SV-BA314-E IP camera
Data sheet

- **Built-in microSD slot**
- **Built-in microphone**
- **Metal casing**
- **Support for PoE**
- **IR illumination up to 40 m**
- **Configuration via web interface**
- **ONVIF**

SV-BA314-E wired IP camera with a dome design provides a horizontal viewing angle of 100° and is equipped with a 4 MP CMOS matrix for clear video with a resolution of up to 2560 × 1440. The device has a night shooting mode (IR illumination), motion detection system and the function of saving the video archive to a memory card or network storage[1]. The camera is equipped with an RJ-45 connector with support for basic network protocols.

Technical features

Interfaces	
Ethernet	1 × 10/100BASE-T (RJ-45), support for PoE
Memory card	1 × MicroSD/SDHC/SDXC up to 256 GB
Operating system	
Linux SDK	
Sensor	
Type	1/3" progressive scan CMOS
Effective pixels	4M
Lens and illumination	
Focal distance	2.8 mm
Aperture	F/2.0
Field of view (horizontal)	100°
Field of view (diagonal)	116°
Angle adjustment (tilt)	from 0° to 105°
Angle adjustment (rotate)	from 0° to 360°
IR illumination	yes
IR range	up to 40 m
Image	
Maximum resolution	2560 × 1440
Maximum frame rate	25 fps
Bit rate	up to 10 Mbps
Video compression	H.264, H.265
Image quality improvement	DNR 2D/3D, DWDR, BLC, AE, AWB, HLC, ANTI-FLICKER, DEFOG, ROI[1]
Signal-to-noise ratio	no less than 50 dB
Luminous sensitivity	color: 0.01 lx, bw: 0 lx with IR

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[1] Under development.

Technical features (continued)

Audio	
Built-in microphone	yes
Audio compression	PCM, AAC, MP2, ADPCM[1], G.711U (PCMU)[1], G.711A (PCMA)[1], G.726[1]
Voice pickup distance	up to 5 m

Physical specifications	
Power supply	12 V DC, PoE 802.3af (Mode A)[2]
RAM	128 MB
ROM	32 MB
Casing	metal, plastic
Form factor	dome camera
Mount options	indoor and outdoor
Dimensions (Height × Diameter)	90 × 110 mm
Weight	0.39 kg
Operating temperature	from -40 to +60 °C
Operating humidity	no more than 90 % (non-condensing)
Ingress protection	IP67

Analytics and protocols[1]
– Face recognition
– Motion detection
– Human silhouette recognition
– Line crossing
– Perimeter intersection
– ONVIF (Profile S,T)

Features and capabilities
– Night vision
– Storage: memory card, network storage[1]
– Management via web interface
– Non-volatile time (up to 24 hours)

Ordering information

Name	Description
SV-BA314-E	SV-BA314-E wired IP camera. Mounting kit.

[1] Under development.
[2] Does not support PoE Mode B (power supply over Pairs 4/5 and 7/8).