AXIS Q6128-E PTZ Dome Network Camera
High-end 4K PTZ with Axis’ Sharpdome technology

The compact, outdoor-ready AXIS Q6128-E delivers top performance 4K (8 MP) video at 25/30 fps, with 12x optical zoom, and autofocus. Axis' Sharpdome technology provides full scene fidelity and perfect image quality in all directions – above as well as below the horizon. Using the latest technology, AXIS Q6128-E has good low light performance, and the quick and precise pan of more than 700°/s makes it easy to change viewing position and follow fast moving objects. Axis' Speed Dry function easily removes water drips from the dome glass, providing sharp images in rainy weather. The camera also features EIS and defogging.

> 4K resolution
> Axis Sharpdome technology
> Axis Speed Dry function
> Pan performance up to 700°/s
> Repaintable

Datasheet

AXIS Communications
AXIS Q6128-E PTZ Dome Network Camera

Models
AXIS Q6128-E 50 Hz
AXIS Q6128-E 60 Hz

Camera
Image sensor
1/2.3" Progressive scan CMOS

Lens
Horizontal field of view: 70.7°~6.2°
Vertical field of view: 43.5°~3.5°
Autofocus, auto-iris

Day and night
Automatically removable infrared-cut filter

Minimum illumination
Color: 0.45 lux at 30 IRE, F1.8
BW: 0.03 lux at 30 IRE, F1.8
Color: 0.6 lux at 50 IRE, F1.8
BW: 0.05 lux at 50 IRE, F1.8

Shutter time
1/10000 s to 1 s

Pan/Tilt/Zoom
Pan: 360° endless, 0.05°~700°/s
Tilt: ±20° to ±90°, 0.05°~500°/s
Zoom: 12x optical, 12x digital total, 144x zoom
Nadir flip, 256 preset positions, tour recording, guard tour, control queue, on-screen directional indicator, set new pan 0°, adjustable zoom speed, rapid speed

Video
Video compression
H.264 (MPEG-4 Part 10/AVC), Baseline, Main and High Profiles
Motion JPEG

Resolution
3840x2160 UltraHD 4K up to 640x360

Frame rate
Up to 50/60 fps (50/60Hz)/@1080p
Up to 25/30 fps (50/60Hz)/@4K

Video streaming
Multiple, individually configurable streams in H.264 and Motion JPEG
Controlled frame rate and bandwidth
VBR/MBR H.264

Image settings
Compression, color, brightness, sharpness, white balance, exposure control, exposure zones, rotation, fine tuning of behavior at low light, electronic image stabilization (EIS), manual shutter time, text and image overlay, image freeze on PTZ
Defogging, backlight compensation
Highlight compensation
24 individual 3D privacy masks

Network
Password protection, IP address filtering, HTTPS® encryption, IEEE 802.1X® network access control, Digest authentication, User access log, Centralized Certificate Management, Brute force delay protection

Security

Supported protocols
IPv4, IPv6, USGv6, HTTP, HTTPS®, SSL/TLS®, GoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP®, SNMP v1/v2c/v3 (MB-LL), DNS, DynDNS, NTP, RTSP, RTP, SRTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, NTCP

System integration
Application Programming Interface
Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at www.axis.com
AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF® Profiles S and G, specifications at www.onvif.org

Analytics

Event triggers
Detectors: live stream accessed, motion detection, shock detection
Hardware: network, temperature
Input Signal: manual trigger, virtual inputs
PTZ: autotracking, error, moving, preset reached, ready
Storage: disruption, recording
System: system ready
Time: recurrence, use schedule

Event actions
Record video: SD card and network share
Pre- and post-alarm video or image buffering for recording or upload
Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share, and email
Notification: email, HTTP, HTTPS, TCP, and SNMP trap
PTZ preset, guard tour, autotracking
Overlay text, day/night mode

Data streaming
Event data
Built-in installation aids
Pixel counter

General
Casing
IK08, IK10 housing and mounting®, IP66- and NEMA 4X-rated
Reinforced metal casing (aluminum), Polycarbonate (PC) clear dome with Sharpdome technology

Sustainability
PVC free

Memory
1 GB RAM, 256 MB Flash

Power
AXIS High PoE midspan 1-port: 100~240 V AC, max 74 W
Camera consumption: typical 14 W, max 51 W
AXIS PoE+ midspan 1-port: 100~240 V AC, max 37 W
IEEE 802.3at Type 2 Class 4
Camera consumption: typical 14 W, max 25 W

Connectors
RJ45 10BASE-T/100BASE-TX/1000BASE-T
RJ45 Push-pull Connector (IP66)

Storage
Support for SD/SDHC/SDXC card
Support for SD card encryption
Support for recording to network-attached storage (NAS)
For SD card and NAS recommendations see www.axis.com

Operating conditions
With 30 Midspace: -20 °C to 50 °C (-4 °F to 122 °F)
With 60 Midspace: -50 °C to 50 °C (-58 °F to 122 °F)
Arctic Temperature Control: Start-up as low as -40 °C (-40 °F)
Humidity 10~100% RH (condensing)

Storage conditions
-40 °C to 70 °C (-40 °F to 158 °F)

Approvals
EMC
EN 55022 Class A, EN 55024, EN 50121-4, IEC 62236-4, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR22 Class A
KCC KN22 Class A, KN24
Safety
IEC/EN/UL 60950-1, IEC/EN/UL 60950-22
Environment
Network
NIST SP500-267

Dimensions
With mounting hook: 274 x 165 x 165 mm (10 13/16 x 6 1/3 x 6 1/2 in)
Without mounting hook: 256 x 165 x 165 mm (10 1/2 x 6 1/3 x 6 1/2 in)

Weight
3.0 kg (6.5 lb)

Included accessories
IP66-rated RJ45 connector kit, High PoE Midspan 1-port, installation guide, Windows decoder 1-user license

Optional accessories
AXIS T91/T94 Mounting Accessories, Axis High PoE midspans for more accessories, see www.axis.com

Video management software
AXIS Companion, AXIS Camera Station, video management software from Axis® Application Development Partners available on www.axis.com/vms

Languages
English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese

Warranty
Axis 3-year warranty and AXIS Extended Warranty option, see www.axis.com/warranty

a. This product includes software developed by the OpenSSL Project for use in the OpenSSL toolkit (www.openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).
b. Mounting not included

Environmental responsibility:
axis.com/environmental-responsibility