOV	90°
Focal Length	3.6mm	Optical Zoom	N/A

Video

Compression	H.265 / H.264	WDR	DWDR
Resolution	1080P (1920 x 1080) / D1 (720 x 576)	Day / Night	Support
Bitrate Control	CBR / VBR	White Balance	Support
Bitrate	H.265: 16Kbps-4Mbps H.264: 80Kbps-4Mbps	Defog	N/A
Multi-Streaming	Main Stream: 1080P@25fps	Noise Reduction	3D DNR
	Sub Stream: D1(720*576)@25fps / VGA(640*480)@25fps	Mirror/Flip	Support
	Third Stream: N/A	Corridor Mode	N/A
Motion Detection	Support	HLC	Support
Digital Zoom	Support	BLC	Support
Audio Compression	G7.11u	ROI	4 areas
Privacy Mask	4 areas	Anti-flicker	N/A

IVA

Intelligent Video	Face Detection
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Face Detection

Face Templates	N/A	Face Quality Filtering	Support
Face Detected Per Frame	5	Detection Area	User-defined
Detected Face Size	80x80 to 300x300 Pixels	Capture Response	≤200ms

Network

Protocol	TCP/IP, UDP, HTTP, IGMP, ICMP, DHCP, RTP/RTSP, DNS, DDNS, FTP, NTP, PPPoE, UPNP, SMTP, SNMP	Management Software (VMS)	AntarVis 2.0/ ZKBioSecurity IVS/ZKBioAccess IVS/ ZKBio CVSecurity/ZKBio CVAccess
Interoperability	ONVIF Profile S, SDK, API	Operation System	Windows
Max. Online Users	3	Mobile APP	AntarView Pro+ (iOS & Android)
Web Browser	IE / Firefox / Chrome / Safari	P2P Cloud Service	Support

Interface

Ethernet	1 RJ-45 port (10/100Mbps)	Reset Button	N/A
Audio I/O	N/A	Micro-SD Slot	N/A
Alarm I/O	N/A	ANR	N/A
RS485	N/A	USB	N/A

General

Power Supply	PoE (IEEE802.3af), DC 12V±10%	Working Temperature	-30°C to 60°C
Power Consumption	<3W	Working Humidity	10% to 90%
Ingress Protection	IP67	Net Weight	0.38kg
Dimensions (L*W*H)	Φ107 * 107 (mm)	Gross Weight	0.48kg

Order Information

Camera	Model	Description
2MP Camera	ES-852012C-S5-C	2MP Full Color Face Detection Eyeball IP Camera

Dimensions (mm)