

AXIS P5635-E Mk II PTZ Dome Network Camera

HDTV 1080p PTZ with 30x zoom and focus recall

AXIS P5635-E Mk II is a cost-effective, outdoor-ready HDTV 1080p camera with 30x optical zoom for high-definition video surveillance of large areas. It features continuous 360° pan for fast camera repositioning and continuous tracking of objects. The focus recall feature offers instant focus in predefined areas, while the day/night functionality and WDR provide great image quality even in complex light conditions. It offers shock detection, video motion detection, Advanced Gatekeeper and electronic image stabilization. Axis' Zipstream technology significantly reduces bandwidth and storage requirements. It supports two-way audio, I/O ports, an SD card slot, PoE+ and 24 V AC/DC.

- > Continuous 360° pan
- > Excellent light sensitivity
- > HDTV 1080p and 30x optical zoom
- > Focus recall
- > Axis' Zipstream technology



AXISP5635E Mk II PTZ Dome Network Camera

Models	AXIS P5635-E Mk II 50 Hz AXIS P5635-E Mk II 60 Hz		Event actions	Day/night mode, overlay text, video recording to edge storage, pre- and post-alarm video buffering, send SNMP trap, WDR mode External output activation, play audio clip PTZ: PTZ preset, start/stop guard tour File upload via FTP, SFTP, HTTP, HTTPS and email Notification via email, HTTP, HTTPS and TCP
Camera				
Image sensor	Progressive scan CMOS 1/2.8"			
Lens	4.3–129 mm, F1.6–4.7 Horizontal field of view: 65.6°–2.0° Vertical field of view: 39.0°–1.2° Autofocus, auto-iris			
Day and night	Automatically removable infrared-cut filter			
Minimum illumination	Color: 0.2 lux at 30 IRE F1.6 B/W: 0.01 lux at 30 IRE F1.6 Color: 0.25 lux at 50 IRE F1.6 B/W: 0.02 lux at 50 IRE F1.6		Color: 0.1 lux at 30 IRE F1.6 B/W: 0.01 lux at 30 IRE F1.6 *at Shutter Time 1/25 Sec	
Shutter time	1/66500 to 2 s			
Pan/Tilt/Zoom	Pan: 360° endless, 0.2°/s–350°/s Tilt: 180°, 0.2°/s–350°/s 30x optical zoom and 12x digital zoom, total 360x zoom, 256 preset positions, e-flip, limited guard tour, control queue, on-screen directional indicator, set new pan 0°, focus window, speed zoom, focus recall			
Video				
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG			
Resolutions	1920x1080 (HDTV 1080p) to 320x180			
Frame rate	Up to 25/30 fps (50/60 Hz) in 1080p Up to 50/60 fps (50/60 Hz) in 720p			
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Controllable frame rate and bandwidth Axis' Zipstream technology in H.264 VBR/MBR H.264			
Image settings	Compression, Color, Brightness, Sharpness, Contrast, Local contrast, White balance, Exposure control, Exposure zones, Automatic backlight compensation, Fine tuning of behavior at low light, 120 dB WDR - Forensic Capture, Manual shutter time, Text and image overlay, 20 individual 3D privacy masks, Image freeze on PTZ Electronic Image Stabilization			
Audio				
Audio streaming	Two-way			
Audio compression	AAC-LC 8/16 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz Configurable bit rate			
Audio input/output	External microphone or line input, and line output (Requires Axis 10-pin Push-pull System Connector or Axis Multicable C I/O Audio Power 1 m/5 m, not included)			
Network				
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X ^a network access control, Digest authentication, User access log, Centralized certificate management			
Supported protocols	IPv4/v6, HTTP, HTTPS ^a , SSL/TLS ^a , 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, NTCIP			
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 with One-Click Connection ONVIF® Profiles S and G, specifications at www.onvif.org			
Analytics	Video motion detection, Advanced Gatekeeper Audio detection Support for AXIS Camera Application Platform enabling installation of third-party applications, see www.axis.com/acap			
Event triggers	Detectors: live stream accessed, video motion detection, shock detection, day/night mode, audio detection Hardware: network, temperature Input Signal: manual trigger, virtual inputs, digital input signal PTZ: error, moving, preset reached, ready Storage: disruption, recording System: system ready Time: recurrence, use schedule			
Data streaming				Event data
Built-in installation aids				Pixel counter
General				
Casing		IP66-, IK10- and NEMA 4X-rated Metal casing (aluminum), clear dome (PC), repaintable skin cover		
Sustainability		PVC free		
Memory		512 MB RAM, 256 MB Flash		
Power		Axis PoE+ midspan 1-port: 100–240 V AC IEEE 802.3at Type 2 Class 4 Camera consumption: typical 8 W, max 21 W Multi-connector cable: 20–28 V DC, typical 7 W, max 20 W 20–24 V AC, typical 12 VA, max 28 VA (PoE+ midspan or power supply not included)		
Connectors		RJ45 for 10BASE-T/100BASE-TX PoE RJ45 Push-pull Connector (IP66) included I/O connector for DC or AC input, 4 configurable alarm inputs/outputs, mic in/line in, line out (Axis 10-pin Push-pull System Connector or Axis Multicable C I/O Audio Power1 m/5 m, not included)		
Storage		Support for SDHC UHS-I/SDXC UHS-I card Support for recording to dedicated network-attached storage (NAS) For SD card and NAS recommendations see www.axis.com		
Operating conditions		-30 °C to 55 °C (-22 °F to 131 °F) Humidity 10–100% RH (condensing)		
Storage conditions		-40 °C to 70 °C (-40 °F to 158 °F)		
Approvals		EMC EN 55022 Class B, EN 61000-6-1, EN 61000-6-2, EN 55024, EN 50121-4, IEC 62236-4, FCC Part 15 Subpart B Class A+B, ICES-003 Class B, VCCI Class B, RCM AS/NZS CISPR22 Class B, KCC KN22 Class B, KN35 EN 61000-3-2, EN 61000-3-3 Safety IEC/EN/UL 60950-1, IEC/EN/UL 60950-22 Environment IEC/EN 60529 IP66, NEMA 250 Type 4X, IEC/EN 62262 IK10, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78, ISO 4892-2		
Dimensions		217 x 188 x 188 mm (8 9/16 x 7 3/8 x 7 3/8 in)		
Weight		2.5 kg (5.5 lb)		
Included accessories		RJ45 Push-pull Connector (IP66), Hard ceiling mount, Spring pipe adaptor, U-profile pipe adaptor, Installation Guide, Windows decoder 1-user license, AVHS Authentication key		
Optional accessories		AXIS T91B Mounts, AXIS T94A02L Recessed Mount, Outdoor RJ45 cable with premounted connector, AXIS T8133 Midspan 30 W 1-port, Repaintable skin covers Smoked dome, Axis 10-pin Push-pull System Connector, Axis Multicable C I/O Audio Power 1 m/5 m		
Video management software		AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on www.axis.com/techsup/software		
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 (ey@cryptsoft.com).				
Environmental responsibility: www.axis.com/environmental-responsibility				

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Lund, 14th December 2018

The Minimum Illumination Test report.

In Axis Communications, we believe in a close cooperation with system integrators and provide a full range of sales, marketing and technical support from our corporate headquarters in Sweden.

In regards to the level of minimum illumination needed to obtain images as according to Axis' standard of image quality, we provide the following information for The Minimum Illumination Test report camera models: AXIS P5635-E Mk II PTZ Network Camera

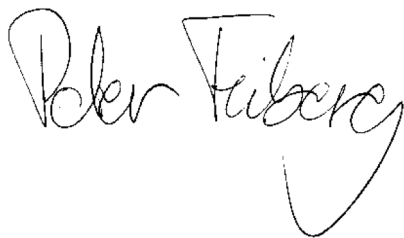
Test Environment and Result.

Room Dimension	4m x 5m x 2.8m	
Object Distance	150 cm	
Room illumination	Color mode : 0.1 Lux	B/W mode : 0.01 Lux
Shutter time: 1/25 Sec		

About Axis' measurement of minimum illumination

Axis measures the minimum amount of illumination required by Axis network video products to produce images of a specified quality. The MMI (Measurement of Minimum Illumination) method described in our whitepaper applies solely to camera blocks developed by Axis Communications AB. The Axis MMI method is based on the CEA-639 standard, "Consumer Camcorder or Video Camera Low Light Performance." For detailed information, see the AXIS whitepaper on the MMI method.

Best Regards



Peter Friberg
Director Solution Management
Axis Communications AB

References:

AXIS whitepaper (MMI): http://www.axis.com/files/tech_notes/Axis_MMI.pdf

AXIS whitepaper (The challenge of minimum illumination):

http://www.axis.com/files/whitepaper/wp_light_sensitivity_41137_en_1011_lo.pdf