AXIS P8815-2 3D People Counter
Complete, sophisticated 3D people counter

Combining 3D imaging software and hardware in one device, this people counter automatically counts the number of people passing through a pre-defined counting area. The device generates a 3D depth map for reliable counting even in challenging conditions where there's shadows, strong sunlight, glares, or high volumes of foot traffic. Data from the counter helps you understand visitor trends, allowing you to make informed decisions about your operations. AXIS P8815-2 also estimates occupancy levels in real-time. It's easy to connect two counters for wide area coverage. And, with optional accessories, it can be pendant-mounted or recessed in a ceiling.

> **3D people counting**

> **Integrated software and hardware**

> **Optimized for challenging conditions**

> **Estimate occupancy levels**

> **Gain insights into visitor trends**

AXIS P8815-2 3D People Counter

Application

Functionality	Bi-directional counting. Flexible counting area (for example for revolving doors). Supports wide entrances by using multiple counters. Video stream anonymization. Excludes objects below ~110 cm (43 in) Configurable events based on occupancy and number of passages. Automatic upload to separately sold AXIS Store Data Manager and AXIS Store Reporter. Upload to third-party software through API. Counting data stored up to 90 days.
Configuration	Web configuration interface included
Compute platform	Edge

Scenarios

Typical applications	Entrances and exits in retail environments such as stores and shopping malls as well as public buildings such as museums or libraries.
Mounting height	250 cm to 600 cm (98 in to 236 in)
Counting-area coverage	Maximum size of counting area when mounted at: 250 cm (98 in): 199 x 46 cm (78 x 18 in) 300 cm (118 in): 306 x 100 cm (120 x 39 in) 400 cm (157 in): 400 x 208 cm (157 x 82 in) 500 cm (197 in): 400 x 225 cm (157 x 89 in) 600 cm (236 in): 400 x 225 cm (157 x 89 in)

Camera

Image sensor	1/2.9" progressive scan RGB CMOS
Lens	Fixed iris 2.8 mm, F2.2
Minimum illumination	5 lux
Shutter speed	1/28000 s to 2 s with 50 Hz 1/33500 s to 2 s with 60 Hz

System on chip (SoC)

Model	ARTPEC-6
Memory	1024 MB RAM, 512 MB Flash

Video

Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG
Resolution	1920x1080 HDTV 1080p to 160x90
Frame rate	30/25 fps (60/50 Hz)
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/MBR H.264

Network

Security	Password protection, IP address filtering, HTTPS[a] encryption, IEEE 802.1X[a] network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware, secure boot
Supported protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS[a], TLS[a], QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMPv1/v2/v3, RTCP, DHCPv4/v6, SOCKS, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)

System integration

Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at *axis.com* ONVIF® Profile G and ONVIF® Profile S, specification at *onvif.org*

Event conditions	Analytics, external input, edge storage events, virtual inputs through API MQTT subscribe
Event actions	Record video: network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email Pre- and post-alarm video or image buffering for recording or upload Notification: email, HTTP, HTTPS, TCP and SNMP trap Overlay text MQTT publish
Data streaming	Event data

General

Casing	Aluminum casing and plastic faceplate Colors: white NCS S 1002-B, black NCS S 9000-N For repainting instructions of casing and impact on warranty, contact your Axis partner.
Sustainability	PVC free
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical 4.4 W, max 6 W
Connectors	RJ45 10BASE-T/100BASE-TX PoE
Storage	Recording to network-attached storage (NAS)
Operating conditions	0 °C to 50 °C (32 °F to 122 °F) Start-up temperature: 0 °C (32 °F) Humidity 10–85% RH (non-condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity 5-95% RH (non-condensing)
Approvals	EMC EN 55032 Class A, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A, RCM AS/NZS CISPR 32 Class A, KC KN32 Class A, KC KN35 Safety IEC/EN/UL 62368-1, IS 13252 Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78, IEC/EN 60529 IP40 Network NIST SP500-267, IPv6 USGv6
Dimensions	168 x 78 x 30 mm (6.61 x 3.07 x 1.18 in)
Weight	450 g (1 lb)
Included accessories	Installation guide, Windows® decoder 1-user license
Optional accessories	AXIS TP8201 Recessed Mount, AXIS TP8101 Pendant Kit, AXIS T91B21 Stand, AXIS T91B53 Telescopic Ceiling Mount, AXIS T91E61 Wall Mount For more accessories, see *axis.com*
Video management software	AXIS Camera Station, video management software from Axis Application Development Partners available at *axis.com/vms*
Languages	English
Warranty	5-year warranty, see *axis.com/warranty*

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).*

Environmental responsibility:

axis.com/environmental-responsibility

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