



Technical Data Sheets

Video Management System (VMS)

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I. Video management System (VMS)

VMS is our software solution in partnership with Axis and Hikvision, two world's leading manufacturer of video surveillance products and solution. The company specializes in video surveillance technology, as well as designing and manufacturing a full-line of innovative CCTV and video surveillance products. The VMS provides a centralized monitoring and management of the security system allowing you to configure surveillance camera recording schedules, user rights, event and alarm rules.

Why VMS?

- Customized solution based on client's unique set of requirements, preferences and budget
- A smart solution to ensure around the clock security to protect your establishment and improve its operations
- Applicable to video surveillance, access control, parking system, alarm system, business intelligence, intercom system, attendance system, visitor system, elevator control, exit and entry control.

II. VMS Features

Live view

- switch to the sub-stream or to the main stream
- Supports setting the window division as 1/4/6/7/9/16/24/25 and full screen mode
- Control the direction of the speed dome via the direction buttons and adjust the zoom, focus, iris and PTZ speed.
- Support Auxiliary Screen
- Support Fisheye and PanoVu Camera

Video Wall

- Setting the window division as 1/4/9/16 mode, jointing windows, opening window and roaming.
- The displayed plan information contains plan name, start time, end time, switch interval, auto switch window and auto-switch cameras.
- Displays the alarm linkage on the video wall when the alarm is triggered. Set the displaying duration and the range is 10s to 60s. Application
- Add, delete, and edit the week schedule, holiday schedule, and schedule template for card.
- Set, copy and clear the status (e.g., remain open and remain closed) durations of the access control points singly or in batch.
- Supports applying all the permission settings /the changed permissions/automatically applying the permissions.

Multiple System Linkage

- According to the linkage policy configured on iVMS platform, any alarm/event on one subsystem can trigger the several linkage actions on other different subsystem.

Multiple System Linkage

- Third-Party Software Integration
- Third-Party Hardware Integration

Playback

- Slow forward/Fast Forward
- Window Division and Full Screen
- Supports adding tags for the recordings to mark the important video point. Click the tag to play back the tag recording.

Event Management

- Supports searching video events by setting searching conditions
- Supports searching behavior analysis events by setting searching conditions
- Supports searching alarm input events by setting searching conditions Access Control
- Displays the real-time status (open or close) of the door (access control point)
- Select the door to control its status, including open door, close door, remain open, remain closed.
- Search the access control events by filtering the event type, card holder and card No.

System Security

- Unified login verification by password MD5 encryption and CipherSpecs
- Complete User hierarchy and authorization management
- Video Streaming AES encryption and Digital Signature Verification to avoid the illegal modification
- HTTPS encryption for BS/CS access
- Sensitive information AES encryption during the system signaling interaction: (1) Key exchange / Certification / Password (2) Username / Server IP & Port & Domain (3) User information/White or Black list

III. Functions

Behavior Analysis

- is an intrusion detection and an object removal. For an instance, there is an important artifact in the museum that needs to be secured, and if someone remove that artifact on its place, an alert will be sent or even sound an alarm.

Line Crossing Detection

- works by adding a line on a specific camera that should not be crossed by a person and if the line that you set has been crossed, you can send an alert or sound an alarm. For example, you are on a vacation and will be away from your home or business, you can be alerted when someone or something breaches your “set” area or areas. This is applicable for property monitoring and to areas that should not be entered.

People Counter

- Entrance and Exit object number is accounted and showed on screen in real time.

Scene Change Detection

- If someone changes the camera’s viewing direction so that the camera captures a different scene, the camera will automatically detect the event and can trigger alarms.

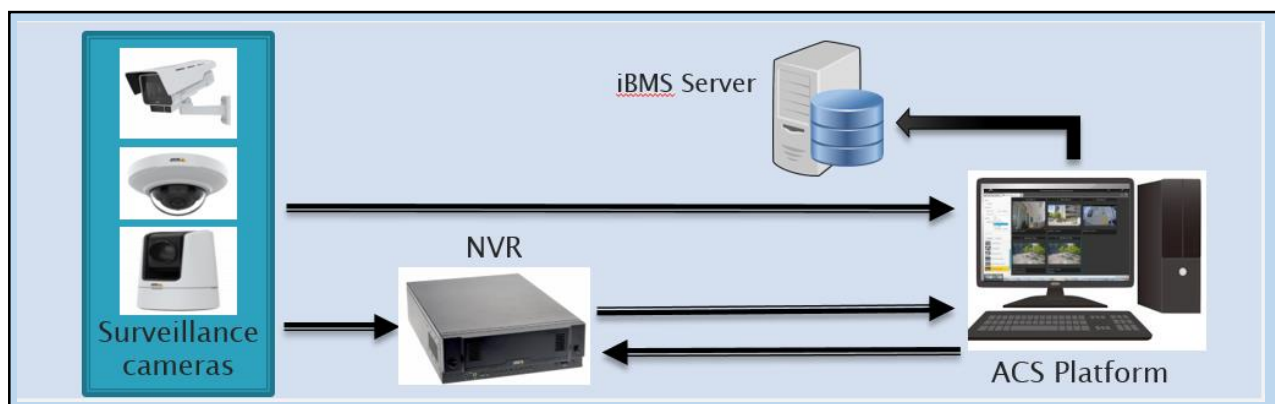
Nighttime Surveillance

- captures high quality images in dim light environment that generic analog and IP cameras are not capable of

Face Recognition

- We can now have the power to control access to entry points of an area through an identity library based on face recognition. It is a technology capable of identifying or verifying a person from a digital image or a video frame.
- For example, you want to blacklist or whitelist person, the entry gates can be triggered to allow or deny access whether you want or not a specific person to have an access to your entry points. This works by saving a person’s face in your blacklist or whitelist library. Through this, you can prevent stranger intrusions in your premises and notify security to take action to reduce risks. The system can also set to trigger an alarm for faces not recorded in your saved library of faces. On the other hand, you may also use the Face Recognition to recognize customers so they can experience VIP service from the moment they arrive.

IV. VMS Diagram



I. Axis Technologies

A. Fixed Box Network Cameras

AXIS M1065-LW Network Camera

Full-featured wireless HDTV 1080p camera with edge storage

AXIS M1065-LW features wireless communication and supports microSD card for edge storage. It has a built-in microphone for recording audio, a mini-speaker that can announce pre-recorded messages and a PIR motion sensor for detecting movement even in the dark. The WDR enabled camera offers 1080p resolution at full frame rate, day and night functionality with a mechanical IR cut filter, and IR illumination. It is easy to install with included wall and corner bracket, and has a 110° horizontal field of view.



Specifications

Camera	
Image Sensor	1/3" Progressive Scan CMOS
Lens	Fixed focal length, 2.8 mm, F2.0 Horizontal field of view: 110° Vertical field of view: 61° M12 mount, fixed iris, IR corrected
Day and night	Automatically removable IR cut filter
Minimum illumination	Color: 0.25 lux at 50 IRE F2.0 B/W: 0.05 lux at 50 IRE F2.0, 0 lux with IR illumination on
Shutter time	1/28000 s to 1/5 s with 50 Hz 1/32500 s to 1/5 s with 60 Hz
Pan/Tilt/Zoom	Digital PTZ
Video	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles, Motion JPEG
Resolution	1920x1080 HDTV 1080p to 320x240



Frame rate	Up to 25/30 fps (50/60 Hz) in all resolutions
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/MBR H.264
Image settings	Compression, color, brightness, sharpness, contrast, white balance, exposure control, day/night shift level, rotation: 0°, 180°, text and image overlay, privacy masks, mirroring of images, WDR, rotation: 0°, 90°, 180°, 270°, including Corridor Format
Network	
Wireless interface	Internal antenna IEEE 802.11a/b/g/n @ 2.4 GHz, @ 5.2 GHz (channels 36, 40, 44, 48)
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPSa, SSL/TLSa, QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP/TM, SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, LLDP
System integration	
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com AXIS Guardian with One-Click Connection
Analytics	Included AXIS Video Motion Detection, active tampering alarm Supported Audio detection AXIS Cross Line Detection, AXIS Digital Autotracking Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
General	
Cybersecurity	Signed firmware
Memory	512 MB RAM, 256 MB Flash
Power	4.75–5.25 V DC, typical 2.7 W, max 5.0 W
Dimensions	106 mm x 60 mm x 37 mm (4.17 x 2.36 x 1.46 in)
Weight	128 g (0.28 lb)

AXIS M1125-E Network Camera

Outdoor and feature-rich with HDTV 1080p

AXIS M1125-E is an outdoor-ready day and night camera delivering HDTV 1080p video in up to 25/30 frames per second. The camera is fitted with an IR-corrected, varifocal and easily exchangeable CS-mount lens with DC-iris.

AXIS M1125-E includes Axis Zipstream technology that significantly reduces bandwidth and storage requirements. The camera supports WDR - Forensic Capture, providing video optimized for forensic purposes in scenes with complex light conditions. The lightweight IP66- and IK10-rated camera supports Power over Ethernet to simplify installation, microSD card slot for edge storage, digital input and output ports for connection with external equipment.



Specifications

Camera	
Image sensor	Progressive scan RGB CMOS 1/3"
Lens	Varifocal, IR corrected, CS-mount, DC-iris, 3–10.5 mm Horizontal field of view: 91°–32° Vertical field of view: 49°–18°
Day and night	Automatically removable infrared-cut filter
Minimum illumination	Color: 0.25 lux F1.4 B/W: 0.05 lux F1.4
Shutter time 1	1/66500 to 1 s
Video	
Video compression	H.264 Baseline, Main and High profile (MPEG-4 Part 10/AVC) Motion JPEG
Resolution	1920x1080 to 160x90
Frame rate	Up to 25/30 fps in all resolutions
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth, VBR/ABR/MBR H.264
Pan/Tilt/Zoom	Digital PTZ
Network	



Security	Password protection, IP address filtering, HTTPSa encryption, IEEE 802.1X (EAP-TLS) a network access control, digest authentication, user access log, brute force delay protection, signed firmware
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPSa, SSL/TLSa, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP/TM, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH
System integration	
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com AXIS Guardian with One-Click Connection
Analytics	<u>Included</u> AXIS Video Motion Detection, active tampering alarm <u>Supported</u> Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
Event triggers	Analytics, edge storage events, external input
Event actions	File upload via FTP, HTTP HTTPS, SFTP, network share and email Notification via email, HTTP, HTTPS, TCP Video recording to edge storage, pre- and post-alarm video buffering, PTZ preset, guard tour, send video clip, send SNMP trap, day/night vision mode, WDR mode, status LED indicator, output port
Data streaming	Event data
Built-in installation aids	Pixel counter
General	
Casing	IP66- and NEMA 4X-rated, IK10 impact-resistant polymer enclosure Color: White NCS S 1002-B
Memory	512 MB RAM, 256 MB Flash
Power	8-28 V DC or Power over Ethernet (PoE) IEEE 802.3af Class 2, max 5.0 W, typical 3.6 W
Connectors	RJ45 10BASE-T/100BASE-TX PoE Terminal block for one input and one output (12 V DC output, max. load 15 mA) DC input, terminal block
Storage	Support for microSD/microSDHC/microSDXC card SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com
Dimensions	222 x 137 x 448 mm (8 3/4 x 5 3/8 x 17 5/8 in) including wall mount
Weight	1.6 kg (3.5 lb) including wall mount

AXIS M1125 Network Camera

Affordable and feature-rich with HDTV 1080p

AXIS M1125 is a day and night camera delivering HDTV 1080p video in up to 25/30 frames per second. The camera is fitted with an IR-corrected, varifocal and easily exchangeable CS-mount lens with DC-iris. AXIS M1125 includes Axis Zipstream technology that significantly reduces bandwidth and storage requirements. WDR - Forensic Capture provides video optimized for forensic purposes in scenes with complex light conditions. AXIS M1125 supports Power over Ethernet to simplify installation, microSD card slot for edge storage, digital input and output ports for external connection, as well as enhanced capacity for analytic applications such as people counting and heat mapping.



Specifications

Camera	
Image sensor	Progressive scan RGB CMOS 1/3"
Lens	Varifocal, IR corrected, CS-mount, DC-iris, 3–10.5 mm Horizontal field of view: 91°–32° Vertical field of view: 49°–18°
Day and night	Automatically removable infrared-cut filter
Minimum illumination	Color: 0.25 lux F1.4 B/W: 0.05 lux F1.4
Shutter time	1/66500 to 1 s
Video	
Video compression	H.264 Baseline, Main and High profile (MPEG-4 Part 10/AVC) Motion JPEG
Resolution	1920x1080 to 160x90
Frame rate	Up to 25/30 fps in all resolutions
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth, VBR/ABR/MBR H.264
Image settings	WDR – forensic capture: up to 120 dB depending on scene, manual shutter time, compression, color, brightness, sharpness, contrast, white balance, exposure control (including automatic gain control), exposure zones, fine tuning of behavior at low light, rotation: 0°, 90°, 180°, 270° including Corridor Format,



	aspect ratio correction, text and image overlay, privacy mask, mirroring of images
Pan/Tilt/Zoom	Digital PTZ
Network	Password protection, IP address filtering, HTTPS encryption, IEEE 802.1X (EAP-TLS) network access control, digest authentication, user access log, brute force delay protection, signed firmware
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS, SSL/TLSa, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH
System integration	
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com AXIS Guardian with One-Click Connection
Analytics	<u>Included</u> AXIS Video Motion Detection, active tampering alarm <u>Supported</u> Support for AXIS Camera Application Platform enabling installation of third-party applications
Event triggers	Analytics, edge storage events, external input
Event actions	File upload via FTP, HTTP HTTPS, SFTP, network share and email Notification via email, HTTP, HTTPS, TCP Video recording to edge storage, pre- and post-alarm video buffering, PTZ preset, guard tour, send video clip, send SNMP trap, day/night vision mode, WDR mode, status LED indicator, output port
General	
Memory	512 MB RAM, 256 MB Flash
Power	8-28 V DC or Power over Ethernet (PoE) IEEE 802.3af Class 2, max 5.0 W, typical 3.6 W
Dimensions	44 x 70 x 148 mm (1 3/4 x 2 3/4 x 5 13/16 in)
Weight	Bare bone: 160 g (0.35 lb) With optics: 200 g (0.45 lb)

B. Network Camera – Fixed Dome

AXIS M3025-VE Network Camera

Outdoor-ready, day/night fixed dome with HDTV 1080p

The affordably priced, vandal-resistant AXIS M3025-VE is a HDTV fixed mini dome offering excellent video during day and night-time, in indoor or outdoor environments. It has day and night functionality, maintaining high image quality even in low-light conditions. It supports Axis’ Corridor Format for vertically oriented video streams. With its 3-axis camera angle adjustment, it can be mounted on walls, ceilings or pendants. AXIS M3025-VE has support for AXIS Camera Application Platform enabling the installation of intelligent video applications such as people counting. The outdoor-ready camera has IP66 and NEMA 4X ratings for protection against dust, rain and snow.



Specifications

Camera	
Image sensor	1/2.7" progressive scan RGB CMOS
Lens	M12 mount, fixed iris, IR corrected 3.6 mm, F2.0 Horizontal field of view: 91°
Day and night	Automatically removable infrared-cut filter
Light sensitivity/minimum illumination	Color: 0.8-100000 lux, F2.0, B/W: 0.16 lux, F2.0
Camera angle adjustment	Pan ±175°, Tilt 70°, Rotation ±180°
Video	
Video compression	H.264 (MPEG-4 Part 10/AVC) Main Profile Motion JPEG
Resolution	1920x1080 (2 MP/HDTV 1080p) to 320x240
Frame rate	25/30 fps with power line frequency 50/60 Hz
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG



	Controllable frame rate and bandwidth VBR/CBR H.264
Pan/Tilt/Zoom	Digital PTZ
Network	
Security	Password protection, IP address filtering, HTTPS encryption, IEEE 802.1X network access control, Digest authentication, User access log, Centralized Certificate Management
Supported protocols	IPv4/v6, HTTP, HTTPS, SSL/TLS, QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP, SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH
System integration	
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com AXIS Guardian with One-Click Connection
Analytics	Video motion detection, active tampering alarm Support for AXIS Camera Application Platform enabling installation AXIS Video Motion Detection 3, AXIS Cross Line Detection, AXIS Digital Autotracking and third-party applications
Event triggers	Analytics, edge storage events, external input
Event actions	File upload: FTP, HTTP, network share and email Notification: email, HTTP and TCP External output activation Video recording to edge storage Pre- and post-alarm video buffering
General	
Memory	256 MB RAM, 128 MB Flash
Power	Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 2 max 3.2 W
Dimensions	Ø 132 x 93 mm (Ø 5 3/16 x 3 11/16 in)
Weight	740 g (1.6 lb)

AXIS M3058-PLVE Network Camera

12 MP outdoor-ready dome with 360° panoramic view and IR illumination

AXIS M3058-PLVE Network Camera delivers outstanding video in any light conditions, using Axis-developed Forensic WDR and Lightfinder technologies. With its integrated, automatically adaptable OptimizedIR illumination, this versatile camera even sees in the dark. The camera offers 360° overview as well as dewarped views. AXIS M3058-PLVE is vandal resistant (IK10) and discreetly designed. The optional black skin, which is also easily repaintable, can be used to further blend the camera into its environment. The camera has good capacity for analytics. It comes factory-focused and is designed for easy installation.



Specifications

Camera	
Image sensor	12 MP (4000x3000) 1/1.7" progressive scan RGB CMOS
Lens	Fixed iris, fixed focus, 1.3 mm, F2.2 Horizontal field of view: 181° Vertical field of view: 181°
Day and night	Automatically removable infrared-cut filter
Minimum illumination	Color: 0.19 lux at 50 IRE F2.2 B/W: 0.04 lux at 50 IRE F2.2 0 lux with IR illumination on
Camera angle adjustment	Rotation n ±180°
Video	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG
Resolution	Overview: 2992x2992 to 160x160 Panorama: 3584x1344 to 192x72 Double panorama: 3584x2688 to 256x144 Quad view: 3584x2688 to 256x144 View area 1-4, 16:9: 2048x1152 to 256x144, 4:3: 2048x1536 to 320x240



	Panorama corner left/right: 3200x1600 to 192x72 Double panorama corner: 2880x2880 to 320x240 Corridor: 2560x1920 to 256x144
Pan/Tilt/Zoom	Digital PTZ of view areas, digital PT of panorama, corner, corridor and quad views, preset positions, guard tour
Audio	
Audio input/output	Two-way audio connectivity via the optional AXIS T61 Audio and I/O Interfaces with portcast technology
Network	
Security	Password protection, IP address filtering, HTTPS encryption, IEEE 802.1X (EAP-TLS) network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS, SSL/TLS, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, SIP, LLDP, HDMI 1.4b
System integration	
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com AXIS Guardian with One-Click Connection Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX
Analytics	<u>Included</u> AXIS Video Motion Detection, active tampering alarm <u>Supported</u> AXIS Motion Guard, AXIS Fence Guard, and AXIS Loitering Guard Support for AXIS Camera Application Platform enabling installation of third-party applications
Event triggers	Analytics, supervised external input, virtual inputs through API, edge storage events, open casing
General	
Casing	IP66- and NEMA 4X-rated, IK10 impact-resistant casing in polycarbonate and aluminum, with hard-coated dome and dehumidifying membrane Encapsulated electronics and captive screws Color: White NCS S 1002-B
Memory	2 GB RAM, 512 MB Flash
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical 7.8 W, max 12.95 W
Dimensions	Height: 66 mm (2 5/8 in) ø 149 mm (5 7/8 in)
Weight	770 g (1.7 lb)

AXIS P3717-PLE Network Camera

8 MP multidirectional camera with IR for 360° coverage

AXIS P3717-PLE Network Camera is a compact 8-megapixel camera with four varifocal lenses enabling overview and detailed surveillance. With one IP address and one network cable, the four-camera-in-one unit provides a flexible, cost-effective solution for multidirectional surveillance. 360° IR illumination, Forensic WDR and Lightfinder technology provides excellent video quality in any light conditions. Each camera head can be individually positioned (pan, tilt, roll and twist) along a circular track. Remote zoom and focus makes it easy to install and the clear cover, with no sharp edges, ensures undistorted views in all directions. The camera comes with an integrated weathershield.



Specifications

Camera	
Image sensor	4 x 1/2.8" progressive scan RGB CMOS
Lens	Varifocal, 3–6 mm, F1.8–2.6 4x1080p capture mode: Horizontal field of view: 96°–49° Vertical field of view: 53°–27° Diagonal field of view: 113°–55° Motorized focus, motorized zoom
Camera angle adjustment	Pan ±90°, tilt +25 to +95°, rotation –5 to +95°, twist ±20°
Video	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG
Resolution	4 x 1920x1080 (4 x HDTV 1080p) to 160x90
Frame rate	Up to 25/30 fps (50/60 Hz)
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264



	Controllable frame rate and bandwidth VBR/ABR/MBR H.264
Audio	
Audio input/output	Two-way audio connectivity via AXIS T61 Audio and I/O Interfaces with portcast technology A 30 W midspan or higher between AXIS T61 Audio and I/O Interfaces and AXIS P3717-PLE is required.
Network	
IP address	One IP address for all channels
Security	Password protection, IP address filtering, HTTPS encryption, IEEE 802.1X (EAP-TLS) network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware, secure boot
System integration	
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com AXIS Guardian with One-Click Connection
Analytics	<u>Included</u> AXIS Video Motion Detection, active tampering alarm <u>Supported</u> AXIS Guard Suite including AXIS Motion Guard, AXIS Fence Guard, and AXIS Loitering Guard Support for AXIS Camera Application Platform enabling installation of third-party applications
Event triggers	Detectors, hardware, input signal, storage, system, time, analytics, edge storage events
General	
Memory	1024 MB RAM, 512 MB Flash
Power	Power over Ethernet (PoE) IEEE 802.3at Type 2 Class 4 IR illumination on: class 4, typical 11.1 W, max 17.0 W IR illumination off: class 3, typical 8.6 W, max 11.0 W
Dimensions	Height: 91.5 mm (3.6 in) ø 255 mm (10.04 in)
Weight	2.0 kg (4.4 lb)

C. Network Camera – PTZ

AXIS Q6000-E Mk II PTZ Network Camera

Full 360° overview with one-click PTZ control

AXIS Q6000-E Mk II offers a full 360° overview and high detail in one click together with high pan/tilt/zoom precision when integrated with any outdoor-ready camera in the AXIS Q60 Series or AXIS Q61 Series (together with AXIS T94A01C Attachment kit). Its four 2-megapixel sensors provide a panoramic field of view over large areas. The standard lens can be replaced with either a 6 mm or a 16 mm lens, reaching HDTV 1080p resolution to focusing on an area of specific interest. The four camera heads offer flexible positioning with tilt functionality for maximum adjustment, according to the desired scene.



Specifications

Camera	
Image sensor	2 MP Progressive scan RGB CMOS 4 x 1/2.8"
Lens	Fixed focus, Fixed iris, F2.0, Focal length: 1.37 mm Horizontal field of view default mode (4:3) 113° Horizontal field of view (16:9) 152° Vertical field of view (4:3 and 16:9) 85°
Camera angle adjustment	Pan: 4 x 90° Tilt: -10° to -75°
Pan/Tilt/Zoom	Remote Gatekeeper, One-click PTZ control
Video	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High profiles Motion JPEG
Resolution	Standard lenses: 4 x 1280x720 (HDTV 720p) to 320x180 Default: 960x720



	<p>Quad view: 1920x1440 (4:3) to 320x180</p> <p>Optional lenses:</p> <p>4 x 1920x1080 (HDTV 1080p) to 480x270</p> <p>Default: 960x720</p>
Video streaming	<p>Multiple, individually configurable streams in H.264 and Motion JPEG</p> <p>Axis Zipstream technology in H.264</p> <p>Controllable frame rate and bandwidth</p> <p>MBR H.264</p>
Network	
Security	<p>Password protection, IP address filtering, HTTPSb encryption,</p> <p>IEEE 802.1X network access control, Digest authentication, User access log, Centralized Certificate Management</p>
System integration	
Application Programming Interface	<p>Open API for software integration, including VAPIX® and AXIS Camera Application Platform</p>
Analytics	<p>AXIS Video motion detection, Active tampering alarm, Edge storage events, Shock detection</p> <p>Support for AXIS Camera Application Platform enabling installation of third-party applications</p>
Event triggers	<p>Detectors: Live Stream Accessed, Shock detection, Tampering</p> <p>Hardware: Fan, Network, Temperature</p> <p>Input signal: Manual Trigger, Virtual Input</p> <p>Storage: Disruption, Recording</p> <p>System: System Ready</p> <p>Time</p>
General	
Memory	<p>1 GB RAM, 256 MB Flash</p>
Power	<p>AXIS Q6000–E Mk II with Solo kit:</p> <p>Power consumption: typical 8 W, max 18 W</p> <p>Axis Midspan 30 W 1-port: 100-240 V AC, max. 30 W</p> <p>AXIS Q6000–E Mk II with AXIS Q60–E/Q61–E PTZ Network Cameras:</p> <p>Axis High PoE midspan 1–port 100–240 V AC, max 60 W recommended (included in AXIS Q60-E/Q61–E PTZ Network Cameras).</p>
Dimensions	<p>∅ 389 mm (15 5/16 in)</p> <p>Height: 186 mm (7 5/16 in), 193 mm (7 5/8 in) incl AXIS Q6000–E Solo kit, 308 mm (12 1/8 in) incl AXIS Q60–E PTZ Network Camera, 350 mm (13 3/4 in) incl AXIS Q6128–E or Q6155–E PTZ Network Camera, 331 mm (13 1/16 in) incl AXIS Q6114–E or Q6115–E PTZ Network Camera</p>
Weight	<p>3.55 kg (7.8 lb)</p> <p>7.2 kg (16 lb) including an AXIS Q60-E PTZ Network Camera</p> <p>6.6 kg (14.55 lb) including an AXIS Q61–E PTZ Network Camera</p> <p>4.2 kg (9.26 lb) including AXIS Q6000–E Solo kit</p>

AXIS V5915 PTZ Network Camera

Live streaming with high-quality audio and HDTV 1080p

AXIS V5915 offers HDTV 1080p resolution with smooth pan/tilt/zoom, high quality audio streaming in stereo, and powerful 30x zoom. It can stream and webcast audio and video in a variety of applications, such as Microsoft Lync and Skype. The open interface makes it easy to integrate with other systems. AXIS Streaming Assistant enables easy setup of peer-to-peer video conference systems and live production to a larger audience. Audio connectors meet most requirements for professional audio processing, enabling connection of high-quality microphones and speakers, and SDI connectors allow integration into other live production systems. AXIS V5915 can also be connected to a monitor through HDMI.



Camera	
Image sensor	Progressive scan RGB CMOS 1/2.8"
Lens	4.3-129 mm, F1.6-4.7 Horizontal angle of view: 63.7°-2.3° Vertical angle of view: 34.5°-1.2° Autofocus, P-iris control
Pan/Tilt/Zoom	Pan: ±170°, 0.2-100°/s Tilt: -20° - 90°, 0.2-90°/s Zoom: 30x Optical, 12x Digital, Total 360x 256 presets positions, Control queue, On-screen directional indicator, Adjustable zoom speed
Video	
Video compression	H.264 High, Baseline and Main profile (MPEG-4 Part 10/AVC), Motion JPEG
Resolution	1920x1080 HDTV 1080p to 160x90 HDMI/SDI Output: 1080p@50/60 fps (50/60 Hz) 1080i@50/60 fps (50/60 Hz) 720p@50/60 fps (50/60 Hz)
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG, Controllable frame rate and bandwidth, VBR/MBR H.264, HDMI 3G-SDI, SMPTE 292-1, SMPTE 424 Level



Audio	
Audio streaming	Two-way, Stereo
Audio compression	SDI: AES3 24 bit, 48 kHz HDMI: LPCM Network: AAC LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz, Configurable bit rate
Network	
Security	Password protection, IP address filtering, HTTPS encryption, IEEE 802.1X network access control, Digest authentication, User access log, Centralized certificate management
System integration	
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform
Event triggers	Detectors: Live Stream Accessed, Motion Detection, Audio Detection Hardware: Network Input Signal: Manual Trigger, Virtual Inputs, Digital Inputs PTZ: Error, Moving, Preset Reached, Ready Storage: Disruption, Recording System: System Ready Time: Recurrence, Use Schedule
General	
Memory	1 GB RAM, 512 MB Flash
Power	8-28 V DC (12 V power supply included) typical 12 W, max 21 W
Dimensions	180 x 136 x 136 mm (7.1 x 5.4 x 5.4 in)
Weight	1.49 kg (3.3 lb)

D. Network Camera – Fixed Bullet

AXIS P1447-LE Network Camera

Fully-featured, all-around 5 MP surveillance

AXIS P1447-LE Network Camera is a cost-effective, all-around camera providing excellent image quality at full frame rate in 5-megapixel resolution and in 16:9 format. Fully-featured with Lightfinder, OptimizedIR and Forensic WDR, forensic details are captured even in challenging light conditions including low light and strong backlight. Outdoor-ready with a wide temperature range, this sturdy and impact resistant camera has shock detection and is ready for extreme temperatures. AXIS P1447-LE offers easy installation with remote zoom and focus for fine tuning of the picture. With Axis Zipstream, I/O and audio support, AXIS P1447-LE got you covered.



Specifications

Camera	
Image sensor	1/2.9" progressive scan RGB CMOS
Lens	2.8–8.5 mm, F1.2 Horizontal field of view 104°–36° Vertical field of view 55°–20° Varifocal, Remote focus and zoom, P-Iris control, IR corrected
Day and night	Automatically removable infrared-cut filter
Minimum illumination	Color: 0.15 lux, at 50 IRE F1.2 B/W: 0.03 lux, at 50 IRE F1.2 0 lux with IR illumination on
Video	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG
Resolution	3072x1728 to 160x90
Frame rate	Up to 25/30 fps (50/60 Hz) in all resolutions
Pan/Tilt/Zoom	Digital PTZ
Audio	
Audio compression	24bit LPCM, AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz Configurable bit rate



Network	
Security	Password protection, IP address filtering, HTTPS encryption, IEEE 802.1X (EAP-TLS) network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware
System integration	
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com AXIS Guardian with One-Click Connection ONVIF® Profile G, ONVIF® Profile S and ONVIF® Profile T, specification at onvif.org
Analytics	<u>Included</u> AXIS Video Motion Detection <u>Supported</u> AXIS Digital Autotracking, AXIS Perimeter Defender, AXIS Cross Line Detection Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
Event triggers	Analytics Detectors: live stream accessed, video motion detection, audio detection, day/night mode, shock detection, tampering Hardware: network, temperature Input Signal: digital input port, manual trigger, virtual inputs Storage: disruption, recording System: system ready Time: recurrence, use schedule
General	
Memory	1024 MB RAM, 512 MB Flash
Power	Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 3 Typical: 6.7 W, max 12.95 W
Storage	Support for microSD/microSDHC/microSDXC card Support for SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com
Weight	With weather shield: 1 KG (2.2 lb)
Dimensions	Ø132 x 260 mm (Ø5 3/16 x 10 1/4 in)

AXIS M2026-LE Mk II Network Camera

Affordable, outdoor-ready camera with 4 MP and built-in IR

AXIS M2026-LE Mk II is a small, bullet-style camera delivering high-quality images in 4 MP resolution. The camera has built-in IR illumination that enables surveillance up to 15 m even at nighttime. The outdoor-ready camera is resistant to rough weather and the integrated sunshield protects against sun and rain. With a 130° field of view, a single camera gives full surveillance at low cost, and Axis Corridor Format provides efficient monitoring of corridors and shopping aisles. With Axis Zipstream technology storage and bandwidth requirements are significantly reduced and the camera supports video compression in both H.264 and H.265.

Specifications

Camera	
Image sensor	1/3" progressive scan RGB CMOS
Lens	M12 mount, Fixed iris, Fixed focus 2.4 mm, F2.2 Horizontal field of view: 130° Vertical field of view: 73°
Video	
Video compression	H.264 (MPEG-4 Part 10/AVC) Main and High Profiles H.265 (MPEG-H Part 2) Motion JPEG
Resolution	2688x1520 to 320x240
Pan/Tilt/Zoom	Digital PTZ
Network	
Security	Password protection, IP address filtering, HTTPSa encryption, IEEE 802.1x (EAP-TLS) network access control, digest authentication, user access log, Centralized Certificate Management, brute force delay protection, signed firmware
System integration	
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com AXIS Guardian with One-Click Connection ONVIF® Profile G, ONVIF® Profile S, and ONVIF® Profile T. Specifications at onvif.org
Analytics	<u>Included</u> AXIS Video Motion Detection, active tampering alarm <u>Supported</u> AXIS Digital Autotracking, AXIS Cross Line Detection, AXIS Fence Guard, AXIS Motion Guard, AXIS Loitering Guard Support for AXIS Camera Application Platform enabling installation of and third-party applications, see axis.com/acap

General	
Memory	512 MB RAM, 256 MB Flash
Dimensions	Height, straight: 174 mm (6.9 in) Height, angled: 118 mm (4.6 in) ø 101 mm (4.0 in)
Weight	0.5 kg (1.1 lb)

AXIS Q1798-LE Network Camera

4K without compromise

AXIS Q1798-LE features a powerful, ultra-high light-sensitive 4/3" image sensor that captures superior video and excellent details in resolutions up to 10 megapixels. Thanks to Axis Lightfinder 2.0, it delivers true colors in almost complete darkness. Including a Canon lens with focal length of 12-48 mm and horizontal field of view of 90°, it's ideal for wide, open areas such as airports, harbors or sports stadiums. It offers built-in analytics for proactive surveillance and includes audio in, Axis OptimizedIR, shock detection, auto-rotation as well as enhanced security functionality. Furthermore, Axis Zipstream supporting H.264/H.265 provides exceptional savings on bandwidth and storage requirements.



Specifications

Camera	
Image sensor	4/3" back-illuminated color CMOS
Lens	Canon 12–48 mm, F1.7–4.0 4K Horizontal field of view: 90°–21° Vertical field of view: 49°–12° 10MP Horizontal field of view: 86°–20° Vertical field of view: 62°–15° Autofocus (zoom triggered), auto-iris, automatic day/night
Day and night	Automatically removable infrared-cut filter in day mode and infrared-band-pass filter 800–900 nm in night mode
Minimum illumination	Color: 0.03 lux at 50 IRE F1.7 B/W: 0.006 lux at 50 IRE F1.7, 0 lux with IR illumination on
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	3712x2784 10 MP to 160x90 3840x2160 4K to 160x90 Maximum pixel density with 4x optical zoom: 10 m (32 ft): 1036 px/m 25 m (82 ft): 414 px/m 50 m (164 ft): 207 px/m
Frame rate	4K: Up to 25/30 fps (50/60 Hz) 10 MP: Up to 20 fps (50/60 Hz)
Pan/Tilt/Zoom	4x optical zoom, preset positions
Audio	
Audio compression	AAC-LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz, LPCM Configurable bit rate
Network	
Security	Password protection, IP address filtering, HTTPSa encryption, IEEE 802.1x (EAP-TLS) a network access control, digest authentication, user access log, centralized certificate management, signed firmware, secure boot Brute force delay protection
System integration	
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com AXIS Guardian with One-Click Connection ONVIF® Profile G, ONVIF® Profile S, and ONVIF® Profile T, specification at onvif.org
Event triggers	Analytics, edge storage events Supervised external input, virtual inputs through API, shock detection
General	
Memory	2048 MB RAM, 512 MB Flash
Power	Power over Ethernet (PoE) IEEE 802.3at Type 2 Class 4 Typical 13.3 W, max 24.0 W 20–28 V DC, typical 12.9 W, max 23.2 W 20–24 V AC, typical 19.4 V A, max 33.0 V A
Dimensions	Length: 360 mm (14 11/64 in) ø 147 mm (5 13/16 in)
Weight	2.55 kg (5.3 lb)

AXIS P3374-V Network Camera

Classic HDTV 720p fixed dome

AXIS P3374-V Network Camera is an indoor fixed dome that provides HDTV 720p video. Equipped with WDR – Forensic Capture to handle scenes with strong variations in light, and Lightfinder technology for exceptional light sensitivity, this camera delivers outstanding video quality in any light conditions. It supports Axis Zipstream technology which significantly reduces bandwidth and storage requirements. AXIS P3374-V is a discreet, IK10-rated vandal-resistant camera equipped with I/O ports and support for two-way audio. It comes with a varifocal lens and remote zoom and focus, which facilitates installation and fine tuning.



Specifications

Camera	
Image sensor	Progressive scan RGB CMOS 1/3"
Lens	Varifocal, 3–10 mm, F1.4 Horizontal field of view: 90°–34° Vertical field of view: 50°–20° Remote focus and zoom, P-Iris control, IR corrected
Minimum illumination	HDTV 720p 25/30 fps with WDR - forensic capture and Lightfinder: Color: 0.15 lux, F1.4 B/W: 0.03 lux, F1.4 HDTV 720p 50/60 fps: Color: 0.3 lux, F1.4 B/W: 0.06 lux, F1.4
Camera angle adjustment	Pan ±180°, tilt -20° to +80°, rotation ±90°
Video	
Video compression	H.264 Baseline, Main and High Profiles (MPEG-4 Part 10/AVC) Motion JPEG
Resolution	1280x720 to 160x90
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth



	VBR/MBR H.264
Pan/Tilt/Zoom	Digital PTZ, preset positions
Audio	
Audio streaming	Two-way
Audio input/output	External microphone input or line input, line output, built-in microphone (can be disabled)
Network	
Security	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, signed firmware
System integration	
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com AXIS Guardian with One-Click Connection ONVIF® Profile G, ONVIF® Profile S, and ONVIF® Profile T, specification at onvif.org
Analytics	<u>Included</u> AXIS Video Motion Detection, active tampering alarm, audio detection <u>Supported</u> AXIS Digital Autotracking, AXIS Perimeter Defender, AXIS Motion Guard, AXIS Fence Guard, AXIS Cross Line Detection Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
Event triggers	Analytics, supervised external input, virtual inputs through API, edge storage events
General	
Memory	512 MB RAM, 256 MB Flash
Power	Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 2 Typical: 2.8 W, Max 3.9 W
Storage	Support for microSD/microSDHC/microSDXC card Support for SD card encryption Support for recording to network-attached storage (NAS)
Weight	0.7 kg (1.5 lb)
Dimensions	Ø 148 x 99 mm (Ø 5 13/16 x 3 7/8 in)

E. Thermal Network Cameras

AXIS Q8642–E PT Thermal Network Camera

Unobstructed views and long-distance VGA detection

AXIS Q8642-E PT Thermal Network Camera offers outstanding thermal contrast and 10° field of view, which together with analytics, enables long-range detection and immediate visual confirmation for the operator. Highly responsive and reliable positioning camera, designed for continuous and jerk-free pan and tilt movements (360° endless and 135° from ground to sky). When column-mounted, it enables 360° unobstructed field of view, covering a wide area and reducing the cost for additional cameras. AXIS Q8642-E provides 640x480 thermal resolution, Zipstream and electronic image stabilization. Features both RJ45 and SFP interfaces, enabling a long-distance fiber connection with a failover network link.



Specifications

Camera	
Image sensor	Uncooled Micro bolometer 640x480, pixel size: 17 μm Spectral range: 8-14 μm
Lens	Athermalized Horizontal field of view: 10°, F1.25
Pan/Tilt	Pan: 360° endless, 0.05°–120°/s Tilt: –90 to +45°, 0.05°–60°/s. Jerk-free movements at low speed: $\sigma < 0.01^\circ/s$ (at 0.05°/s) De-icing control Preset accuracy: 0.05° 256 preset positions, guard tour, control queue, on-screen directional indicator, de-icing control, dynamic load balancing
Video	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG
Resolution	Sensor is 640x480. Image can be scaled up to 800x600 (SVGA).
Video streaming	At least three H.264 and Motion JPEG streams, simultaneous and individually configured in max. resolution in full frame rate Axis Zipstream technology in H.264 Controllable frame rate and bandwidth

	VBR/ABR/MBR H.264
Image settings	Compression, brightness, sharpness, contrast, exposure zone, text and image overlay, mirroring of images, electronic image stabilization, multiple palettes
Network	
Security	Password protection, IP address filtering, HTTPSc encryption, network fail-over link, IEEE 802.1x (EAP-TLS) network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware
System integration	
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com AXIS Guardian with One-Click Connection
Analytics	<u>Included</u> AXIS Video Motion Detection, AXIS Motion Guard, AXIS Fence Guard, shock detection <u>Supported</u> AXIS Perimeter Defender Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
Event triggers	Detectors: live stream accessed, video motion detection, shock detection Hardware: network, temperature Input signal: digital input, manual trigger, virtual inputs PTZ: moving, preset reached, ready Storage: disruption, recording System: system ready Time: recurrence, use schedule
General	
Memory	512 MB RAM, 256 MB Flash
Power	24 V AC/DC Typical 16 W, max 182 W Power loss recovery, TVS 2 kV surge protection I/O connector Output power 12 V DC, max load 50 m
Storage	Support for microSD/microSDHC/microSDXC card and encryption Recording to network-attached storage (NAS)
Dimensions	557 x 229 x 289 mm (22 x 9 x 11 in)
Weight	12.2 kg (27 lb)

AXIS Q1942-E PT Mount Thermal Network Camera

Wide VGA thermal coverage with pan/tilt flexibility

The bullet-style, outdoor-ready AXIS Q1942-E PT Mount offers the possibility of mounting the camera on a pan/tilt motor to increase installation flexibility. The thermal resolution of 640x480 and a range of lenses make it easy to detect and verify people, objects and incidents from pitch dark areas to a sunlit parking lot. A noise filter gives improved thermal image contrast while keeping noise levels low, without adding blur and ghost effects. AXIS Q1942-E PT Mount withstands harsh weather conditions and has a built-in heater for the window. Additionally, it offers Power over Ethernet and has a microSD card slot.



Specifications

Camera	
Image sensor	Uncooled Micro bolometer 640x480, pixel size: 17 μ m Spectral range: 8-14 μ m
Lens	Athermalized 10 mm Horizontal field of view: 63°, F1.24 Near focus distance: 2.8 m (9.2 ft) 19 mm Horizontal field of view: 31°, F1.23 Near focus distance: 9.2 m (30 ft) 35 mm Horizontal field of view: 17°, F1.20 Near focus distance: 33 m (108 ft) 60 mm Horizontal field of view: 10°, F1.25 Near focus distance: 91 m (300 ft)
Pan/Tilt	Preset positions, guard tour, driver selection, control queue
Video	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG
Resolution	Sensor is 640x480. Image can be scaled up to 800x600 (SVGA)
Frame rate	Up to 8.3 fps and 30 fps



Network	
Security	Password protection, IP address filtering, HTTPS encryption, IEEE 802.1x (EAP-TLS) network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware
System integration	
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com AXIS Guardian with One-Click Connection ONVIF® Profile G and ONVIF® Profile S specification at onvif.org
Analytics	<u>Included</u> AXIS Video Motion Detection, AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard, shock detection <u>Supported</u> AXIS Perimeter Defender Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
Event triggers	Analytics, temperature, external input, time scheduled, edge storage events PTZ preset
Event actions	File upload: FTP, SFTP, HTTP, HTTPS network share, email Notification: email, HTTP, HTTPS and TCP, SNMP trap External output activation Video recording to edge storage Pre- and post-alarm video buffering PTZ preset, guard tour, overlay text
General	
Memory	512 MB RAM, 256 MB Flash
Connectors	RJ45 10BASE-T/100BASE-TX PoE Terminal block for power RS485/RS422 for pan/tilt control
Dimensions	309 x 105 mm (12 3/16 x 4 1/8 in)
Weight	10/19 mm: 1800 g (4.0 lb) Mount 35 mm: 1900 g (4.2 lb) Mount 60 mm: 2000 g (4.4 lb)

Network Cameras – Onboard Cameras

AXIS P3915-R Mk II Network Camera

Onboard HDTV 1080p surveillance with audio and Zipstream

AXIS P3915-R Mk II Network Camera is specifically designed for video surveillance in vehicles and rolling stock. The compact, discreet, and rugged camera is IP66/IP67-rated, and can withstand tough conditions such as vibration, shock and temperature fluctuations. Optional accessories for outdoor installation and wider field of view available. The camera provides HDTV 1080p with WDR and Lightfinder to ensure high image quality in mixed and low-light conditions. Traffic Light mode enables the camera to distinguish traffic light colors in dark scenes. Audio-in and I/O capabilities optimize smart surveillance in the driver’s compartment. AXIS P3915-R Mk II supports Zipstream, which significantly reduces bandwidth and storage requirements.



Specifications

Camera	
Image sensor	1/2.9" Progressive scan RGB CMOS
Lens	3.6 mm, F2.0 Horizontal field of view: 87° Vertical field of view: 47° M12 mount, fixed iris See Optional accessories for exchangeable lenses
Camera angle adjustment	Pan: ±30° Tilt: 15-90° Rotation: ±175°
Video	
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG
Resolution	1920x1080 to 160x90
Wide dynamic range	WDR - forensic capture
Pan/Tilt/Zoom	Digital PTZ, preset positions, guard tour, control queue
Audio	



Audio streaming	Audio in, simplex
Audio compression	AAC-LC 8/16/32 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz Configurable bit rate
Network	
Security	Password protection, IP address filtering, HTTPS encryption, network access control, digest authentication, user access log, centralized certificate management, signed firmware, secure boot
System integration	
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com AXIS Guardian with One-Click Connection ONVIF® Profile G and ONVIF® Profile S, specification at onvif.org
Analytics	<u>Included</u> AXIS Video Motion Detection, active tampering alarm, audio detection <u>Supported</u> AXIS Perimeter Defender Support for AXIS Camera Application Platform enabling installation of third-party applications, seeaxis.com/acap
Event triggers	Analytics, time scheduled, edge storage events Audio level, external input
Event actions	Record video and audio: SD card and network share Upload images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email
General	
Mounting	Inside vehicles and rolling stock
Memory	512 MB RAM, 256 MB Flash
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 2 Typical 3.3 W, max 3.9 W
Dimensions	Height: 49 mm (1 15/16 in), ø 109 mm (4 3/16 in)
Weight	RJ45: 255 g (0.56 lb) M12: 264 g (0.58 lb)

AXIS F4005-E Dome Sensor Unit

Recessed dome for surveillance indoors, outdoors, and in vehicles

AXIS F4005-E is an easy-to-install, vandal-resistant recessed dome sensor unit for discreet surveillance indoors, outdoors, and in vehicles. For use with an AXIS F Main Unit, AXIS F4005-E is ideal for retail, office, and banking environments, as well as inside buses and emergency vehicles. The rugged sensor unit withstands dust, rain, snow, vibration, shock and impact. AXIS F4005-E provides a 1080p resolution and a wide 110° horizontal field of view. It enables WDR – Forensic Capture, ideal for scenes with very bright and dark areas. AXIS F4005-E comes with a 12-m (39 ft.) pre-mounted cable for connection to a main unit. A rotation tool is supplied for leveling the image.



Specifications

Camera	
Image sensor	1/2.8" (effective) progressive scan RGB CMOS
Lens	2.8 mm, F2.0 With AXIS F34/F41/F44, 1080p Horizontal angle of view: 110° Vertical angle of view: 61° With AXIS F34/F44, 720p Horizontal angle of view: 71° Vertical angle of view: 40°
Resolution	Max. 1920x1200/1080
Wide dynamic range	WDR – Forensic Capture With AXIS F41: 1080p, 25/30 fps (50/60 Hz) With AXIS F44: 720p, 12.5/15 fps (50/60 Hz)
Minimum illumination	Color: 0.3 lux
Camera angle adjustment	Tilt: 120°, Rotation: 90°
General	
Casing	IK09- and IP66-rated plastic casing
Dimensions	Depth: 38 mm (1 1/2 in) ø 112 mm (1/6 in) 12-m (39 ft) cable
Weight	590 g (1.3 lb)

F. Explosion-Protected Network Cameras

D101-A XF P3807 Explosion-Protected Network Camera

Seamless 180° coverage for hazardous areas

D101-A XF P3807 delivers 180° panoramic overviews with excellent images and no blind spots. This 8-megapixel multisensor camera captures quality forensic images at up to 30 fps. With four sensors built into a single camera, and seamless stitching of all four images, this lightweight camera lets you monitor one, single smooth and cohesive videostream instead of watching multiple streams. It's certified worldwide with Class I/II/III, Division 1 and Zone 1 for use in explosion-prone applications. It's enclosed in an IP66 rated aluminum red housing and includes Forensic WDR and Lightfinder for clear, sharp images even in challenging light.



Specifications

Camera	
Image sensor	4 x 1/2.9" progressive scan RGB CMOS
Lens	Fixed 3.2 mm, F2.0 Horizontal field of view: 180° Vertical field of view: 90°
Minimum illumination	Color: 0.17 lux, F2.0 B/W: 0.05 lux, F2.0
Camera angle adjustment	Pan ±180° Tilt 0°, 35°, 45°, 55° Roll ±10° Default tilt angle: 45°
Video	
Resolution	4320x1920 to 480x270
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG
System integration	



Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com AXIS Guardian with One-Click Connection ONVIF® Profile G and ONVIF® Profile S, specification at onvif.org
Analytics	Included AXIS Video Motion Detection, active tampering alarm Supported AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
Event triggers	Analytics, edge storage events, shock detection
General	
Memory	1 GB RAM, 512 MB Flash
Dimensions	ø 8.6 in (218 mm) Height: 15.9 in (404 mm)
Weight	19 lb (8.6 kg)

II. Hikvision

A. Panoramic Series - Network Cameras

DS-2CD63C5G0E-I(V)(S) (B)

12 MP IR Network Fisheye Camera

DS-2CD63C5G0E-I(V)(S) (B) is a fisheye network camera capable of providing a 360-degree panoramic image of its surveillance scene. The progressive scan CMOS sensor provides high-resolution images of up to 4000 × 3000. Up to 18 live view display modes, designed for 3 mount types, meet various user preference. Three independently controlled IR lights offer a range of 15 m and provide good vision in low or even zero-light environment.



Specifications

Camera	
Image Sensor	1/1.7" Progressive Scan CMOS
Min. Illumination	Color: 0.082 Lux @ (F2.8, AGC ON), B/W: 0.016 Lux @ (F2.8, AGC ON), 0 Lux with IR
Shutter Speed	1 s to 1/100,000 s
Day & Night	IR Cut Filter
WDR	Digital WDR
Lens	
Focal Length	2 mm
Aperture	F2.8
FOV	Horizontal FOV 180° (wall mount), 360°(ceiling mount), 360°(table mount)
IR	
IR Range	Up to 15 m IR range, 3 LEDs. Each LED is independently controlled.
Wavelength	850 nm
Smart Feature-set	
Behavior Analysis	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection
Exception Detection	Audio Exception Detection
Region of Interest	4 fixed regions for main stream and sub-stream



Image	
Max. Resolution	4000 × 3000
Image Enhancement	BLC, HLC, defog, 3D DNR
Image Setting	Saturation, brightness, contrast, sharpness, AGC and white balance are adjustable by client software or web browser
Mount Type	Support table, wall, and ceiling mounting
Display Mode	18 display modes in total Software decoding: Ceiling mount: fisheye view, 180 panorama view, 360 panorama view, 360 panorama + PTZ, 360 panorama + 3PTZ, 360 panorama + 6PTZ, 360 panorama + 8PTZ, 2PTZ, 4PTZ, fisheye + 3PTZ, fisheye +8 PTZ, hemisphere, AR hemisphere, cylinder Wall mount: fisheye view, panorama view, panorama + 3PTZ, panorama + 8PTZ, 4PTZ, fisheye + 3PTZ, fisheye + 8 PTZ Table mount: fisheye view, 180 panorama view, 360 panorama view, 360 panorama + PTZ, 360 panorama + 3PTZ, 360 panorama + 6PTZ, 360 panorama + 8PTZ, 4PTZ, fisheye + 3PTZ, fisheye +8 PTZ, cylinder Hardware decoding: Ceiling mount: fisheye view, 180 panorama view, panorama view, 4PTZ, fisheye + 3PTZ, 4PTZ fusion Wall mount: fisheye view, 180 panorama view, panorama view, 4PTZ, fisheye + 3PTZ, 4PTZ fusion Table mount: fisheye view, 180 panorama view, panorama view, 4PTZ, fisheye + 3PTZ, 4PTZ fusion
Network	
Network Storage	Support microSD/SDHC/SDXC card (256 G), local storage and NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	Motion detection, video tampering alarm, network disconnected, IP address conflicted, illegal login, HDD full, HDD error
API	ONVIF (PROFILE S, PROFILE G), ISAPI
Client	iVMS-4200, iVMS-4500, Hik-Connect, iVMS-5200
Web Browser	IE8+, Chrome31.0-44, Firefox 30.0-51, Safari8.0+
Interface	
On-board storage	Built-in micro SD/SDHC/SDXC slot, up to 256 GB
General	
Power Consumption	12 VDC, 0.9 A, max. 11 W PoE (802.3af, 36 to 57 V), 0.3 A to 0.2 A, max. 12 W
Dimensions	Without -V model: 167.4 × 152.8 × 46.8 mm (6. 6" × 6" × 1.8") With -V model: 167.4 × 152.8 × 55 mm (6. 6" × 6" × 2.2")
Weight	Approx. 1400 g (3.09 lbs)

DS-2CD6984G0-IH(S)(AC)(/NFC)
180° Stitched 32 MP PanoVu Camera



Key Features

- 1/1.8" Progressive scan CMOS
- Max. resolution 8160 × 3616 @ 30 fps in panorama display mode
- Panorama field of view: horizontal FOV 180°, vertical FOV 95°
- Multiple display modes available: Panorama, original, panorama + ePTZ, and divided panorama
- Four IR LEDs, up to 20 m IR distance
- Audio and alarm I/O, optional
- Flexible power supply options

Specifications

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Min. Illumination	Color: 0.009 Lux @ (F1.2, AGC ON), 0.012 Lux @ (F1.4, AGC ON) B/W: 0.0009 Lux @ (F1.2, AGC ON), 0.0012 Lux @ (F1.4, AGC ON), 0 Lux with IR
Shutter Speed	1/25 s to 1/100,000 s
WDR	DWDR
2-Axis Adjustment	Pan: 0° to 355°, tilt: 0° to 90°
Lens	
Focal length	2.8 mm, four lenses
Aperture	F1.4
FOV	Single lens image: horizontal FOV 102°, vertical FOV 55°, diagonal FOV 120° Panorama Image: horizontal field of view 180°, vertical FOV 95°
IR	
IR Range	Four IR LEDs, up to 20 m
Wavelength	850 nm

Image	
Max. Resolution	8160 × 3616
Image Settings	Rotate (only the original mode supports), saturation, brightness, contrast, sharpness, AGC and white balance adjustable by client software or web browser
Network	
Network Storage	Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	Network disconnected, IP address conflict, illegal login, HDD full, HDD error
API	ONVIF (PROFILE S, PROFILE G), ISAPI
User/Host	Up to 32 users 3 levels: Administrator, Operator and User
Client	iVMS-4200
Web Browser	IE8+, Chrome 31.0-44, Firefox 30.0-51, Safari 8.0+
Interface	
Audio I/O (-S)	1 Input (line in), 1 output (line out), mono sound
On-board Storage	Built-in micro SD/SDHC/SDXC slot, up to 128 GB
General	
Power Supply	Non-AC: 12 VDC±20%, three-core terminal block, PoE (802.3at), class 4 -AC: 24 VAC±20%, three-core terminal block, PoE (802.3at), class 4
Dimensions	Camera: 190 × 207 × 208 mm (7.5" × 8.2" × 8.2") Package: 336 × 261 × 293 mm (13.2" × 10.3" × 11.5)
Weight	Approx. 3.5 kg (7.7 lb.)

DS-2CD6D82G0-IH(S)
Dual-Directional PanoVu Camera



Key Features

- 1/2.5" Progressive Scan CMOS
- Dual lens
- Flexible Lens: P: -90 to 90°; T: 0 to 60°(2.8mm), 0 to 70°(4/6mm); R: 0 to 355°
- 3840 × 2160 @ 24fps
- Built-in micro SD/SDHC/SDXC card slot, up to 256GB

Specifications

Camera	
Image Sensor	1/2.5" Progressive Scan CMOS
Min. Illumination	Color: 0.056 Lux @ (F2.0, AGC ON), 0 Lux with IR
Shutter Speed	1s to 1/100,000 s
Wide Dynamic Range	120dB
Angle Adjustment	P: -90 to 90°; T: 0 to 60° (2.8mm), 0 to 70° (4/6mm); R: 0 to 355°
Lens	
Lens Type & FOV	2.8mm @ F2.0, horizontal FOV 103°, vertical FOV 53°, diagonal FOV 124° 4 mm @ F2.0, horizontal FOV 79°, vertical FOV 41°, diagonal FOV 94° 6 mm @ F2.0, horizontal FOV 50°, vertical FOV 27°, diagonal FOV 58°
Aperture	F2.0
Lens Mount	M12
Illuminator	
IR Range	Up to 10m
Wavelength	850nm
Video	
Max. Resolution	3840 × 2160
Network	
Simultaneous Live View	Up to 20 channels
API	ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK
User/Host	Up to 32 users 3 levels: Administrator, Operator and User
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF, RTP/RTSP over HTTPS, control timeout settings, TLS 1.2
Client	iVMS-4200, Hik-Connect
Web Browser	Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local service: Chrome 41.0+, Firefox 30.0+
Smart Feature-Set	
Smart Event	No
Intelligent (Traditional Algorithm)	
Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)

General	
Power Supply	12 VDC, POE (802.3af)
Camera Dimension	164.3 × 84.6 × 67.4 mm (6.5" × 3.3" × 2.7")
Package Dimension	227 × 172 × 125 mm (8.9" × 6.8" × 4.9")
Camera Weight	770g (1.7 lb.)
With Package Weight	1053g (2.3 lb.)

B. Pro Series

DS-2CD2143G0-IU

4 MP IR Fixed Dome Network Camera



Key Features

- 1/3" Progressive Scan CMOS
- 2688 × 1520@30fps
- IR range: Up to 30 m
- 120dB WDR
- Built-in micro SD/SDHC/SDXC card slot, up to 128 GB
- 3-Axis adjustment
- Built-in microphone

Specifications

Camera	
Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	Color: 0.018 Lux @ (F1.6, AGC ON), 0 Lux with IR
Shutter Speed	1/3 s to 1/100,000 s
WDR	120 dB
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
Lens	
Lens Type	Fixed lens, 2.8/4/6 mm
Aperture	F1.6



Illuminator	
IR Range	Up to 30 m
Wavelength	850 nm
Video	
Max. Resolution	2688 × 1520
Smart Feature-Set	
Smart Event	Line crossing detection, intrusion detection and face detection
Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
Face Detection	Yes
Network	
Network Storage	microSD/SDHC/SDXC card (128 GB), local storage and NAS (NFS,SMB/CIFS), ANR
API	ONVIF (PROFILE S, PROFILE G), ISAPI, SDK
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF, TLS1.2
User/Host	Up to 32 users, 3 levels: administrator, operator and user
Client	iVMS-4200, Hik-Connect, Hik-Central
Web Browser	Plug-in required live view: IE8+, Chrome 41.0-44, Firefox30.0-51, Safari8.0-11 Plug-in free live view: Chrome 45.0+, Firefox52.0+
Interface	
Communication Interface	1 RJ45 100M self-adaptive Ethernet port
Audio	1 audio input (built-in microphone)
On-board storage	Built-in micro SD/SDHC/SDXC slot, up to 128 GB
General	
Dimensions	Camera: $\Phi 121 \times 92$ mm ($\Phi 4.8'' \times 3.6''$) With package: $134 \times 134 \times 108$ mm ($5.3'' \times 5.3'' \times 4.3''$)
Weight	Camera: Approx. 570 g (1.3 lb.) With package: Approx. 950 g (2.1 lb.)

DS-2CD2T45FWD-I5/I8
4MP Powered by DarkFighter Fixed Bullet Network Camera



Key Features

- 1/2.5" Progressive Scan CMOS
- 2688 × 1520 @30 fps
- 2.8, 4, 6, 8, 12 mm fixed lens
- H.265+, H.265, H.264+, H.264
- 4 Behavior analyses
- Powered by Darkfighter
- IR range: 50 m, 80 m, optional
- Built-in microSD/SDHC/SDXC card slot, up to 128 GB

Specifications

Camera	
Image Sensor	1/2.5" Progressive Scan CMOS
Min. Illumination	Color: 0.008 lux @(F1.2, AGC ON), 0.014 lux @(F1.6, AGC ON), 0 lux with IR
Shutter Speed	1/3 s to 1/100,000 s
WDR	120dB
3-Axis Adjustment	Pan: 0°to 360°, tilt: 0°to 100°, rotate: 0°to 360°
Lens	
Focal Length	2.8, 4, 6, 8, 12 mm
Aperture	F1.6
IR	
IR Range	I5: Up to 50 m I8: Up to 80 m
Wavelength	850nm
Smart Feature-set	
Behavior Analysis	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection
Exception Detection	Scene change detection
Face Detection	Yes

Network Storage	Support microSD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	Motion detection, video tampering, network disconnected, IP address conflict, illegal login, HDD full, HDD error
User/Host	Up to 32 users 3 levels: Administrator, Operator and User
Client	iVMS-4200, Hik-Connect, iVMS-5200, iVMS-4500
Web Browser	Plug-in required live view: IE8+, Chrome 41.0-44, Firefox 30.0-51, Safari 8.0-11 Plug-in free live view: Chrome 45.0+, Firefox 52.0+
General	
Power Supply	12 VDC ± 25%, Φ 5.5 mm coaxial plug power PoE(802.3af, class 3)
Dimensions	Camera: Φ104.8 mm × 299.7 mm (Φ4.1" × 11.8") Package: 386 mm × 156 mm × 155 mm (15.2" × 6.1" × 6.1")
Weight	Camera: 1200 g (2.7 lb.)

DS-2CD2T47G1-L
4 MP ColorVu Fixed Bullet Network Camera



Hikvision ColorVu technology provides 24/7 vivid colorful images with F1.0 advanced lenses, high performance sensors and friendly lighting. F1.0 super-aperture collects more light to produce brighter images. Advanced sensor technology can vastly improve the utilization of available light. In zero-light scenarios, built-in, warm supplemental lighting works to guarantee colorful images.

Specifications

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Min. Illumination	0.0014 @ (F1.0, AGC ON), 0 Lux with Light
Shutter Speed	1/3 s to 1/100,000 s
Wide Dynamic Range	120 dB
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°



Lens	
Focal length	2.8/4/6 mm
Aperture	F1.0
Smart Feature-set	
Behavior Analysis	Line crossing detection, intrusion detection, object removal detection, unattended baggage detection
Exception Detection	Scene change detection
Face Detection	Yes
Network	
Network Storage	Support micro SD/SDHC/SDXC card (128G) local storage, NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	Motion detection, video tampering detection, network disconnected, IP address conflict, illegal login, HDD full, HDD error
API	ONVIF (PROFILE S, PROFILE G), ISAPI
User/Host	Up to 32 users 3 levels: Administrator, Operator and User
Client	iVMS-4200, Hik-Connect, iVMS-4500, iVMS-5200
Web Browser	Plug-in required live view: IE8+, Chrome 41.0-44, Firefox 30.0-51, Safari 8.0-11 Plug-in free live view: Chrome 45.0+, Firefox 52.0+
General	
Power Supply	12 VDC \pm 25%, Φ 5.5 mm coaxial power plug PoE (802.3af, class 3)
Dimension	Camera: Φ 105 \times 290.7 mm (Φ 4.1" \times 11.4") With package: 385 \times 190 \times 180 mm (15.2" \times 7.5" \times 7.1")
Weight	Camera: 1200 g (2.6 lb.) With package: 1800 g (4 lb.)

C. Ultra Series

4 MP IR Fixed Bullet Network Camera



Specifications

Camera	
Image Sensor	1/2.5" Progressive Scan CMOS
Min. Illumination	Color: 0.014 Lux @(F1.6, AGC ON), 0 Lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Day & Night	IR Cut Filter
WDR	120 dB
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Lens	
Lens Type	2.8/4/6
Aperture	F1.6
FOV	2.8 mm, horizontal FOV: 109°, vertical FOV: 60°, diagonal FOV: 131° 4 mm, horizontal FOV: 88°, vertical FOV: 46°, diagonal FOV: 105° 6 mm, horizontal FOV: 53°, vertical FOV: 30°, diagonal FOV: 61°
Lens Mount	M12
Illuminator	
IR range	Up to 40 m
Wavelength	850 nm
Video	
Max. Resolution	2688 × 1520
Main Stream	50Hz: 25fps (2688 × 1520, 2304 × 1296, 1920 × 1080, 1280 × 720) 60Hz: 30fps(2688 × 1520, 2304 × 1296, 1920 × 1080)
Sub Stream	50Hz: 25fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)
Third Stream	50Hz: 25fps (1280 × 720, 640 × 360, 352 × 288) 60Hz: 30fps(1280 × 720, 640 × 360, 352 × 240)



Video Compression	Main stream: H.265/H.264 Sub-stream/third stream: H.265/H.264/MJPEG
H.264 Type	Main Profile/High Profile
H.264+	Main stream supports
H.265 Type	Main Profile
H.265+	Main stream supports
Video Bit Rate	32 Kbps to 16 Mbps
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Smart Feature-Set	
Smart Event	Line crossing detection, up to 1 line configurable Intrusion detection, up to 1 region configurable Unattended baggage detection, up to 1 region configurable Object removal detection, up to 1 region configurable
Basic event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
Network	
Network Storage	microSD/SDHC/SDXC card (128 GB), local storage and NAS (NFS,SMB/CIFS), ANR Together with high-end Hikvision memory card, memory card encryption and health detection are supported.

D. DeepinView Series

Dome Network Camera iDS-2CD8146G0-/IZS



Key Features

- Metadata

Metadata uses individual instances of application data or the data content. Metadata can be used for third-party application development.

- Face Capture

With embedded deep learning based algorithms, the camera is able to give the best shot of a target face through detecting, tracking, capturing, grading and selecting. The procedure reduces the happening of mistaken capture, and thus gets the best face shot, improving the accuracy rate of face comparison by the back0end devices. The camera uses face exposure function to dynamically adjusts face area exposure of captures and ensure high face picture quality.

- Face Recognition

With embedded deep learning based algorithms, the camera is capable of comparing captured faces with faces in libraries instantly and returning results. The camera uses face exposure function to dynamically adjusts face area exposure of captures and ensure high face picture quality.

Specifications

Camera	
Image sensor	1/1.8" Progressive Scan CMOS
Min. Illumination	Color: 0.0045 Lux @ (F1.8, AGC ON), 0 Lux with IR
Day & Night	IR Cut Filter
WDR	140 dB
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
Lens	
Lens Type	Motorized lens, 8 to 32 mm
Focus	Auto, semi-auto, manual
FOV	Horizontal FOV 40° to 16°, vertical FOV 22° to 9°, diagonal FOV 46° to 18°



Illuminator	
IR Range	Up to 30 m
Wavelength	850 nm
Video	
Max. Resolution	2560 × 1440
Video Stream	5 defined streams
Main Stream	50Hz: 25fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 30fps (2560 × 1440, 1920 × 1080, 1280 × 720)
Video Compression	Main stream: H.265/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264
H.265+	Main stream support
Video Bit Rate	32 Kbps to 16 Mbps
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Audio	
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3
Smart Feature-Set	
Smart Event	<ul style="list-style-type: none"> - Line crossing detection, up to 4 lines configurable - Intrusion detection, up to 4 regions configurable - Region entrance detection, up to 4 regions configurable - Region exiting detection, up to 4 regions configurable - Unattended baggage detection, up to 4 regions configurable - Object removal detection, up to 4 regions configurable - Scene change detection, audio exception detection, defocus detection
Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error, video quality diagnosis)
Face Capture	Face detection performance: detects up to 30 faces at the same time Detectable face position: supports swing left and right from -60° to 60°, tilt up and down from -30° to 30°; Uploads face with background and closed-up face pictures
Network	



Network Storage	microSD/SDHC/SDXC card (256 GB), local storage and NAS (NFS,SMB/CIFS), ANR Together with ordinary memory card, memory card encryption is supported; together with high-end Hikvision memory card, memory card encryption and health detection are supported.
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS
API	ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK
Interface	
Audio	1 input (line in, 3.5 mm), 1 output (line out, 3.5 mm), 1 built-in mic
Communication Interface	1 RJ45 10M/100M/1000M Ethernet port 1 RS-485 interface (half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)
General	
Power Supply	12 VDC \pm 20%, reverse polarity protection; two-core terminal block; 24 VAC \pm 20%; PoE (802.3at, type 2, class 4)
Material	Metal

Deepin View Dual-Lens Face Recognition Camera



iDS-2CD8426G0/F-I adopts advanced deep learning algorithm and powerful GPU to realize instant face detection, capture, and comparison to accomplish face recognition and related alarm triggering. The camera can be widely used in retail industry and security departments, such as hotel, shopping malls to improve the VIP service, custom, airport to control some key passageway.

Camera	
Image Sensor	1/2.8" Progressive Scan CMOS ×2
Shutter Speed	1/25 s to 1/100,000 s
Day & Night	IR Cut Filter
Digital Noise Reduction	3D DNR
WDR	120 dB
Lens	
Focal Length	Two identical lenses. 4 mm, 6 mm, 8mm, 12mm, optional
FOV	4 mm, horizontal FOV 86°, vertical FOV 46°, diagonal FOV 103° 6 mm, horizontal FOV 53°, vertical FOV 28°, diagonal FOV 62° 8 mm, horizontal FOV 41°, vertical FOV 22°, diagonal FOV 47° 12 mm, horizontal FOV 25°, vertical FOV 14°, diagonal FOV 29° IR
IR Range	Up to 10 m
Compression Standard	
Video Compression	Main stream: H.265/H.264 Sub stream: H.265/H.264/MJPEG Third stream: H.265/H.264 Fourth stream: H.265/H.264 Fifth stream: H.265/H.264 H
H.265+	Support
Audio Bit Rate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2) Smart
Face recognition	



Face Capture	Capture, automatically select and output optimum face picture.
Face Recognition	Instantly compare captured face pictures with those in face picture libraries. Recognized faces trigger alarm if alarm action is configured.
Image	
Max. Resolution	1920 × 1080
Main Stream	50Hz: 25fps (1920 × 1080, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 720)
Network	
Network Storage	Support Micro SD/SDHC/SDXC card (128G) local storage, NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error
User/Host	Up to 32 users 3 levels: Administrator, Operator and User
General	
Power Supply	36 VDC, two-core terminal block

E. Special Series

Indoor Dual-lens People Counting Camera



iDS-2CD6810F/C is a specialized people counting camera, supporting separate counting of people entering, exiting, and passing by. The camera combines various crucial and advanced technologies, including binocular stereo vision, 3D people detection and tracking, and height filtering, to guarantee high accuracy.

Specifications

Camera	
Image Sensor	1/3" Progressive Scan CMOS
Shutter Speed	1/25 s – 1/10,000 s
Auto-iris	Manual
Digital Noise Reduction	3D DNR
Lens	
Focal Length	2 mm, 2.8 mm, 4 mm, optional
Aperture	2 mm: F2.2 2.8 mm: F2.0 4 mm: F2.2
FOV	2 mm: horizontal FOV 105°, vertical FOV 89° 2.8 mm: horizontal FOV 83°, vertical FOV 68° 4 mm: horizontal FOV 63°, vertical FOV 55°
Compression Standard	
Video Compression	Main stream: H.264 Sub-stream: H.264
H.264 Type	Baseline Profile/Main Profile
Video Bit Rate	32kbps to 8mbps
People Counting	
Statistics	Support separate counting of people entering, exiting, and passing by
Data Uploading	Support real-time uploading and uploading by statistic cycle
Email report	Daily, weekly, monthly, and annual report supported
Height Filter	Support
Image	
Max. Resolution	640 x 960
Main Stream Max. Frame Rate	50Hz: 25fps (640 × 480) 60Hz: 24fps (640 × 480)



Image Enhancement	3D DNR
Network	
Alarm Trigger	Video tampering, alarm input, alarm output, network disconnected, IP address conflict, illegal login
User/Host	Up to 32 users 3 levels: Administrator, Operator and User
General	
Operating Conditions	-10 °C to +40 °C (+14 °F to +104 °F), humidity 95% or less, no condensing
Power Supply	12 VDC ± 25%, 5.5 mm coaxial power plug PoE (802.3af, class 3)

F. Wi-Fi Series

Indoor Dual-lens People Counting Camera



Key Features:

- High quality imaging with 5 MP resolution
- Efficient H.265+ compression technology
- Clear imaging even with strong back lighting due to DWDR technology
- Up to 128 GB SD card slot for storage
- Built-in microphone for real-time audio security
- Wi-Fi connection and easy installation
- Hik-Connect cloud service and app for remote management and viewing of devices
- Water and dust resistant (IP66)

Specifications

Camera	
Image Sensor	1/2.7" Progressive Scan CMOS
Min. Illumination	Color: 0.01 Lux @(F1.2; AGC ON), 0.028 Lux @(F2.0; AGC ON)
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Auto-Iris	No
Day & Night	IR Cut Filter
Digital Noise Reduction	3D DNR
Axis Adjustment	Pan: 0°to 360°, tilt: 0°to 90°, rotate: 0°to 360°
Lens	
Focal Length	2.8/4 mm
Aperture	F2.0
FOV	2.8 mm, horizontal FOV: 100°, vertical FOV: 74°, diagonal FOV: 130° 4 mm, horizontal field of view: 75°, vertical FOV: 55°, diagonal FOV: 98°
IR	
IR Range	Up to 30 m



Wavelength	850nm
Smart Feature-set	
Region of Interest	Support 1 fixed region for main stream and sub-stream
Image	
Max. Resolution	2560 × 1920
Network	
Alarm Trigger	Motion detection, video tampering, network disconnected, IP address conflict, illegal login, HDD error, HDD full
Network Storage	Support built-in microSD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, QoS, IPv6, UDP, Bonjour
General Function	One-key reset, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter
API	ONVIF(PROFILE S,PROFILE G), ISAPI
Client	iVMS-4200, Hik-Connect, iVMS-5200, iVMS-4500
Web Browser	IE8+, Chrome 31.0-44, Firefox 30.0-51, Safari 8.0+
Interface	
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Audio I/O	1 Built-in mic, mono sound
Wi-Fi	
Wireless Standards	IEEE802.11b, 802.11g, 802.11n
Frequency Range	2.412 GHz - 2.472 GHz
Channel Bandwidth	20/40MHz
Protocols	802.11b: CCK, QPSK, BPSK, 802.11g/n: OFDM
Security	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPS
Transfer Rates	11b/g: 54Mbps, 11n: up to 150Mbps
Wireless Range	Up to 50 m (The performance varies based on actual environment)
General	
Operating Conditions	-30 °C to +60 °C (-22 °F to +140 °F), Humidity 95% or less (non-condensing)
Protection Level	IP66
Material	Front cover: plastic, camera body: metal
Dimensions	Camera: 69.7 mm × 67.9 mm × 171.4 mm (2.7" × 2.7" × 6.7") With package: 216 mm × 121 mm × 118 mm (8.5" × 4.8" × 4.6")
Weight	Camera: 372g (0.8lb) With package: 659g(1.5lb)