

AXIS TQ1818-E Positioning Unit

Ultra-smooth and high accuracy absolute positioning

AXIS TQ1818-E is a highly responsive and reliable positioning unit, designed for both high-speed and ultra-slow, jerk-free pan and tilt movements. Selected Axis box cameras and thermal cameras can be mounted on the positioning unit. When column-mounted, it enables a 360° unobstructed field of view for the camera and a ground-to-sky view of 135°. Reliable and robust, AXIS TQ1818-E is easy to mount in a variety of ways, thanks to optional mounts for wall and pole installations. The positioning unit includes both RJ45 and SFP interfaces, enabling a long-distance fiber-optic connection with a failover network link.

- > **Responsive positioning with 360° endless pan and 135° tilt from ground to sky**
- > **Long-distance network connection**
- > **Power: 56 V AC or DC**
- > **Weather protection**
- > **For selected Axis box and thermal cameras**



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Approvals

Product markings	UL/cUL, CE, KC, VCCI, RCM
Supply chain	TAA compliant
EMC	CISPR 35, CISPR 32 Class A, EN 55035, EN 55032 Class A, EN 50121-4, EN 61000-6-1, EN 61000-6-2 Australia/New Zealand: RCM AS/NZS CISPR 32 Class A Canada: ICES(A)/NMB(A) Japan: VCCI Class A Korea: KS C 9835, KS C 9832 Class A USA: FCC Part 15 Subpart B Class A Railway: IEC 62236-4
Safety	CAN/CSA C22.2 No. 62368-1 ed. 3, IEC/EN/UL 62368-1 ed. 3
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 IP66, IEC/EN 62262 IK10, NEMA 250 Type 4X, NEMA TS 2 (2.2.7-2.2.9), ISO 21207 (Method B), MIL-STD-810 H (Method 501.7, 502.7, 505.7 506.6, 507.6, 509.7, 521.4)

General

Supported products	Selected Axis fixed box cameras, see the product page at axis.com .
Pan/Tilt	Pan: 360° endless, 0.05°/s to 120°/s Tilt: -90° to +45°, 0.05°/s to 60°/s Jerk-free movements at low speed: ±0.01°/s (at 0.05°/s) De-icing control ^a Dynamic load balancing ^b
Maximum load	5 kg (11 lb)
Casing	IP66-, NEMA 4X- and IK10-rated Aluminum casing Color: white NCS S 1002-B For repainting instructions, go to the product's support page. For information about the impact on warranty, go to axis.com/warranty-implication-when-repainting .
Power	52–58 VDC, typical 17 W, max 150 W
Connectors	Audio: 3.5 mm mic/line in I/O: 6-pin 2.5 mm terminal block for 4 configurable inputs/outputs Network: Shielded RJ45 10BASE-T/100BASE-TX/1000BASE-T, SFP slot (SFP module not included) ^c Power: DC input, terminal block Illumination (in upper part of positioning unit)
Operating conditions	-40 °C to 60 °C (-40 °F to 140 °F) Maximum temperature (intermittent): 65 °C (149 °F)

Start-up temperature: -40 °C (-40 °F)
Humidity 10–100% RH (condensing)

Storage conditions	Temperature: -40 °C to 65 °C (-40 °F to 149 °F) Humidity: 5–95% RH (non-condensing)
Dimensions	For the overall product dimensions, see the dimension drawing in this datasheet. Effective Projected Area (EPA): 0.0813 m ² (0.088 ft ²)
Weight	Without camera 10.5 kg (23 lb)
Box content	Positioning unit, installation guide, connector kit
Optional accessories	AXIS T94J01A Wall Mount, AXIS T94N01G Pole Mount, AXIS T95A64 Corner Bracket AXIS Cable 24 V DC/24–240 V AC 22 m, AXIS T8611 SFP Module LC.LX, AXIS T8612 SFP Module LC.SX, Power supply DIN PS56 480 W For more accessories, go to axis.com/products/axis-tq1818-e-positioning-unit#compatible-products
System tools	Accessory selector Available at axis.com
Warranty	5-year warranty, see axis.com/warranty
Part numbers	Available at axis.com/products/axis-tq1818-e-positioning-unit#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 2015/863, and standard EN IEC 63000:2018 REACH in accordance with (EC) No 1907/2006. For SCIP UUID, see echa.europa.eu
Materials	Renewable carbon-based plastic content: 12% (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

- Internal heaters to defrost ice build-up, activated by HTTP API (VAPIX).
- Pan and tilt motors actively compensate for changes in load conditions induced by external forces such as high winds. This allows minimum power consumption at low wind.
- If a network link is established via both the SFP slot and the RJ45 connector, the former acts as the primary link and the latter as the fail-over link.

