

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



The **SV-BA301-E rev.B** wired IP camera with a cylindrical design provides a horizontal viewing angle of 112° 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 storage¹. 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 512 GB
Network	
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, SSL/TLS, QoS, DHCP, DNS, RTP, RTSP, RTMP, NTP, SMB, NFS, TFTP
API	ONVIF (Profile S, Profile T), WWS API
Security	password protection, strong password policy, HTTPS encryption, WS-Username token, WS-Username basic for ONVIF, TLS1.3
User/host	up to 10 users, 2 user levels: administrator and operator
Operating system	
Linux SDK	
Sensor	
Type	1/2.7" progressive scan CMOS
Effective pixels	4M
Lens and illumination	
Focal distance	2.8 mm
Aperture	F/2.0
Field of view (horizontal)	112°
Field of view (diagonal)	134°
Field of view (vertical)	60°
Angle adjustment (tilt)	from 0° to 90°
Angle adjustment (rotate)	from 0° to 360°
IR illumination	yes
IR range	up to 40 m

¹ Under development.

Technical features (continued)

Image	
Image	color
Maximum resolution	2560 × 1440
Maximum frame rate	main stream: 5–30 fps (2560 × 1440, 1920 × 1080, 1280 × 720); sub stream: 5–25 fps (1920 × 1080, 1280 × 720, 960 × 540, 640 × 360)
Bit rate	512 Kbps to 10 Mbps
Video compression	H.264, H.265
Image quality improvement	DNR 2D/3D, DWDR, BLC, AE, AWB, HLC, ANTI-FLICKER, DEFOG
Signal-to-noise ratio	no less than 50 dB
Luminous sensitivity	color: 0.01 lx, bw: 0 lx with IR
Audio	
Built-in microphone	yes
Built-in speaker	yes
Audio compression	PCM, G.711A (PCMA), G.711U (PCMU), AAC, MP2, MP3
Voice pickup distance	syllabic legibility up to 5 m
Physical specifications	
Power supply	12 V DC, PoE 802.3af (Mode A, Mode B)
RAM	128 MB
ROM	32 MB
Casing	metal
Form factor	cylindrical camera
Mount options	indoor and outdoor
Dimensions (W × H × D)	70 × 67 × 186 mm
Weight	0.38 kg
Operating temperature	from -40 to +60 °C
Operating humidity	no more than 90 % (non-condensing)
Ingress protection	IP66
Lightning protection ¹	TVS 6000 V (surge and transient overvoltage protection)

Analytics and protocols

- Motion detection
- Human face recognition
- Human silhouette recognition
- Line crossing²
- Perimeter intersection²
- ONVIF (Profile S, T)

Features and capabilities

- Night vision
- Storage: memory card, network storage²
- Management via web interface
- Non-volatile time (up to 24 hours)

¹ Protection is effective only when the device is properly connected to protective earth (PE). Failure to follow the installation instructions and absence of grounding significantly reduce the protection efficiency and may result in device failure caused by lightning discharge.

² Under development.

Ordering information

Name	Description
SV-BA301-E rev.B	SV-BA301-E rev.B wired IP camera. Mounting kit.

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About Eltex

Eltex Enterprise is a leading Russian developer and manufacturer of communication equipment with 30 years of history. Complete solutions and their seamless integrability into the Customer's infrastructure are the priority growth areas of the company.