

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

2MP Full Color Turret IP Camera with micro-SD slot



- 1/2.9" 2MP CMOS sensor
- H.265 dual stream encoding
- 3.6mm high-quality optical lens
- White light range 20m
- Built-in PoE & microphone
- Built-in micro-SD card slot (support max. 256GB)
- Multiple web browsers supported
- P2P cloud remote viewing by Mobile Application/VMS
- Lightning protection up to 6kV
- IP67 metal casing

System Overview

ZKTeco's full-color series camera empower by the cutting edge F1.0 large aperture lens and warm white LED illuminators, presenting a high- quality color image with rich details even in total darkness conditions. The camera functions are upgraded with an embedded PoE and microphone, as well as a built-in micro-SD card slot, supporting maximum 256GB. Also, the 5MP full-color series also offers multiple industry-leading smart face detection function for smart face deployment alarms. The P2P cloud function is built-in for every device, enhancing convenience and flexibility for remote real-time viewing.

Functions

Full-color & Starlight

It adopts an F1.0 large aperture lens and a 1/2.9" high-performance GalaxyCore 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 two 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.

Micro-SD Card Slot

The models which are built-in with a micro-SD card slot enable to install a micro-SD card with max. 256GB capacity. It brings great conveniences for the portable short time video recording. The ANR function helps to keep the video data safer when a sudden or temporary network interruption happened.

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 environment.

Technical Parameters

Camera

Model	ES-852012T-S5-C-MI	Flash / DDR	16Mb / 512Mb
Image Sensor	1/2.9" CMOS	White Lights No.	2
Effective Pixels	1920*1080	White Light Distance	20m
Minimum Illumination	Color: 0.001Lux / F1.0	S/N Ratio	≥52dB

Lens

Lens Type	Fixed	Aperture	F1.0
Mount Type	Pole / Corner Mount	FOV	89.28°
Focal Length	3.6mm	Optical Zoom	N/A

Video

Compression	H.265 / H.264	WDR	DWDR	
Resolution	1080P (1920 × 1080) 1.3M (1280 × 960) 720P (1280 × 720)	Day / Night	Support	
Bitrate Control	CBR / VBR	White Balance	Support	
Bitrate	H.265: 128Kbps - 6Mbps H.264: 128Kbps - 6Mbps	Defog	N/A	
Multi-Streaming	Main Stream	1080P@25fps / 960P@25fps / 720P@25fps	Noise Reduction	2D/3D DNR
	Sub Stream	D1@25fps / VGA@25fps / CIF@25fps	Mirror/Flip	Support
	Third Stream	N/A	Corridor Mode	Support
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	N/A
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Facial Detection

Face Templates	N/A	Face Quality Filtering	N/A
Face Detected per Frame	N/A	Detection Area	N/A
Detected Face Size	N/A	Capture Response	N/A

Network

Protocol	TCP/IP, UDP, HTTP, DHCP, RTSP, DDNS, NTP	Management Software (VMS)	AntarVis 2.0 ZKBioSecurity IVS ZKBioAccess IVS
Interoperability	ONVIF, SDK, API	Operation System	Windows
Maximum Online Users	3	Mobile APP	AntarView Pro
Web Browser	IE / Firefox / Chrome / Safari	P2P Cloud Service	Support

Interface

Ethernet	1 RJ-45 port (10/100Mbps)	Reset Button	Support
Audio I/O	Built-in Mic for audio in	Micro-SD Slot	Support (max. 256GB)
Alarm I/O	N/A	ANR	Support
RS485	N/A	USB	N/A

General

Power Supply	PoE, DC 12V±10%	Operating Temperature	-20°C to 55°C
Power Consumption	<3.7W	Operating Humidity	10% to 90%RH
Ingress Protection	IP67	Net Weight	0.42kg
Dimensions	Φ97.00 x 88.50 (mm)	Gross Weight	0.6kg

Order Information

Camera	Model	Description
2MP Camera	ES-852012T-S5-C-MI	2MP Full Color Turret IP Camera

Dimensions (mm)

