

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

2MP Full Color Bullet 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 presents a high-quality color image with rich details even in total darkness, powered by the cutting edge F1.0 large aperture lens and warm white LED illuminators. Moreover, it is promising to deliver accurate identification round-the-clock. The P2P cloud function is built-in for every device, enhancing the remote real-time viewing function.

Functions

Full-color & Starlight

This full-color camera series 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. Also, the four pieces of warm white LED illuminators, it can provide a colorful and vivid image 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, innovative 2D&3D noise reduction for delivering high-quality videos, and significantly saving up to 70% bandwidth and storage.

Micro-SD Card Slot

The camera embedded with a micro-SD card slot supports installing a micro-SD card with up to 256GB capacity. Also, the camera brings great conveniences for the portable short-time video recording. For example, the ANR function helps keep the video data safer when a sudden or temporary network interruption occurs.

Protection

With a precise mechanical and rugged metal casing design, this full color IP camera series attained IP67 rating, which means the camera has a high grade of water resistance and dust protection.

With 10% of input voltage tolerance, the cameras could work safely under extreme or unstable power conditions. Also, with a working temperature range from -30° C to 60° C, the cameras could adapt to various harsh outdoor environment.

Technical Parameters

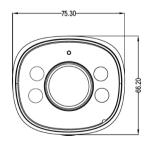
Model BS-B52O12T-S5 C-MI Flash / DDR 16Mb / 512Mb Image Sensor 1/2.9° CMOS IR LED No. 4 Effective Pixels 1920*1080 IR Distance 20m Minimum Illumination Color: 0.0001L 0x@F1.0 (AGC ON) S/N Ratio ≥52dB Lens Type Fixed Aperture F1.0 Mount Type Board-in FOV 85° Focal Length 3.6mm Optical Zoom N/A Video Compression 11265 / H264 WDR DWDR Resolution 112867 / H264 WDR DWDR Bitrate Control CRR / VBR White Balance Support Bitrate Control CRR / VBR White Balance Support Bitrate H.265 / 128Kbps - 6Mbps H.264 / 128Kbps - 6Mbps H.264 / 128Kbps - 6Mbps P.2676 / 720F@25fps Noise Reduction 2D/3D DNR Multi-Streaming Sub Stream Privacy Mask N/A Creig-25fps Nirro//Flip Support Motion Detection Support BLC Support	Camera				
Effective Pixels 1920*1080 IR Distance 20m Minimum Illumination Color: 0.0001Lux@F1.0 (AGC ON) S/N Ratio ≥52dB Lens Lens Type Fixed Aperture F1.0 Mount Type Board-in FOV 85° Focal Length 3.6mm Optical Zoom N/A Video Compression H.265 / H.264 WDR DWDR Resolution H.265 / H.264 WDR DWDR Resolution L.3 M (1280 × 960) 1.3 M (1280 × 960) 1.280 × 720) Day / Night Support Bitrate Control CRR / VBR White Balance Support Bitrate Control CRR / VBR White Balance Support Bitrate Control H.265 : 128/Kbps - 6Mbps Defog N/A Main Stream Di@25fps / Y70P@25fps / GoD@25fps / GoD@2	Model	BS-852O12T-S5-C-MI		Flash / DDR	16Mb / 512Mb
Lens Lens Type Fixed Aperture F1.0 Mount Type Board-in FOV 85° Focal Length 3.6mm Optical Zoom N/A Video Compression H.265 / H.264 WDR DWDR Resolution 1.3M (1.28 x) 960) 1.3M (1.28 x) 960) 2.1800 (1.28 x) 720) Day / Night Support Bitrate Control CBR / VBR White Balance Support Bitrate H.265: 1.28 Kbps - 6 Mbps 1.264: 1.28 Kbps 1.264: 1.28 Kbps - 6 Mbps 1.264: 1.28 Kbps 1.264:	Image Sensor	1/2.9" CMOS		IR LED No.	4
Lens Type Fixed Aperture F1.0 Mount Type Board-in FOV 85° Focal Length 3.6mm Optical Zoom N/A Video Compression H.265 / H.264 WDR DWDR Resolution 1.080P (1920 × 1080) 1.3M (1280 × 960) 7720P (1280 × 720) Day / Night Support Bitrate Control CBR / VBR White Balance Support Bitrate H.265: 128Kbps - 6Mbps H.264: 128Kbps - 6Mbps H.265: 128Kbps - 6Mbps H.266: 128Kbps -	Effective Pixels	1920*1080		IR Distance	20m
Fixed Aperture F1.0	Minimum Illumination	Color: 0.0	001Lux@F1.0 (AGC ON)	S/N Ratio	≥52dB
Mount Type Board-in FOV 85° 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 / WBR White Balance Support Bitrate H.265: 128kbps - 6Mbps H.264: 128kbps - 6Mbps H.264: 128kbps - 6Mbps Defog N/A Multi-Stream Main Streen 1080P@25fps / 60P@25fps / 60P@25fps / 720P@25fps / 72	Lens				
Focal Length 3.6mm Optical Zoom N/A	Lens Type	Fixed		Aperture	F1.0
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 Main Stream 1980P@25fps / 960P@25fps / 720P@25fps Noise Reduction 2D/3D DNR Multi-Streaming Sub Stream D1@25fps / VGA@25fps / 960P@25fps / 720P@25fps Mirror/Flip Support Motion Detection Support HLC Support Motion Detection Support BLC Support Audio Compression G7.11u ROI 4 areas Privacy Mask 4 areas Anti-flicker N/A IVA Intelligent Video N/A Face Quality Filtering N/A Face Templates N/A Face Quality Filtering N/A	Mount Type	Board-in		FOV	85°
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 H.264: 128Kbps - 6Mbps Defog N/A Multi-Stream 1080P@25fps / 960P@25fps / 960P@25fps / 960P@25fps / 960P@25fps / 720P@25fps Noise Reduction 2D/3D DNR Multi-Streaming Sub Stream D1@25fps / VGA@25fps / Mirror/Flip Support Motion Detection Support HLC Support Motion Detection Support BLC Support Audio Compression G7.11u ROI 4 areas Privacy Mask 4 areas Anti-flicker N/A IVA IVA Facial Detection Face Templates N/A Face Quality Filtering N/A Face Detected per Frame N/A Detection Area N/A	Focal Length	3.6mm		Optical Zoom	N/A
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H.264: 128Kbps - 6Mbps Main Stream 1080P@25fps / 960P@25fps / 720P@25fps Noise Reduction 2D/3D DNR Multi-Streaming Sub Stream D1@25fps / 720P@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 Intelligent Video N/A Facial Detection Face Templates N/A Face Quality Filtering N/A Face Detected per Frame N/A Detection Area N/A Detection Area N/A	Bitrate Control	CBR / VBR		White Balance	Support
Multi-Streaming Sub Stream D1@25fps / VGA@25fps / Third Stream N/A Corridor Mode Support HLC Support Motion Detection Digital Zoom Support BLC Support Audio Compression Facial Detection Face Templates Face Detected per Frame Sub Stream D1@25fps / VGA@25fps / CIF@25fps Mirror/Flip Support HLC Support HLC Support BLC Support Auri-flicker N/A Face Quality Filtering N/A Detection Area N/A	Bitrate			Defog	N/A
Sub Stream 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 Face Templates N/A Face Quality Filtering N/A Face Detected per Frame N/A Detection Area N/A	Multi-Streaming	Main Stream	1080P@25fps / 960P@25fps / 720P@25fps	Noise Reduction	2D/3D DNR
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Digital Zoom Support BLC Support Audio Compression G7.11u ROI 4 areas Privacy Mask 4 areas Anti-flicker N/A Intelligent Video N/A Facial Detection Face Templates N/A Face Detected per Frame N/A Detection Area N/A		Third Stream	N/A	Corridor Mode	Support
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Privacy Mask 4 areas Anti-flicker N/A IVA Intelligent Video N/A Facial Detection Face Templates N/A Face Quality Filtering N/A Face Detected per Frame N/A Detection Area N/A	Digital Zoom	Support		BLC	Support
Intelligent Video N/A Facial Detection Face Templates N/A Face Quality Filtering N/A Face Detected per Frame N/A Detection Area	Audio Compression	G7.11u		ROI	4 areas
Intelligent Video Facial Detection Face Templates N/A Face Quality Filtering N/A Face Detected per Frame N/A Detection Area N/A	Privacy Mask	4 areas		Anti-flicker	N/A
Face Templates N/A Face Quality Filtering N/A Face Detected per Frame Detection Area N/A	IVA				
Face Templates N/A Face Quality Filtering N/A Face Detected per N/A Detection Area N/A	Intelligent Video			N/A	
Face Detected per N/A Detection Area N/A Frame	Facial Detection				
Frame Detection Area		N/A		Face Quality Filtering	N/A
Detected Face Size N/A Capture Response N/A		N/A		Detection Area	N/A
	Detected Face Size		N/A	Capture Response	N/A

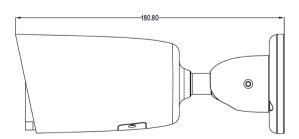
Network					
Protocol	TCP/IP, UDP, HTTP, DHCP, RTSP, DDNS, NTP	Management Software (VMS)	AntarVis 2.0 ZKBioSecurity IVS ZKBioAccess IVS		
Interoperability	ONVIF, SDK, API	Operation System	Windows		
Maximum Online Users	3	Mobile APP	AntarView Pro		
Web Browser	IE / Firefox / Chrome / Safari	P2P Cloud 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	-30°C to 60°C		
Power Consumption	<3.7W	Operating Humidity	0% to 90%RH		
Ingress Protection	IP67	Net Weight	0.4kg		
Dimensions (L*W*H)	180.80 * 75.30 * 66.20 (mm)	Gross Weight	0.52kg		

Order Information

Camera	Model	Description
2MP Camera	BS-852O12T-S5-C-MI	2MP Full Color Bullet IP Camera

Dimensions (mm)







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