AXIS W111 Body Worn Camera

Sleek body worn camera for safer workplaces

This lightweight wearable camera is designed to protect staff for a full workday. It brings the benefits of body worn cameras to sectors like retail, healthcare, transportation, and more by deterring bad behavior and documenting incidents. Wearers and the public feel they're not alone, which contributes to a sense of well-being and a more peaceful workplace. It offers excellent image and audio-in quality for forensic usability, and an indicator light and voice notification when it's activated support transparency and compliance. The system also features signed firmware and video, secure key storage, and true end-to-end encryption to ensure video integrity.

- > Lightweight and compact (99g, 82 x 55 x19 mm)
- > Battery that lasts all day
- > Flexible, secure mounting options
- > Open standards for easy integration
- > End-to-end encryption and strong cybersecurity

AXIS W111 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
1/22,000 s to 1/25 s with 50 Hz
1/22,000 s to 1/30 s with 60 Hz

System on chip (SoC)

Model
S6LM

Memory
1GB RAM, 512 MB Flash

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

Encoding
AAC-LC

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,
KS X 3124 Class B, KS X 3126
USA: FCC Part 15 Subpart B Class B

Safety
BSMI-mark, IEC/EN 62368-1 ed. 3,
RCM AS/NZS 62368.1: 2022

Environment
IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14,
IEC 60068-2-27, IEC 60068-2-78, IEC/EN 60529 IP54

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, EN 18031-1

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[1], TLS v1.2/v1.3[1]
WPA/WPA2-PSK

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*

General

Battery
Li-ion, 2000 mAh
Up to 10 hours operating time in 720p[2]
Up to 8.5 hours operating time in 1080p[2]
Up to 16.5 hours in standby mode[3]

Storage
64 GB non-volatile memory, up to 23 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
3-axis digital accelerometer and 3-axis digital gyroscope

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
IEC/EN 60529 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

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:
<5.5 hours in 0–5 °C (32–41 °F)
<4 hours in 5–35 °C (41–95 °F)
Humidity: 10–85% RH (non-condensing)

Storage conditions
Temperature:
≤3 months: -20 °C to 45 °C (-4 °F to 113 °F)
> 3 months: 22 °C to 28 °C (72 °F to 82 °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
99 g (0.22 lb)
131 g (0.29 lb) with AXIS TW1114 Magnet Mount

Included accessories
AXIS TW1114 Magnet Mount

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).*
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.*

Optional accessories

AXIS TW1115 Magnet Mount
Klick Fast™ System for Body worn camera mounts
AXIS TW1909 Charging Adapter
AXIS Body Worn Assistant app for Android, iOS
For more accessories, see *axis.com/bodyworn*

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.

Part numbers

Available at *axis.com/products/axis-w111-body-worn-camera#part-numbers*

Sustainability

Substance control

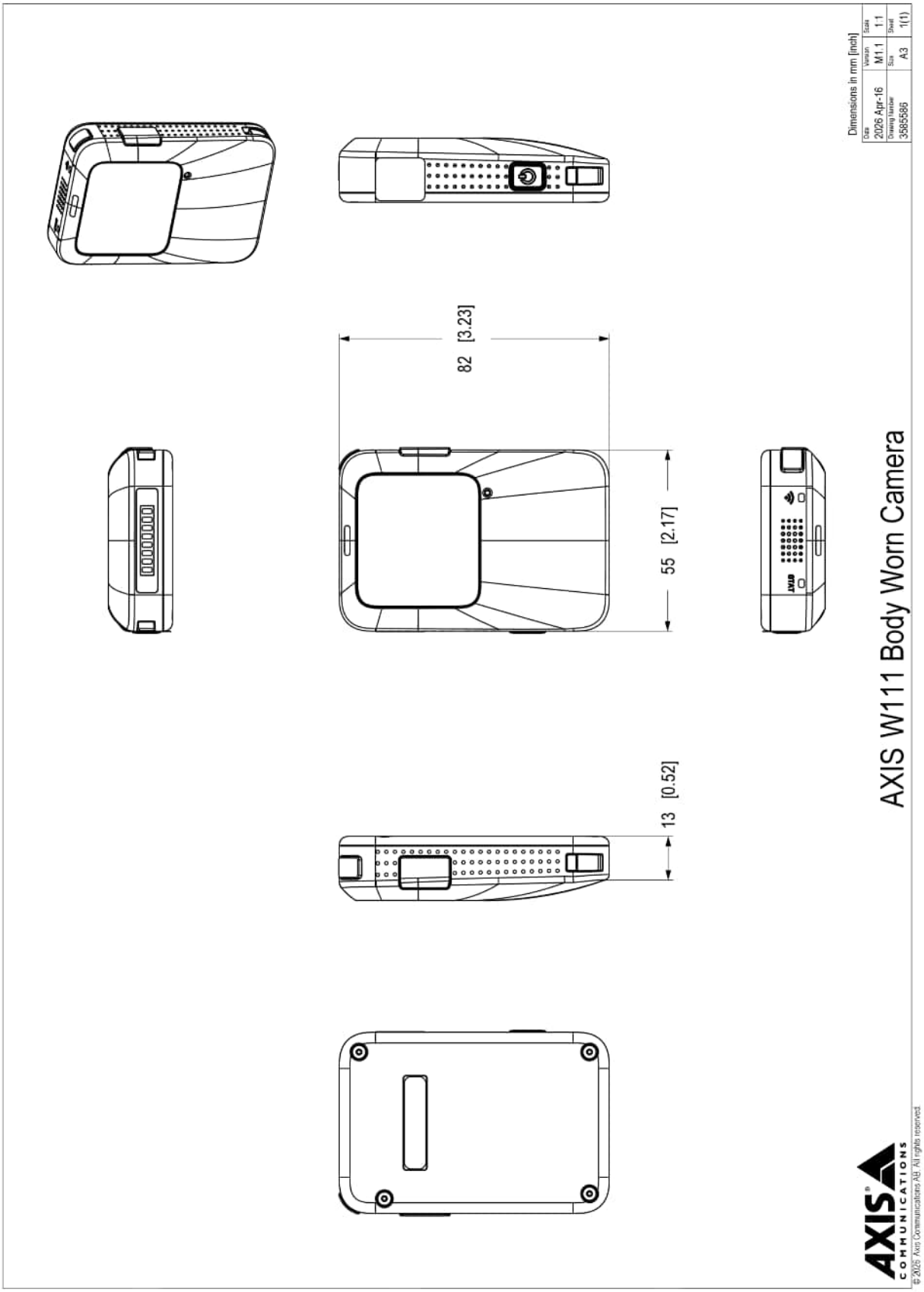
PVC free, BFR/CFR free in accordance with JEDEC/ECA Standard JS709
RoHS in accordance with EU RoHS Directive 2011/65/EU/ and EN 63000:2018
REACH in accordance with (EC) No 1907/2006. For SCIP UUID, see *echa.europa.eu*

Materials

Renewable carbon-based plastic content: 70% ((bio-based)
Screened for conflict minerals in accordance with OECD guidelines
To read more about sustainability at Axis, go to *axis.com/about-axis/sustainability*

Environmental responsibility

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



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