

AXIS W102 Body Worn Camera

Robust and reliable for operational agility

AXIS W102 Body Worn Camera empowers and protects officers and security guards. An updated hardware platform and image sensor minimize motion blur and maximize light sensitivity. Carefully placed digital microphones clarify sound and decrease wind noise. Up to 120 seconds of buffering and Bluetooth[®] beacons that can trigger nearby cameras help capture incidents in their entirety from every angle. Support for AXIS Body Worn Live allows live streaming via Wi-Fi[®] or mobile hotspot. Furthermore, our hardware-based cybersecurity platform and multiple layers of encryption safeguard the device and protect sensitive information from unauthorized access.

- > **Always sharp images**
- > **Excellent sound quality**
- > **Long battery life**
- > **Supports live streaming**
- > **Multiple layers of encryption**



AXIS W102 Body Worn Camera

Camera		General	
Image sensor	1/2.9" progressive scan RGB CMOS Sensitivity: 0.1 lux	Casing	IP67-rated Plastic casing Drop tested up to 2 m Color: black NCS S 9000-N, white NCS S 1002-B
Lens	Focal length, 2.3 mm Horizontal field of view: 137° Vertical field of view: 76° Fixed iris, F2.1	Mounting	Klick Fast™ System
Shutter speed	1/20000 s to 1/25 s with 50 Hz 1/20000 s to 1/30 s with 60 Hz	Battery	Li-ion, 3600 mAh Up to 15 hours operating time in 720p ^b Up to 14 hours operating time in 1080p ^b Up to 29 hours in standby mode ^c
System on chip (SoC)		Connectors	Pogo pin pads USB (for Axis accessories and charging using a cable with a USB Type-C® connector)
Model	S6L	Storage	64 GB non-volatile memory, up to 30 hours of recorded video AES256 encryption standard
Memory	1024 MB RAM, 512 MB Flash	Throughput	Camera to system controller: 100 Mbit/s
Video		Recording	Configurable audio and video prebuffer 0, 15, 30, 60, 90, and 120 seconds Configurable audio and video postbuffer 0, 10, 30, and 60 seconds
Video compression	H.264 (MPEG-4 Part 10/AVC) High Profile	Positioning system	GPS, GLONASS, Galileo, BeiDou
Resolution	1920x1080, 1280x720	Location	Track, start and end
Frame rate	25 fps at 50 Hz 30 fps at 60 Hz	Sensor	3-axis gyroscope and accelerometer, compass
Video streaming	Axis Zipstream for body worn	User interface	Color IPS TFT display, 0.96 inch, 160x80 pixels Status indicators Audio and vibration feedback
WDR	WDR	Wireless interface	Bluetooth® 5.1 Low Energy and Classic Wi-Fi® 5 a/b/g/n/ac @ 2.4 GHz, 5 GHz
Image settings	Electronic image stabilization (720p), barrel distortion correction	Operating conditions	Temperature: -20 °C to 55 °C (-4 °F to 131 °F) Humidity: 10–100% RH (condensing)
Audio		Charging conditions	Temperature: 0 °C to 35 °C (32 °F to 95 °F) Charging time: <6 hours in 0–10 °C (32–50 °F) <4 hours in 10–30 °C (50–86 °F) <5 hours in 30–35 °C (86–95 °F) Humidity: 5–95% RH (non-condensing)
Audio features	Voice enhancer, noise cancellation	Storage conditions	Temperature (< 3 months): -20 °C to 45 °C (-4 °F to 113 °F) Temperature (> 3 months): 23 °C to 27 °C (73 °F to 81 °F) Optimal temperature: 25 °C (77 °F) Humidity: 5–95% RH (non-condensing)
Audio input	Built-in dual microphones (can be disabled)	Dimensions	For the overall product dimensions, see the dimension drawing in this datasheet.
Audio encoding	AAC-LC One channel: 48 kHz, 128 kbps Two channels (optimized for post-processing mode): 48 kHz, 2x128 kbps	Weight	178 g (0.39 lb)
Approvals		Optional accessories	Klick Fast™ System for Body worn camera mounts AXIS TW1200 Body Worn Mini Bullet Sensor AXIS TW1201 Body Worn Mini Cube Sensor AXIS TW1906 Battery Replacement AXIS Body Worn Assistant app for Android, iOS For more accessories, see axis.com/bodyworn
Product markings	UL/cUL, CE, KC, VCCI, RCM, BSMI, MIC, WEEE, FCC, ICES, CONATEL, ANATEL, ICASA, NCC, ENACOM, BIS, IFT, NOM, SRRC	Warranty	The product, including the battery, is subject to a 3-year warranty period, in accordance with the terms and conditions stated in Axis 5 Year Limited Hardware Warranty available on axis.com/warranty ("3-year Warranty Period"). In addition to the terms and conditions in the Axis 5 Year Limited Hardware Warranty, the warranty doesn't cover battery degradation if the battery has undergone more than 500 charge cycles, if the camera has been used or stored in temperatures outside the specifications in the datasheet, or if the instructions in the product's user manual haven't been followed. Replacement of the battery during the 3-year Warranty Period carried out by any other party than Axis (or an RMA partner on behalf of Axis) will void the main item's warranty. Contact Axis Support or your reseller for battery- or service-related matters.
Supply chain	TAA compliant		
EMC	CISPR 35, CISPR 32 Class B, EN 55035, EN 55032 Class B, EN 61000-6-1, EN 61000-6-2 Australia/New Zealand: RCM AS/NZS CISPR 32 Class B Canada: ICES-3(B)/NMB-3(B) Japan: VCCI Class B Korea: KS C 9835, KS C 9832 Class B USA: FCC Part 15 Subpart B Class B		
Safety	CAN/CSA C22.2 No. 62368-1 ed. 3, IEC/EN/UL 62368-1 ed. 3, EN 62311, IS 13252		
Environment	IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14, IEC 60068-2-78, IEC/EN 60529 IP67, MIL-STD-810H (Method 501.7, 503.7, 505.7, 509.7, 512.6, 516.8)		
Wireless	EN 300328, EN 300440, EN 301893, EN 303413, EN 301489-1, EN 301489-17, FCC Part 15 Subpart C, RSS-247		
Cybersecurity	ETSI EN 303 645		
Cybersecurity			
Edge security	Software: Signed OS, brute force delay protection, digest authentication, password protection Hardware: Axis Edge Vault cybersecurity platform Secure element (CC EAL 6+), system-on-chip security (TEE), Axis device ID, secure keystore, signed video, secure boot, encrypted filesystem (AES-XTS-Plain64 256bit)		
Network security	IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2) ^a , IEEE 802.1AR, HTTPS/HSTS ^a , TLS v1.2/v1.3 ^a		
Documentation	Axis body worn cameras – system security white paper, available at axis.com/learning/white-papers Axis Vulnerability Management Policy Axis Security Development Model AXIS OS Software Bill of Material (SBOM) To download documents, go to axis.com/support/cybersecurity/resources To read more about Axis cybersecurity support, go to axis.com/cybersecurity		

Part numbers Available at axis.com/products/axis-w102-body-worn-camera#part-numbers

To read more about sustainability at Axis, go to axis.com/about-axis/sustainability

Sustainability

Substance control PVC free, BFR/CFR free in accordance with JEDEC/ECA Standard JS709
RoHS in accordance with EU RoHS Directive 2011/65/EU/ and EN 63000:2018
REACH in accordance with (EC) No 1907/2006. For SCIP UUID, see echa.europa.eu

Materials Renewable carbon-based plastic content: 70% (bio-based)
Screened for conflict minerals in accordance with OECD guidelines

Environmental responsibility axis.com/environmental-responsibility
Axis Communications is a signatory of the UN Global Compact, read more at unglobalcompact.org

- a. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).*
- b. *With prebuffer, and fewer than 500 charge cycles.*
- c. *Without pre-buffer, and including 1 hour of recording per charge in 720p, and fewer than 500 charge cycles.*

Dimension drawing

