

AXIS Q6300-E Panoramic Camera

AI-based, 360° overview, easy installation

This multidirectional camera offers 4x5 MP with four 1/2" sensors. Designed for operation with AXIS Q61/Q63/P56 PTZ Series, you can move from overview to zoomed-in details in one click. Directional audio detection redirects the PTZ camera to the audio source whenever an audio incident is detected. A deep learning processing unit lets you run advanced features and powerful analytics at the edge. Axis Edge Vault, our hardware-based cybersecurity platform, safeguards the device and protects sensitive information from unauthorized access. Furthermore, a USB port allows installers to insert a Wi-Fi dongle and quickly see the camera view as they adjust it.

- > **360° camera with 4 x 5 MP sensors**
- > **Current AXIS Q61/Q63/P56-E PTZ Camera recommended**
- > **Easy installation with support for Wi-Fi dongle**
- > **Directional audio detection**
- > **Built-in cybersecurity with Axis Edge Vault**



AXIS Q6300-E Panoramic Camera

Camera

Image sensor

4x 1/2" progressive scan RGB CMOS
Pixel size 2.9 µm

Lens

3.7 mm, F2.0
Horizontal field of view: 360°, 108.4° for each sensor
Vertical field of view: 84°
Minimum focus distance: 1.0 m (3.3 ft)
Autofocus, M14 mount, fixed iris

Day and night

Automatic IR-cut filter

Minimum illumination

Color: 0.06 lux at 50 IRE, F2.0
B/W: 0.03 lux at 50 IRE, F2.0

Shutter speed

1/66500 s to 2 s

Camera adjustment

Pan ±180°, tilt -40 to +75°, rotation ±95°

System on chip (SoC)

Model

ARTPEC-8 (x2)

Memory

8 GB RAM, 8 GB Flash

Compute capabilities

Deep learning processing unit (DLPU)

Video

Video compression

H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles
H.265 (MPEG-H Part 2/HEVC) Main Profile
Motion JPEG

Resolution

4 x 2592x1944 to 320x240
Default: 2592x1944

Frame rate

Up to 30 fps (50/60 Hz) in all resolutions

Video streaming

Up to 20 unique and configurable video streams¹
Axis Zipstream technology in H.264 and H.265
Controllable frame rate and bandwidth
VBR/ABR/MBR H.264/H.265
Low latency mode
Video streaming indicator

Signal-to-noise ratio

>55 dB

WDR

Forensic WDR: Up to 120 dB depending on scene

Noise reduction

Spatial filter (2D noise reduction)
Temporal filter (3D noise reduction)

Image settings

Saturation, contrast, brightness, sharpness, white balance, day/night threshold, local contrast, tone mapping, exposure mode, exposure zones, defog, compression, rotation: 0°, 90°, 180°, 270° including corridor format, text and image overlay, dynamic text and image overlay, overlay widget, 32 individual polygon privacy masks including mosaic privacy masks
Scene profiles: outdoor, indoor, forensic

Image processing

Axis Zipstream, Forensic WDR, Lightfinder 2.0

Audio

Audio features

Speaker pairing

Audio output

Output through speaker pairing or portcast technology

1. We recommend a maximum of 3 unique video streams per camera or channel, for optimized user experience, network bandwidth, and storage utilization. A unique video stream can be served to many video clients in the network using multicast or unicast transport method via built-in stream reuse functionality.