AXIS T99A12 Positioning Unit 24 V AC/DC

Ultra-smooth and high accuracy absolute positioning

AXIS T99A12 is a highly responsive and reliable positioning unit, designed for both high-speed and ultra-slow, jerk-free pan and tilt movements. Selected Axis outdoor fixed box cameras can be mounted on the positioning unit. When it is column-mounted, it enables a 360° unobstructed field of view for the camera and a ground-to-sky view of 135°. AXIS T99A12 is easy to mount in a variety of ways, thanks to optional mounts for wall and pole installations, and is specially designed to be reliable, robust and weatherproof. The 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: 24 V AC or DC
- > Weather protection
- > For selected Axis outdoor fixed box cameras

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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: -78° 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 powder coated aluminum 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*.
Sustainability	PVC free
Power	20–28 V AC/DC, typical 10 W, max 169 W TVS 2 kV surge protection **I/O connector** Output voltage: 12 V DC, max load: 50 mA
Connectors	SFP slot (SFP module not included)[c] RJ45 10BASE-T/100BASE-TX/1000BASE-T PoE[c] Power connector I/O: 6-pin 2.5 mm terminal block for 4 configurable alarm inputs/outputs
Operating conditions	-50 °C to 60 °C (-58 °F to 140 °F) Maximum temperature (intermittent): 65 °C (149 °F) Start-up temperature: -40 °C (-40 °F) Humidity 10–100% RH (condensing) **Wind load with camera when PT operational** 52 m/s (117 mph), with illuminators mounted > 60 m/s (135 mph)[d] Maximum effective projected area (EPA): 0.105 m^2
Storage conditions	-40 °C to 70 °C (-40 °F to 158 °F)
Approvals	**EMC** EN 55024, EN 55032 Class A, EN 50121-4, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), IEC 62236-4, RCM AS/NZS CISPR 32 Class A, VCCI Class A **Safety** CAN/CSA C22.2 No. 62368-1, IEC/EN/UL 62368-1 **Environment** IEC 60068-2-6, IEC 60068-2-27, IEC/EN 60529 IP66, IEC/EN 62262 IK10, ISO 4892-2, NEMA 250 Type 4X,
Dimensions	**Without camera** 229 x 184 x 443 mm (9 x 7 x 17.5 in) Maximum height with 45° tilt upwards: 668 mm (26 in) Maximum width/depth with 360° pan clearance: 620 mm (24 in)
Weight	**Without camera** 10.2 kg (22.5 lb)
Included accessories	Installation guide, connector kit, TORX® bits T20 long and T30
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[e] AXIS T8611 SFP Module LC.LX AXIS T8612 SFP Module LC.SX AXIS T8613 SFP Module 1000BASE-T Power supply DIN PS24 480 W For more accessories, see *axis.com*
Warranty	5-year warranty, see *axis.com/warranty*

a. *Internal heaters to defrost ice build-up, activated by HTTP API (VAPIX).*
b. *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.*
c. *If the network link is established via both the SFP and RJ45 connectors, the former acts as the primary link and the latter as the failover link.*
d. *The values shown are based on the results from actual wind tunnel testing. The maximum wind load when the unit is stationary is not know due to wind speed limit of 60 m/s (135 mph) at the test lab. For drag force calculations, use maximum effective projected area (EPA).*
e. *When using the 22 m (72 ft) AXIS Cable 24 V DC/24–240 V AC, a power supply capable of delivering 400 W is required to compensate for the power loss in the cable.*

Environmental responsibility:

axis.com/environmental-responsibility