

AXIS P3747-PLVE Panoramic Camera

4x5 MP multidirectional with AI analytics

AXIS P3747-PLVE offers four channels with 5 MP per channel at 20 fps. It includes 360° IR illumination with individually controllable LEDs and a removable IR cut filter. All four sensors are fully motorized and PTRZ functionality ensures ease of installation and configuration. Plus, presets make it easy to configure multiple devices. This discreet camera can be mounted on ceilings for complete 360° coverage. Or corner mounted for 270° coverage. It supports advanced analytics on the edge. Furthermore, Axis Edge Vault, a hardware-based cybersecurity platform, safeguards the device and offers FIPS 140-2 Level 2 certified secure key storage and operations.

- > **4x5 MP at 20 fps per channel**
- > **Remote pan, tilt, roll, zoom (PTRZ)**
- > **Support for powerful analytics**
- > **360° IR illumination with individually controlled LEDs**
- > **Built-in cybersecurity with Axis Edge Vault**



AXIS P3747-PLVE Panoramic Camera

Camera

Image sensor

4x 1/2.78" progressive scan RGB CMOS
Pixel size 2.0 µm

Lens

Varifocal, 3.18–7.42 mm, F1.6–2.7
Horizontal field of view: 360° (90°–40° per sensor)
Vertical field of view: 71.5°–30°
Minimum focus distance: 1.5 m (4.9 ft)
Fixed iris, IR corrected, remote zoom and focus

Day and night

Automatic IR-cut filter

Minimum illumination

Color: 0.15 lux at 50 IRE, F1.6
B/W: 0 lux at 50 IRE, F1.6 (with IR on)

Shutter speed

5 MP
WDR on: 1/19500 s to 1 s
WDR off: 1/16000 s to 1 s
Quad HD
WDR on: 1/18000 s to 1 s
WDR off: 1/15000 s to 1 s

Camera adjustment

Pan ±180°, tilt -23° to -150°, roll +5° to -95°

System on chip (SoC)

Model

ARTPEC-8

Memory

4096 MB RAM, 8192 MB 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

4:3 4x 2592x1944 (4x 5 MP) to 4x 640x480
16:9 4x 2560x1440 (4x Quad HD) to 4x 640x360

Frame rate

5 MP: Up to 20/20 fps (50/60 Hz) in all resolutions
Quad HD: Up to 25/30 fps (50/60 Hz) in all resolutions

Video streaming

Multiple, individually configurable streams in H.264, H.265 and Motion JPG
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, barrel distortion correction, compression, rotation: 0°, 90°, 180°, 270° including corridor format, mirroring, text and image overlay, dynamic text and image overlay, privacy masks, polygon privacy mask

Image processing

Axis Zipstream, Forensic WDR, Lightfinder, OptimizedIR

Audio

Input and output through portcast technology accessories or edge-to-edge pairing. For more information, see *Optional accessories* and *Edge-to-edge*.

Audio streaming

Two-way (half duplex, full duplex) via network speaker pairing technology