

# AXIS W110 Body Worn Camera

Made for a safer workplace

AXIS W110 Body Worn Camera is a lighter, friendlier wearable camera for protecting staff and reducing bad behavior. It brings the benefits of wearable cameras to the workplace in sectors like retail, healthcare, transportation, and more. AXIS W110 Body Worn Camera deters, protects, and documents. Wearers and the public feel they're not alone, which contributes to a sense of well-being and a more peaceful workplace. AXIS W110 Body Worn Camera offers excellent image and audio quality with exceedingly sharp images and clear audio for forensic usability. The system features signed firmware and video, secure key storage, and true end-to-end encryption to ensure video integrity.

- > **Lightweight and compact**
- > **Excellent image quality with electronic image stabilization**
- > **Flexible mounting options**
- > **Voice feedback**
- > **Open standards for easy integration**



# AXIS W110 Body Worn Camera

## Camera

### Image sensor

1/2.8" progressive scan RGB CMOS  
Sensitivity: 0.1 lux

### Lens

Focal length, 1.9 mm  
Horizontal field of view: 140° (1080p), 112° (720p)  
Vertical field of view: 91° (1080p), 62° (720p)  
Fixed iris, F2.2

### Shutter speed

1/22000 s to 1/25 s with 50 Hz  
1/22000 s to 1/30 s with 60 Hz

## Video

### Video compression

H.264 (MPEG-4 Part 10/AVC) High Profile

### Resolution

1920x1080, 1280x720

### Frame rate

25 fps at 50 Hz  
30 fps at 60 Hz

### WDR

WDR

### Image settings

Electronic image stabilization (720p), barrel distortion correction

### Video streaming

Axis Zipstream for body worn

## Audio

### Audio encoding

AAC-LC

### Audio input/output

Built-in microphone, built-in speaker

## Functionality

Voice enhancement

## Approvals

### Supply chain

TAA compliant

### EMC

EN 55032 Class B, EN 55035, 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, RCM AS/NZS 62368.1:2018, IS 13252

### Environment

IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78, IEC/EN 60529 IP67

### Wireless

EN 300328, EN 300440, EN 301893, EN 301489-1, EN 301489-17, FCC Part 15 Subpart C, RSS-247

### Cybersecurity

ETSI EN 303 645, BSI IT Security Label

## Cybersecurity

### Edge security

**Software:** Signed OS, AES-XTS-Plain64 256bit encryption

**Hardware:** Secure boot, Axis Edge Vault with Axis device ID, signed video, secure keystore (CC EAL6+ certified hardware protection of cryptographic operations and keys). CJIS compliant encrypted internal storage (AES256)

### Network security

IEEE 802.1AR, HTTPS/HSTS<sup>1</sup>, TLS v1.2/v1.3<sup>1</sup>  
WPA/WPA2-PSK

1. 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).

## Documentation

Axis body worn cameras – system security white paper, available at [axis.com/learning/white-papers](https://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](https://axis.com/support/cybersecurity/resources)  
To read more about Axis cybersecurity support, go to [axis.com/cybersecurity](https://axis.com/cybersecurity)

## General

### Battery

Li-ion, 1600 mAh  
Up to 7 hours operating time in 720p<sup>2</sup>  
Up to 5.5 hours operating time in 1080p<sup>2</sup>  
Up to 11.5 hours in standby mode<sup>3</sup>

### Storage

128 GB non-volatile memory, up to 45 hours of recorded video  
AES256 encryption standard

### Throughput

Camera to system controller: 100 Mbit/s

### 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

### Sensor

6-axis gyroscope, accelerometer

### User interface

Status indicators  
Audio, voice, and vibration feedback

### Wireless interface

Bluetooth® 5.1 Low Energy and Classic  
Bluetooth profile: None  
Wi-Fi® 5 a/b/g/n/ac @ 2.4 GHz, 5 GHz

### Casing

IP54-rated  
Plastic casing  
Drop tested up to 1.5 m

## Color

Black NCS S 9000-N  
Gray NCS S 2502-B

## Connectors

Pogo pin pads  
USB (for Axis accessories and charging using a cable with a USB Type-C® connector), supported USB class: Vendor specific

## Operating conditions

Temperature: -20 °C to 45 °C (-4 °F to 113 °F)  
Maximum temperature (intermittent, <1 hour): 50 °C (122 °F)  
Humidity: 10–100% RH (condensing)

## Charging conditions

Temperature: 0 °C to 35 °C (32 °F to 95 °F)  
Charging time:  
<7.5 hours in 0–15 °C (32–59 °F)  
<4 hours in 15–30 °C (59–86 °F)  
<6.5 hours in 30–35 °C (86–95 °F)  
Humidity: 5–95% RH (non-condensing)

## Storage conditions

Temperature:  
< 1 month: -20 °C to 45 °C (-4 °F to 113 °F)  
< 3 months: -20 °C to 35 °C (-4 °F to 95 °F)  
> 3 months: 0 °C to 25 °C (32 °F to 77 °F)  
Optimal temperature: 25 °C (77 °F)  
Humidity: 5–95% RH (non-condensing)

## Dimensions

For the overall product dimensions, see the dimension drawing in this datasheet.

## Weight

85 g (0.19 lb)  
117 g (0.26 lb) with AXIS TW1106 Magnet Mount

## Included accessories

AXIS TW1106 Magnet Mount

## Optional accessories

AXIS TW1107 Magnet Mount  
Klick Fast™ System for Body worn camera mounts  
AXIS Body Worn Assistant app for Android, iOS  
For more accessories, see [axis.com/bodyworn](https://axis.com/bodyworn)

2. With pre-buffer, and fewer than 500 charge cycles.

3. Without pre-buffer, and including 1 hour of recording per charge in 720p, and fewer than 500 charge cycles.

## 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](https://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.

## 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](https://echa.europa.eu)

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### Environmental responsibility

[axis.com/environmental-responsibility](https://axis.com/environmental-responsibility)

Axis Communications is a signatory of the UN Global Compact, read more at [unglobalcompact.org](https://unglobalcompact.org)

Dimension drawing

