

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.

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- > [Integrated software and hardware](#)
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- > [Estimate occupancy levels](#)
- > [Gain insights into visitor trends](#)



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| Application | | Event conditions | Analytics, external input, edge storage events, virtual inputs through API MQTT subscribe |
| Functionality | Bi-directional counting. Estimating occupancy. Detecting tailgating. Detecting wrong-way passages. Flexible counting area (for example for revolving doors). Supports wide entrances by using two 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 Reporter. Upload to third-party software through API. Counting data stored up to 90 days. | 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 |
| Configuration | Web configuration interface included | Data streaming | Event data |
| Compute platform | Edge | General | |
| Scenarios | | 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. |
| Typical applications | Entrances and exits in retail environments such as stores and shopping malls as well as public buildings such as museums or libraries. | Sustainability | PVC free |
| Mounting height | 250 cm to 600 cm (98 in to 236 in) | Power | Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical 4.4 W, max 6 W |
| 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) | Connectors | RJ45 10BASE-T/100BASE-TX PoE |
| Camera | | Storage | Recording to network-attached storage (NAS) |
| Image sensor | 1/2.9" progressive scan RGB CMOS | 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) |
| Lens | Fixed iris 2.8 mm, F2.2 | Storage conditions | -40 °C to 65 °C (-40 °F to 149 °F) Humidity 5-95% RH (non-condensing) |
| Minimum illumination | 5 lux | 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 |
| Shutter speed | 1/28000 s to 2 s with 50 Hz 1/33500 s to 2 s with 60 Hz | Dimensions | 168 x 78 x 30 mm (6.61 x 3.07 x 1.18 in) |
| System on chip (SoC) | | Weight | 450 g (1 lb) |
| Model | ARTPEC-6 | Included accessories | Installation guide, Windows® decoder 1-user license |
| Memory | 1024 MB RAM, 512 MB Flash | 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 | | Video management software | AXIS Camera Station, video management software from Axis Application Development Partners available at axis.com/vms |
| Video compression | H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG | Languages | English |
| Resolution | 1920x1080 HDTV 1080p to 160x90 | Warranty | 5-year warranty, see axis.com/warranty |
| Frame rate | 30/25 fps (60/50 Hz) | 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). | |
| 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 | Environmental responsibility: axis.com/environmental-responsibility | |
| 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 | | |
| Network 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, 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 | | |