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
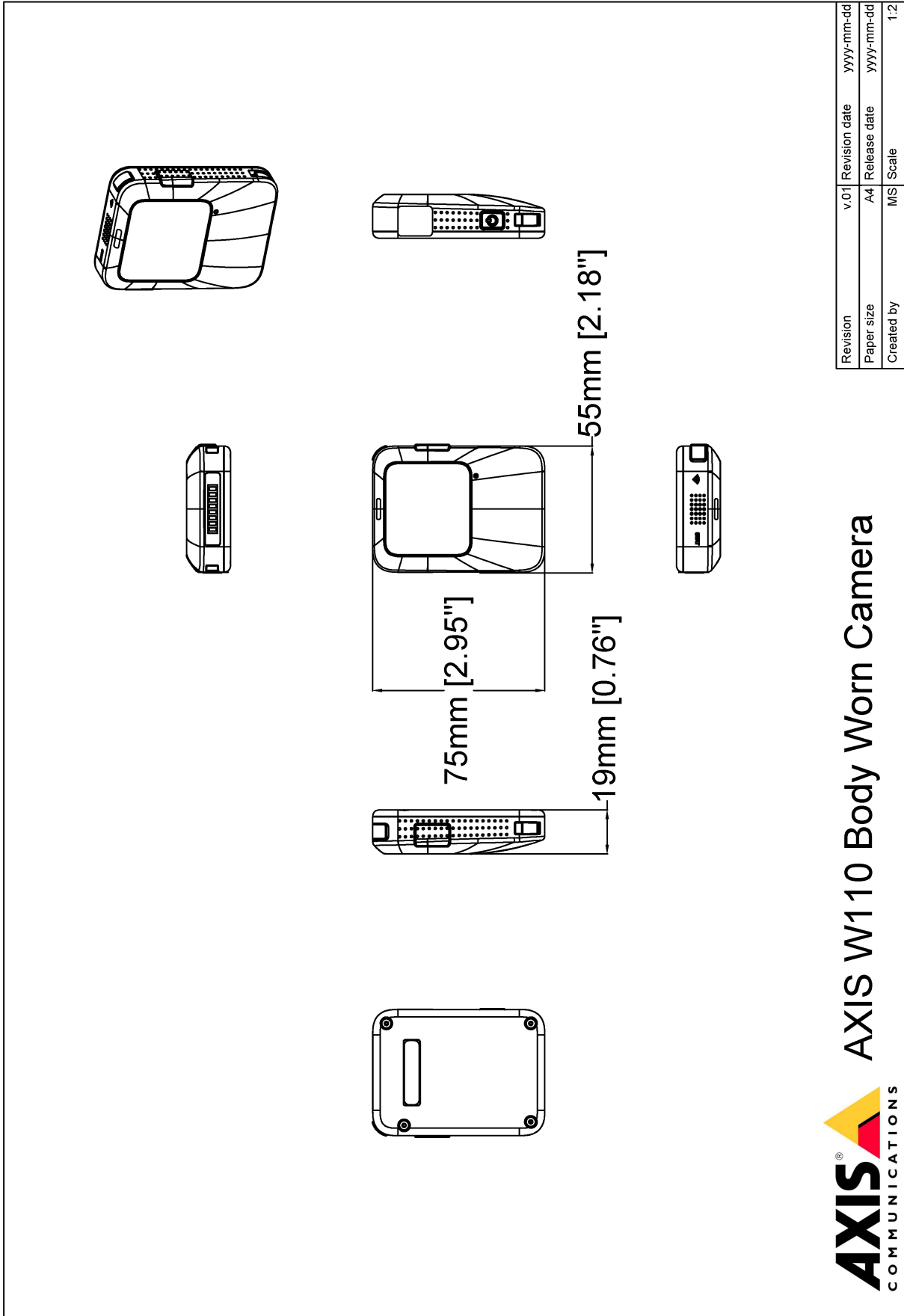
Camera

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 802.1X (EAP-TLS, PEAP-MSCHAPv2), IEEE 802.1AR, HTTPS/HSTS[a], TLS v1.2/v1.3[b]
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, 1600 mAh Up to 7 hours operating time in 720p[c] Up to 5.5 hours operating time in 1080p[d] Up to 11.5 hours in standby mode[e]
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 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
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*
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.

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*
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. *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).*
c. *With pre-buffer, and fewer than 500 charge cycles.*
d. *With pre-buffer, and fewer than 500 charge cycles.*

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

Dimension drawing

55mm [2.18"]

75mm [2.95"]

19mm [0.76"]

Revision	v.01	Revision date	yyyy-mm-dd
Paper size	A4	Release date	yyyy-mm-dd
Created by	MS	Scale	1:2

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