

Bullet Network Security Surveillance Camera SV-SM-F1-EX

Making Cities Better

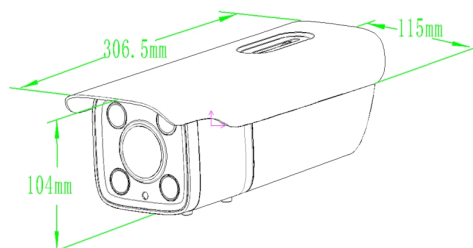
Product Overview

The SV-SM-F1-EX Bullet Network Security Surveillance Camera is defined as a 5x zoom 8MP image monitoring device, equipped with a 2.7-13.5mm motorized zoom lens. The product can be used for area monitoring and security monitoring scenarios.

Functional Features

- Adopts starlight low-light 8MP 1/1.8-inch CMOS image sensor, with good low-light performance and high image clarity
- The product can output up to 8MP 3840×2160@30fps main stream
- Supports H.265/H.264 video encoding
- Supports variable bitrate, adjustable from 256Kbps to 8Mbps; supports frame rate 1~30 fps
- Built-in high-efficiency fill light, maximum warm white light monitoring distance 30 meters
- Image Flip Supported, OSD Setting Supported
- Supports Onvif, GB/T28181 protocols
- Supports wide dynamic range, 3D noise reduction, strong light suppression, backlight compensation, digital watermarking, suitable for different monitoring environments
- DC12V power supply supported
- IP67 ingress protection rating.

Product Appearance



Technical Parameters

BLUE ROBOT AI

Address: RM1903, 19/F LEE GARDEN ONE, 33 HYSAN AVENUE, CAUSEWAY BAY, HK

Email: support@bluerobotai.com

Website: <https://www.bluerobotai.com/>



Camera	
Sensor Type	1/1.8" Progressive Scan CMOS
Minimum Illumination	Color: 0.001 Lx @ (AGC ON) B/W: 0.0001 Lx @ (AGC ON)
Day/Night Switch Mode	ICR Infrared Filter
White Balance	Auto
Shutter Speed	Auto/Manual 1/25s~1/1000 s
Dynamic Range	81dB
Lens	
Focal Length	2.7~13.5mm
Field of View	Horizontal FOV: 112.46°~46.58° Vertical FOV: 60.4°~26.29° Diagonal FOV: 133.25°~53.36°
Focus Mode	Auto
Aperture Type	Fixed
Fill Light	
Fill Light Type	Warm White Light
Fill Light Distance	General Monitoring: 30m
Anti-Overexposure for Fill Light	Supports anti-overexposure of fill light on/off, supports auto and manual when on, manual supports controlling fill light brightness according to distance level
Video	
Maximum Image Resolution	3840x2160
Main Stream Frame Rate and Resolution	30 fps (3840x160, 2560x1440, 1920x1080, 1280x720)
Sub Stream Frame Rate and Resolution	25 fps (720x480, 640x480, 640x360)
Video Compression Standard	H.265/H.264
Supported Streams	256Kbps~8Mbps adjustable
Bitrate Control	Supported (VBR, CBR)
Network	
Network Protocol	Supports HTTP, RTSP, DHCP, NTP, ONVIF, GB28181
Image	
Image Settings	Brightness, contrast, saturation, sharpness, adjustable through browser
Image Enhancement	Backlight compensation, strong light suppression, noise reduction, wide dynamic range
Video System	50Hz, 60Hz Optional
Flip	Horizontal and Vertical Flip Supported
Pixel Cropping	Supports
Day/Night Shutter	Auto, Manual

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Mode	
Image Mode	Normal mode, forced frame rate mode, super starlight mode
Fill Light Working Mode	Pure White Warm Light
Fill Light Image Selection	Normal Mode, Face Anti-Overexposure Mode
Ambient Brightness for Fill Light Activation	0.001~1.3, 18 levels selectable
Fill Light Off Sensitivity	0~100 Optional
Fill Light Brightness	0~100 Optional
Fill Light Brightness Mode	Auto, Manual
IR Cut Mode	Auto, Manual, Scheduled
OSD Display	Supports
OSD Color Style	Black text on white background, white text on black background, black text with white frame on transparent background, white text with black frame on transparent background,
OSD Font Size	Standard, Large, Extra Large
OSD Overlay Information	Title, resolution, bitrate, time, day of week
OSD Time Position	Top Left, Bottom Left, Top Right, Bottom Right, Custom
Time Display Format	10 Display Formats Optional
Time Format	12-hour, 24-hour
Custom Title	Supports
Title Position	Top Left, Bottom Left, Top Right, Bottom Right, Custom
Interface	
Network	1 RJ45 10M/100M adaptive Ethernet port
Power Input	1 DC5521 Female Port
Interface Type	Pigtail Cable
General Specifications	
Product Dimensions	306.5×115×104mm
Product Weight	1570g
Current and Power Consumption (Fill Light On)	DC: 12V, 1.18A, maximum power consumption: 14.2W
Cable Length	40cm
Web Language	Simplified Chinese, Traditional Chinese, English, Korean, Russian, German, Italian, Turkish, Ukrainian, Arabic
Restore Factory Settings	Supports restoring factory settings, importing configuration, and exporting configuration through client or browser
Online Device Reboot	Supports
Online Upgrade	Supports
Operating Temperature and Humidity	-40°C~75°C, humidity less than 95% (no condensation)

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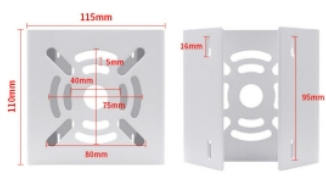
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Power Supply Method	DC: 12 V $\pm$ 15%
Power Interface Type	DC 5521
Certification	
Protection	IP67
Radiation Level	Class A

Accessories

Recommended Purchase

DS-1232ZJ-XS Medium universal joint	DS-1292ZJ Wall Mount Bracket	Small Flat Pole Mount Bracket
		

Accessory Options:

If installing on a cross arm, you need to purchase a small flat plate (cross bracket) to use with universal joint for installation

If installing on a pole, you need to purchase a small clamp plate (cross bracket) to use with DS-1292ZJ wall mount bracket for installation

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