

ACTi A422

ACTi A422 4MP Outdoor Network Bullet Camera User Manual

Model: A422 | Brand: ACTi

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your ACTi A422 4MP Outdoor Network Bullet Camera. Please read this manual thoroughly before using the product to ensure proper setup and functionality. The ACTi A422 is designed for secure monitoring of outdoor environments, featuring high-resolution video capture, night vision capabilities, and advanced analytics.

SAFETY INFORMATION

- Ensure all power connections comply with local electrical codes.
- Do not expose the camera to extreme temperatures or humidity beyond its specified operating conditions.
- Avoid direct exposure of the lens to strong light sources for extended periods.
- Only use accessories specified by the manufacturer.
- Disconnect power before performing any maintenance or installation procedures.
- The camera enclosure is IP68 and IK10 rated for outdoor use and vandalism resistance; however, avoid intentional physical damage.

PACKAGE CONTENTS

Verify that all items are present in the package:

- ACTi A422 4MP Outdoor Network Bullet Camera (1 unit)
- Mounting Hardware (screws, anchors)
- Quick Start Guide
- Waterproof Connector Kit

PRODUCT OVERVIEW

The ACTi A422 is a robust bullet-style network camera designed for outdoor surveillance. It features a durable metal enclosure and advanced imaging capabilities.



Figure 1: ACTi A422 4MP Outdoor Network Bullet Camera. This image displays the white bullet camera with its integrated mounting bracket, showcasing the main camera body and the dark lens housing.

Key Components:

- **Camera Lens:** 2.7-13.5mm varifocal lens with 102.8 to 32.4° horizontal field of view.
- **IR LEDs:** Three infrared LEDs for night vision up to 279 feet.
- **Mounting Bracket:** Integrated for wall mounting.
- **Ethernet Port:** RJ-45 port for network and Power over Ethernet (PoE) connection.
- **Audio Input/Output:** For two-way audio communication.
- **MicroSD Card Slot:** Supports Kingston or SanDisk microSD cards up to 256GB for local storage.
- **Reset Button:** For factory reset.

SETUP

1. Mounting the Camera

1. **Choose a Location:** Select a suitable wall or surface for mounting, ensuring a clear field of view and access to network cabling.
2. **Drill Holes:** Use the mounting template (if provided) to mark and drill pilot holes for the mounting screws.
3. **Secure the Camera:** Attach the camera's mounting bracket to the surface using the provided screws and anchors.
4. **Adjust Angle:** Loosen the adjustment screws on the bracket to position the camera for the desired viewing angle, then tighten securely.

2. Network and Power Connection

The ACTi A422 supports Power over Ethernet (PoE), simplifying installation by delivering both power and data through a single Ethernet cable.

1. **Connect Ethernet Cable:** Connect one end of an Ethernet cable to the camera's RJ-45 port. Use the waterproof connector kit for outdoor installations to protect the connection.
2. **Connect to PoE Switch/Injector:** Connect the other end of the Ethernet cable to a PoE-enabled network switch or a PoE injector.
3. **Verify Connection:** Once connected, the camera will power on and attempt to obtain an IP address from your network's DHCP server.

3. Initial Configuration

Access the camera's web interface for initial setup and configuration.

1. **Discover Camera:** Use ACTi's IP Utility software or a network scanner to find the camera's IP address on your network.
2. **Access Web Interface:** Open a web browser (Internet Explorer 11, Chrome, Edge, or Safari are compatible) and enter the camera's IP address in the address bar.
3. **Login:** Enter the default username and password (refer to the Quick Start Guide for default credentials). It is highly recommended to change the default password immediately for security.
4. **Basic Settings:** Configure network settings (if not using DHCP), date/time, and user accounts.

OPERATING THE CAMERA

Video and Image Settings

- **Resolution:** The camera supports up to 2688 x 1520 resolution at 30 fps.
- **Compression:** Utilizes H.265 video compression for efficient storage and bandwidth usage.
- **Image Enhancements:** Adjust white balance, brightness, contrast, sharpness, saturation, backlight compensation (BLC), and strong light suppression (HLC) via the web interface. The camera also features 150 dB Wide Dynamic Range (WDR) and 2D-DNR/3D-DNR for clear images in challenging lighting.
- **Corridor Mode:** Supports 90, 180, and 270° rotation for optimized vertical viewing areas.
- **Privacy Masking:** Configure up to four configurable regions to mask out sensitive areas from surveillance.

Night Vision

The camera is equipped with three IR LEDs and an IR cut filter for automatic day/night switching, providing clear surveillance up to 279 feet in low-light or no-light conditions.

Deep Learning Analytics

The ACTi A422 includes built-in deep learning analytics for enhanced monitoring:

- Face Detection
- Tampering Detection
- Object-based Motion Detection
- Object Line Crossing Detection
- Object Enter Area Detection
- People Line Crossing Detection
- People Enter Area Detection
- Vehicle Line Crossing Detection
- Vehicle Enter Area Detection

These analytics can be configured to trigger alarms or recordings based on specific events within the camera's field of view.

Audio and Storage

- **Two-Way Audio:** Connect external microphone and speaker to enable two-way audio communication.
- **Local Storage:** Insert a Kingston or SanDisk microSD card (up to 256GB) into the onboard slot for local video recording.

System Integration

The camera is fully compatible with ACTi software and complies with ONVIF profiles G, M, S, and T, ensuring broad compatibility with various surveillance devices and Network Video Recorders (NVRs).

Maintenance

- **Cleaning:** Regularly clean the camera lens and housing with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- **Firmware Upgrades:** Periodically check the ACTi website for firmware updates. Auto firmware upgrades are supported. Keeping the firmware updated ensures optimal performance and security.
- **Cable Inspection:** Periodically inspect all cables and connections for wear or damage, especially for outdoor installations.

Troubleshooting

Problem	Possible Cause	Solution
No power/Camera not turning on	No PoE connection; faulty Ethernet cable; PoE switch issue.	Verify Ethernet cable connection; ensure PoE switch/injector is active; try a different port or cable.
Cannot access web interface	Incorrect IP address; network connectivity issue; firewall blocking.	Confirm IP address using ACTi IP Utility; check network cables; temporarily disable firewall for testing; ensure browser compatibility.
Poor image quality	Dirty lens; improper focus; lighting conditions; incorrect image settings.	Clean the lens; adjust focus via web interface; configure image enhancement settings (WDR, BLC); ensure adequate lighting.
Analytics not triggering	Incorrect analytics configuration; environmental factors.	Review and adjust analytics settings (detection zones, sensitivity); ensure clear view without obstructions.

Specifications

- Model:** A422
- Image Sensor:** 1/2.7" Progressive Scan CMOS
- Video Resolution:** 2688 x 1520 (4MP) at 30 fps
- Lens:** 2.7-13.5mm Varifocal
- Field of View (Horizontal):** 102.8° to 32.4°
- Night Vision:** 3 IR LEDs, up to 279 ft (85m)
- Minimum Illumination:** 0.005 lux (color), 0 lux (IR on)
- Video Compression:** H.265, H.264, MJPEG
- Audio:** Two-way (input/output)
- Storage:** MicroSD card slot (up to 256GB, Kingston/SanDisk recommended)
- Network Interface:** RJ-45 Ethernet (10/100 Mbps)
- Power:** Power over Ethernet (PoE)

Ingress Protection: IP68-rated (Dust and Water Resistant)

Vandal Resistance: IK10-rated

Operating Temperature: -40°C to 60°C (-40°F to 140°F)

Dimensions: 6.7 x 2.8 x 2.8 inches (170 x 71 x 71 mm)

Weight: 1.2 pounds (0.54 kg)

ONVIF Compliance: Profiles G, M, S, T

Analytics: Face detection, tampering detection, object-based motion detection, object/people/vehicle line crossing/enter area detection.

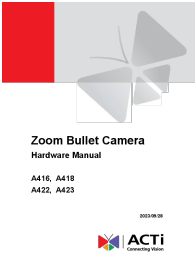
WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official ACTi website or contact your authorized ACTi dealer. Keep your purchase receipt as proof of purchase for warranty claims.



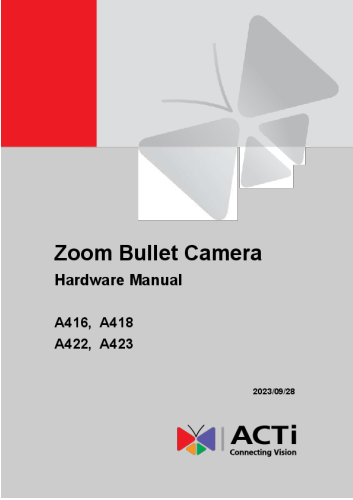
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Related Documents

 Zoom Bullet Camera Hardware Manual A416, A418 A422, A423 2023-08-08 ACTi Connecting Vision	ACTi Zoom Bullet Camera Hardware Manual: A416, A418, A422, A423 This hardware manual provides comprehensive instructions for installing, connecting, and accessing ACTi Zoom Bullet Cameras, models A416, A418, A422, and A423. It covers setup procedures, physical descriptions, network configuration, and troubleshooting.
 Mini Bullet Camera Hardware Manual A310, A311, A313, A314 2023-08-08 ACTi Connecting Vision	ACTi Mini Bullet Camera Hardware Manual (A310, A311, A313, A314) Comprehensive hardware manual for ACTi's Mini Bullet Cameras (models A310, A311, A313, A314), covering installation, connectivity, and basic access procedures.
 Speed Dome Camera Hardware Manual Z954 2023-12-14 ACTi Connecting Vision	ACTi Z954 Speed Dome Camera Hardware Manual Comprehensive hardware manual for the ACTi Z954 Speed Dome Camera, detailing installation, connections, network configuration, safety precautions, and maintenance.

 Dome Camera Hardware Manual Z81, Z82, Z87 2023/09/28 ACTi Connecting Vision	ACTi Dome Camera Hardware Manual Z81, Z82, Z87 Comprehensive hardware manual for ACTi Z81, Z82, and Z87 dome cameras, detailing installation procedures, physical descriptions, package contents, regulatory compliance, and network access configuration.
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Documents - ACTi – A422

 Zoom Bullet Camera Hardware Manual A416, A418 A422, A423 2023/09/28 ACTi Connecting Vision	ACTi Zoom Bullet Camera Hardware Manual: A416, A418, A422, A423 This hardware manual provides comprehensive instructions for installing, connecting, and accessing ACTi Zoom Bullet Cameras, models A416, A418, A422, and A423. It covers setup procedures, physical descriptions, network configuration, and troubleshooting. lang:en score:42 filesize: 1.45 M page_count: 30 document date: 2023-09-28																														
 A422 4MP Zoom Bullet with D/N, IR, Extreme WDR, SLLS, 5x Zoom Lens • 4 Megapixel • Day & Night with Superior Low Light Sensitivity and IR LED • Extreme WDR • Super wide angle • Taiwan IoT Cybersecurity Certification Level 1 (TAICS) • Event trigger, response and notification ► Specifications <table><thead><tr><th colspan="2">Device</th></tr></thead><tbody><tr><td>Product Type</td><td>Zoom Bullet</td></tr><tr><td>Maximum Resolution</td><td>4MP</td></tr><tr><td>Application Environment</td><td>Outdoor</td></tr><tr><td>Image Sensor</td><td>Progressive Scan CMOS</td></tr><tr><td>Sensor Size</td><td>1/2.7"</td></tr><tr><td>Effective Pixels</td><td>3840(H) x 2160(V) (8MP)</td></tr><tr><td>Day/Night</td><td>Yes</td></tr><tr><td>Low Light Sensitivity</td><td>Superior</td></tr><tr><td>Minimum Illumination</td><td>Color: 0.001Lux, 0.001Lux (0.1Lux @ F1.2)</td></tr><tr><td>Microphone (IR Cut Filter)</td><td>Yes</td></tr><tr><td>IR LED</td><td>IR LED x 3 (3000nm)</td></tr><tr><td>IR Working Distance</td><td>80m</td></tr><tr><td>Electronic Shutter</td><td>1/50,000 (normal) (auto mode)</td></tr><tr><td>SNR Ratio</td><td>50dB</td></tr></tbody></table> www.acti.com Page 1 of 3	Device		Product Type	Zoom Bullet	Maximum Resolution	4MP	Application Environment	Outdoor	Image Sensor	Progressive Scan CMOS	Sensor Size	1/2.7"	Effective Pixels	3840(H) x 2160(V) (8MP)	Day/Night	Yes	Low Light Sensitivity	Superior	Minimum Illumination	Color: 0.001Lux, 0.001Lux (0.1Lux @ F1.2)	Microphone (IR Cut Filter)	Yes	IR LED	IR LED x 3 (3000nm)	IR Working Distance	80m	Electronic Shutter	1/50,000 (normal) (auto mode)	SNR Ratio	50dB	[pdf] User Manual Specifications Datasheet Accessories See DataSheet A422 4MP Zoom Bullet with D N IR Extreme WDR SLLS 5x Lens IP Cameras iComTech icomtechinc images product manual Zoom Bullet A422 4MP Zoom Bullet with D/N, IR, Extreme WDR, SLLS, 5x Zoom Lens 4 Megapixel Day Night with Superior Low Light Sensitivity and IR LED Extreme WDR Super wide angle Taiwan IoT Cybersecurity Certification Level 1 TAICS Event trigger, response and notification Specifications Device ... lang:en score:24 filesize: 483.72 K page_count: 5 document date: 0000-00-00
Device																															
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[\[pdf\]](#) Specifications Datasheet Accessories

ACTi A422 Datasheet A1 4MP Outdoor Bullet IP Security Camera with 2.7-13.5mm Lens and Built In IR x41ordl5 a1securitycameras content product documents 66323 |||

Zoom Bullet **A422** 4MP Deep Learning AI Zoom Bullet with D/N, IR, Extreme WDR, SLLS, 5x Zoom Lens 4 Megapixel Day Night with Superior Low Light Sensitivity and IR LED Extreme WDR 150dB Super wide angle Deep Learning AI Taiwan IoT Cybersecurity Certification Level 1 TAICS Event trigger, response...

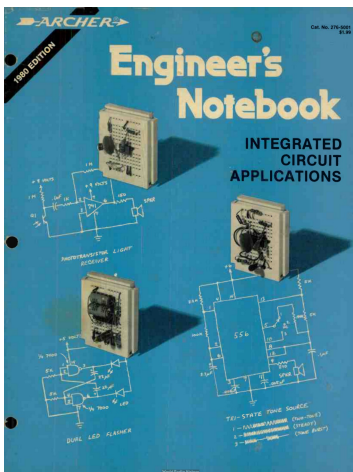
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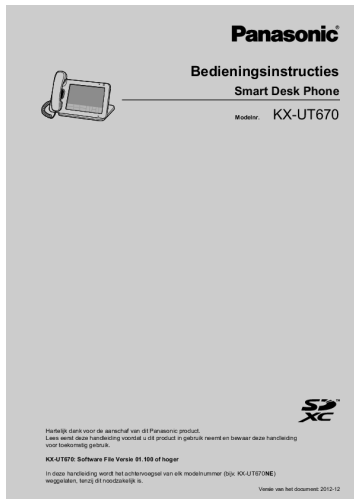


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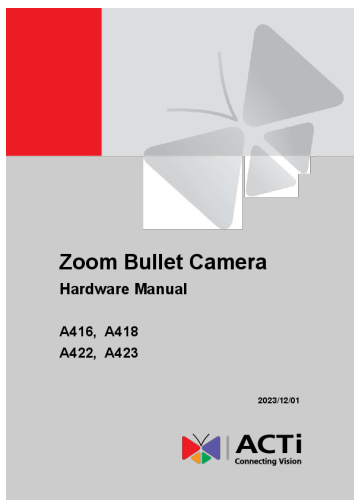


[\[pdf\]](#) Instructions

KX UT670NE Operating Instructions Panasonic System Networks Co Ltd PANASONIC UT670

HANDLEIDING phone master nl VOIP

Bedieningsinstructies Smart Desk Phone Modelnr. KX-UT670 Hartelijk dank voor de aanschaf van dit Pan ... ccessoires De volgende optionele accessoires zijn verkrijgbaar: AC adapter*1 Voor KX-UT670X: KX-**A422**CE PNLV228 /KX-**A422**UK PNLV228 / KX-**A422**AL PNLV228 /KX-**A422**X PNLV228 / KX-**A422**BR PNLV228 V... lang:nl **score:15** filesize: 7.47 M page_count: 154 document date: 2013-02-12



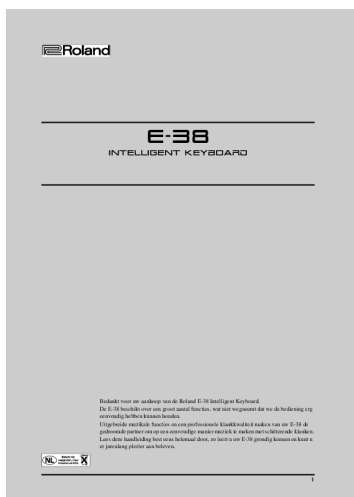
[\[pdf\]](#) User Manual Installation Guide Instructions

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Zoom Bullet Camera Hardware Manual A416, A418**A422**, A423 2023/12/01

Hardware Manual Table of Contents Precautions 4 Safety Instructions
..... 6 Introduction 7 List of Models.....

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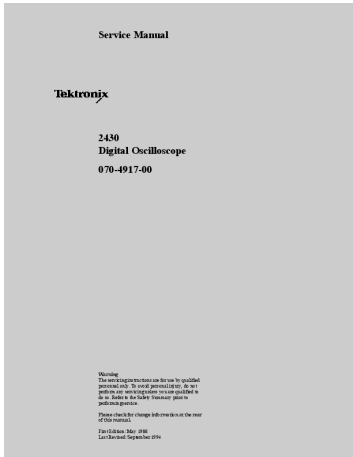
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Device	
Product Type	PuE Inserter
Description	High-Power, remote IEEE 802.3af compliant, 40W-240W, with universal connectors for A414, A418, DSI-1, DSI-2, PoE, PoE+, PoE++ (IEEE 802.3bt, 27.3W)
Network	
Ethernet Port	PuE 1 ports, Ethernet/10/100/1000 Base-T, RJ45 connector
General	
IEEE Standard	IEEE 802.3af, IEEE 802.3bt
PoE Output	Maximum 30 Watts (2 port)
Power Output	Class 3EN
Power Source	AC 100-240V, 40W/100/160/230A
Weight	240.5g (8.5oz)
Dimensions	114.6mm x 119.1mm x 62.5mm (4.51" x 4.71" x 2.46")
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)
Warranty	1 Year(s)

Device	
Product Type	PinC Injector
Description	High PinC injector IEEE-682 test equipment, AC 100-240V, with universal connectors for A416, A418, B913, B923, B934, Q458, Q459, W458-682, 231, 271, 2952
General	
Weight	20(kg (44lb))
Dimensions	3 x W x H: 50cm x 32.5cm x 140cm (21.7" x 12.8" x 55.1")

Bullet - Zoom Bullet	
AG22	4MP Zoom Bullet with GRS, IR, Extreme WDR, S.I.L.S. 4x Zoom lens, 7-13.5mm F1.6 (H2V 132° H 82°), H.265/H.264, 3D DNR, Audio, MicroSD/MicroSDHC/MicroSDXC, PoE/DC12V, IP68, IK10 (metal casing), 5000
AG23	4MP Zoom Bullet with GRS, IR, Extreme WDR, S.I.L.S. 4.3x Zoom lens, G + G-Net F1.6 (H2V 132° H 36°), H.265/H.264, 3D DNR, Audio, MicroSD/MicroSDHC/MicroSDXC, PoE/DC12V, IP68, IK10 (metal casing), 5000

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2430 Digital Oscilloscope Service Manual Tektronix 87a103b2d0d33d02ac48fe9682d9795e data2 manualslib 7 159 15831 1583003 tektronix |||

Service Manual Tektronix / 2430 Digital Oscilloscope 070-4917-00 Warning The servicing instructions ... R402 R403 R404 R405 R406 R407 R40e R409 R410 R411 R412 R413 R414 R415 R416 R417 R418 R419 A420 R421 **A422** A423 R424 R425 A426 R427 A428 R429 R474 R502 R506 A512 R524 AS29 R572 R580 A582 R584 R590 R592 ...

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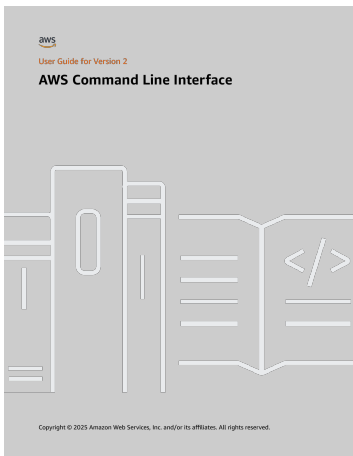
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Pour votre scurit, lisez attentivement ce manuel et gardez-le dans le vhicule. Infiniti G Coup 2013 ... re 2. Marque d emplacement de l in- dicateur d usure Usure et tat des pneus GUID-973CEC61-209F-4E9E-**A422**-6F36DFD5AF83 ATTENTION . Les pneus doivent tre vrifis rgulirement pour dcoder les traces d usur...

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[\[pdf\]](#) Quick Start Guide Guide

AWS Command Line Interface User Guide for Version 2 CLI homepage about examples resources configuration getting started AW Amazon Web Services Inc Remotely Run commands on Elastic Compute Cloud EC2 keyboard input is required can also be shown as replaceable aws cli docs amazon latest userguide |||

User Guide for Version 2 AWS Command Line Interface Copyright 2025 Amazon Web Services, Inc. and/or ... df , arn : arn:aws:lightsail:us- west- 2:111122223333:CloudFormationStackRecord/28d646ab-27bc-48d9-**a422**- 1EXAMPLE6d37 , createdAt : 1565301666.586, location : availabilityZone : all , regionNam...

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