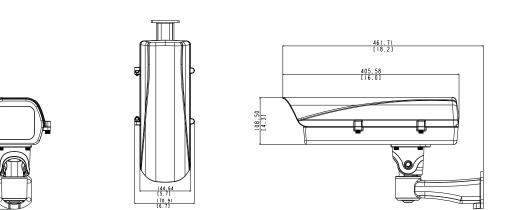
B421

3MP Video Analytics Zoom Bullet with D/N, Adaptive IR, Extreme WDR, SLLS, 36x Zoom Lens



- 3 Megapixel
- Day & Night with Superior Low Light Sensitivity and Adaptive IR LED
- 36x Zoom Lens with f4.6 mm ~ 165.6 mm / F1.55 ~ F5.0 with Auto Focus
- Extreme WDR (145 dB)
- 60 fps at 1920 x 1080
- Weatherproof (IP68) and Vandal Proof (IK10)
- Built-in Analytics

DIMENSION DIAGRAM



ACCESSORY OPTIONS

Power Supply



256.77

High PoE Injector IEEE 802.3at compliant, AC 100~240V, with universal connectors

Popular Mounting Solutions		
Wall	Accessories not required	
Pole	PMAX-0508	
Junction Box	PMAX-0704	

* For more mounting solutions, please refer to Project Planner on <u>www.acti.com</u>



Unit: mm [inch]

Bullet Camera



PRODUCT SPECIFICATION

Device

Device				
Device Type	Zoom Bullet Camera			
Image Sensor	Progressive Scan CMOS			
Sensor Size	1/2.8'			
Effective Pixels	2065 (H) X 1553 (V) (3.21 MP)			
Horizontal Resolution	1450 TVL			
Day / Night	Yes			
Low Light Sensitivity	Superior			
Minimum Illumination	Color: 0.1 lux at F1.55 (30 IRE, 2400 K) B/W: 0 lux at F1.55 (IR LED on)			
Color to B/W Switch	ISP based switch, configurable			
Mechanical IR Cut Filter	Yes			
IR LED	Adaptive IR LED			
IR Working Distance	150 m			
S/N Ratio	56 dB			
Lens				
Focal Length / Aperture	Zoom, f4.6 ~ 165.6 mm / F1.55 ~ F5.0			
Iris	DC Iris			
Zoom Ration	36x			
Focus	Auto Focus			
Mount Type	Board Mount			
Horizontal Viewing Angle	57.6° - 2.35°			
Vertical Viewing Angle	44.9° - 1.78°			
• Video				
Compression	H.265, H.264 (Baseline / Main / High profile), MJPEG			
Max. Frame Rate vs. Resolution	30 fps at 2048 x 1536 60 fps at 1920 x 1080 30 fps at 1280 x 960 60 fps at 1280 x 720 30 fps at 800 x 600 30 fps at 640 x 480 30 fps at 320 x 240			
Multi-Streaming	Simultaneous triple streams based on video configurations			
Bit Rate	128 Kbps ~ 12 Mbps (per stream)			
Bit Rate Mode	Constant, Variable			
Image Enhancement	Extreme WDR (145 dB), White Balance, Brightness, Contrast, Saturation, Sharpness, Automatic gain control, 2D+3D Digital Noise Reduction, Flickerless, Digital Image Stabilizer, Defogging			
Privacy Mask	32 configurable 3D privacy masks			
Text Overlay	Yes			
Built-in Analytics	Object Based Motion Detection, Tampering Detection, Sound Detection			
Image Orientation	Image Flip, Mirror and Rotation*			
• Audio				
Audio Type	2-way, Line-in, Line-out			
Compression	8kHz, Mono, PCM, 16 bit encoding, G.711			
• Network				
Protocol & Service	IPv4/v6, TCP, UDP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, NTP, RTP, RTSP, RTCP, SMTP, FTP, IGMP, ICMP, ARP, Bonjour, UPnP, QoS, SNMP, IEEE 802.1X			
Ethernet Port	1 RJ-45 connector			

| SecurityIP Address Filtering, HTTPS Encryption,
Password Protected User Level,
Anonymous Login,
EEE 802.1X Network Access Control• AlarmVideo Motion Detection (10 regions)
External Device through Digital Input
Sound DetectionAlarm TriggerVideo Motion Detection (10 regions)
External Device through Digital Input
Sound DetectionAlarm ResponseNotify control center
Go to Zoom preset point or preset tour
Change camera settings
Command other devices
E-mail notification to mobile device
Save video to local storage
Upload video to NVR server
Upload video

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Upload video to NVR server
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Software Development Kit (SDK) available,
ONVIF compliant (Profile S, Profile G),
B282181 compliantSoftware Development Kit (SDK) available,
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Serial PortLocal Storage
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Pole MountFanYesHeaterYesStarting Temperature-30°C ~ 60°C (-22°F ~ 140°F)Operating Temperature-40°C ~ 60°C (-40°F ~ 140°F)Operating Humidity10% ~ 85% RHApprovalsCE, FCC, IP68, NEMA 4X, IK10 (metal
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External Device through Digital Input
Sound DetectionAlarm TriggerNotify control center
G to Zoom preset point or preset tour
Change camera settings
Command other devices
E-mail notification to mobile device
Save video to local storage
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Upload video or snapshot to FTP server
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GB28181 compliantFirmware Access BrowserMicrosoft Internet Explorer 11Auto Firmware UpgradeYes | Environmental Casing | | Mount TypePole MountFanYesHeaterYesStarting Temperature-30°C ~ 60°C (-22°F ~ 140°F)Operating Temperature-40°C ~ 60°C (-40°F ~ 140°F)Operating Humidity10% ~ 85% RHApprovalsCE, FCC, IP68, NEMA 4X, IK10 (metal casing), UL (for optional PoE injector and power adapter)• IntegrationFully compatible with ACTi softwareISV IntegrationFully compatible with ACTi softwareFirmware Access BrowserMicrosoft Internet Explorer 11Auto Firmware UpgradeYes | Bundled Accessories | Integrated Bracket | HeaterYesStarting Temperature-30°C ~ 60°C (-22°F ~ 140°F)Operating Temperature-40°C ~ 60°C (-40°F ~ 140°F)Operating Humidity10% ~ 85% RHApprovalsCE, FCC, IP68, NEMA 4X, IK10 (metal
casing), UL (for optional PoE injector and
power adapter)• IntegrationFully compatible with ACTi softwareUnified SolutionFully compatible with ACTi softwareISV IntegrationSoftware Development Kit (SDK) available,
ONVIF compliant (Profile S, Profile G),
GB28181 compliantFirmware Access BrowserMicrosoft Internet Explorer 11Auto Firmware UpgradeYes | Mount Type | | Starting Temperature-30°C ~ 60°C (-22°F ~ 140°F)Operating Temperature-40°C ~ 60°C (-40°F ~ 140°F)Operating Humidity10% ~ 85% RHApprovalsCE, FCC, IP68, NEMA 4X, IK10 (metal
casing), UL (for optional PoE injector and
power adapter)• IntegrationUnified SolutionISV IntegrationFully compatible with ACTi software
Software Development Kit (SDK) available,
ONVIF compliant (Profile S, Profile G),
GB28181 compliantFirmware Access BrowserMicrosoft Internet Explorer 11
Yes | Fan | Yes | Operating Temperature -40°C ~ 60°C (-40°F ~ 140°F) Operating Humidity 10% ~ 85% RH Approvals CE, FCC, IP68, NEMA 4X, IK10 (metal casing), UL (for optional PoE injector and power adapter) • Integration Fully compatible with ACTi software Unified Solution Fully compatible with ACTi software ISV Integration Software Development Kit (SDK) available, ONVIF compliant (Profile S, Profile G), GB28181 compliant Firmware Access Browser Microsoft Internet Explorer 11 Auto Firmware Upgrade Yes | Heater | Yes | Operating Humidity 10% ~ 85% RH Approvals CE, FCC, IP68, NEMA 4X, IK10 (metal casing), UL (for optional PoE injector and power adapter) • Integration Fully compatible with ACTi software Unified Solution Fully compatible with ACTi software ISV Integration Software Development Kit (SDK) available, ONVIF compliant (Profile S, Profile G), GB28181 compliant Firmware Access Browser Microsoft Internet Explorer 11 Auto Firmware Upgrade Yes | | | Approvals CE, FCC, IP68, NEMA 4X, IK10 (metal casing), UL (for optional PoE injector and power adapter) • Integration Fully compatible with ACTi software Unified Solution Fully compatible with ACTi software ISV Integration Software Development Kit (SDK) available, ONVIF compliant (Profile S, Profile G), GB28181 compliant Firmware Access Browser Microsoft Internet Explorer 11 Auto Firmware Upgrade Yes | | | Approvalscasing), UL (for optional PoE injector and
power adapter)• IntegrationFully compatible with ACTi softwareUnified SolutionFully compatible with ACTi softwareISV IntegrationSoftware Development Kit (SDK) available,
ONVIF compliant (Profile S, Profile G),
GB28181 compliantFirmware Access BrowserMicrosoft Internet Explorer 11Auto Firmware UpgradeYes | Operating Humidity | | Integration Unified Solution Fully compatible with ACTi software Software Development Kit (SDK) available, ONVIF compliant (Profile S, Profile G), GB28181 compliant Firmware Access Browser Microsoft Internet Explorer 11 Auto Firmware Upgrade Yes | Approvals | casing), UL (for optional PoE injector and | Unified Solution Fully compatible with ACTi software ISV Integration Software Development Kit (SDK) available,
ONVIF compliant (Profile S, Profile G),
GB28181 compliant Firmware Access Browser Microsoft Internet Explorer 11 Auto Firmware Upgrade Yes | | | | ISV IntegrationSoftware Development Kit (SDK) available,
ONVIF compliant (Profile S, Profile G),
GB28181 compliantFirmware Access BrowserMicrosoft Internet Explorer 11Auto Firmware UpgradeYes | | Fully compatible with ACTi software | GB28181 compliant Firmware Access Browser Microsoft Internet Explorer 11 Auto Firmware Upgrade Yes | | | Auto Firmware Upgrade Yes | ISV Integration | | | Firmware Access Browser | Microsoft Internet Explorer 11 | GPS Position Manual Setting | Auto Firmware Upgrade | Yes | | GPS Position | Manual Setting |
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| EEE 802.1X Network Access Control• AlarmAlarm TriggerVideo Motion Detection (10 regions)
External Device through Digital Input
Sound DetectionAlarm TriggerNotify control center
G to Zoom preset point or preset tour
Change camera settings
Command other devices
E-mail notification to mobile device
Save video to local storage
Upload video to NVR server
Upload video or snapshot to FTP server
Activate external device through digital
output• Interface2, Terminal blockDigital Input2, Terminal blockDigital Output2, Terminal blockSerial Port1, RS-485 / RS-422Local StorageMicroSDHC, MicroSDXC memory card slot
(card not included)• CeneralVestherproof (IP68 rated)
Vandal Proof (IK10 rated)Power Source / ConsumptionHigh PoE (IEEE802.3at) / 25.5W,
DC 12V (dapter not included)Environmental CasingWeatherproof (IR68 rated)
Vandal Proof (IK10 rated)Bundled AccessoriesIntegrated BracketMount Type-30°C ~ 60°C (-22°F ~ 140°F)Poperating Temperature-30°C ~ 60°C (-40°F ~ 140°F)Operating Temperature-30°C

 | Security | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Alarm TriggerVideo Motion Detection (10 regions)
External Device through Digital Input
Sound DetectionAlarm TriggerNotify control center
Go to Zoom preset point or preset tour
Change camera settings
Command other devices
E-mail notification with snapshots
Push notification to mobile device
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(card not included)• GeneralPower Source / ConsumptionHigh PoE (IEEE802.3at) / 25.5W,
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Vandal Proof (IK10 rated)Bundled AccessoriesIntegrated BracketMount Type-30°C ~ 60°C (-40°F ~ 140°F)Operating Temperature-30°C ~ 60°C (-40°F ~ 140°F)Operating Temperature-40°C ~ 60°C (-40°F ~ 140°F)Operating Temperature-50°C C -60°C (-40°F ~ 140°F)Operating Temperature-50°C C -60°C (-40°F ~ 140°F

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| Alarm TriggerExternal Device through Digital Input
Sound DetectionNotify control center
Go to Zoom preset point or preset tour
Change camera settings
Command other devices
E-mail notification with snapshots
Push notification to mobile device
Save video to local storage
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casing), UL (for optional POE injector and
power adapter)• IntegrationFully compatible with ACTi softwareISV IntegrationFully compatible with ACTi softwareSoftware Development Kit (SDK) available,
ONVIF compliant (Profile S, Profile G),
GB28181 compliantFirmware Access BrowserM

 | • Alarm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Sound DetectionAlarm ResponseNotify control center
Go to Zoom preset point or preset tour
Change camera settings
Command other devices
E-mail notification with snapshots
Push notification to mobile device
Save video to local storage
Upload video to NVR server
Upload video to Storage
Upload video to Storage
Upload video to Storage
Upload video to NVR server
Upload video to Storage
Upload video to Storage
Upload video to Storage
Upload video to Storage
Upload video to Storage
Serial PortDigital Nutut
Digital Output
Serial Port2, Terminal block
Serial PortLocal Storage
Environmental CasingMicroSDHC, MicroSDXC memory card slot
(card not included)Environmental Casing
Bundled AccessoriesHigh POE (IEEE802.3at) / 25.5W,
DC 12V (adapter not included)Fan
HeaterYesStarting Temperature
Operating Temperature-30°C ~ 60°C (-22°F ~ 140°F)Operating Temperature
Operating Temperature-30°C ~ 60°C (-22°F ~ 140°F)Operating Temperature
Operating Temperature-30°C ~ 60°C (-40°F ~ 140°F)Operating Temperature
Operating Temperature-20°C ~ 60°C (-40°F ~ 140°F)Operating Temperature
Operating Temperature-30°C ~ 60°C (-40°F ~ 140°F)Operating Te

 | | Video Motion Detection (10 regions) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Alarm ResponseNotify control center
Go to Zoom preset point or preset tour
Change camera settings
Command other devices
E-mail notification with snapshots
Push notification to mobile device
Save video to local storage
Upload video or snapshot to FTP server
Activate external device through digital
output• InterfaceDigital Input2, Terminal blockDigital Output2, Terminal blockSerial Port1, RS-485 / RS-422Local StorageWicroSDHC, MicroSDXC memory card slot
(card not included)• GeneralHigh PoE (IEEE802.3at) / 25.5W,
DC 12V (adapter not included)Power Source / ConsumptionHigh PoE (IEEE802.3at) / 25.5W,
DC 12V (adapter not included)Environmental CasingWeatherproof (IP68 rated)
Yandal Proof (IR10 rated)Bundled AccessoriesIntegrated BracketMount Type-30°C ~ 60°C (-22°F ~ 140°F)Operating Temperature-40°C ~ 60°C (-40°F ~ 140°F)Operating Temperature-30°C ~ 60°C (-22°F ~ 140°F)Operating Temperature-40°C ~ 60°C (-22°F ~ 140°F)Operating Temperature0% c 65% RHApprovalsCE, FCC, IP68, NEMA 4X, IK10 (metal
casing), UL (for optional PoE injector and
power adapter)• IntegrationFully compatible with ACTi softwareISV IntegrationFully compatible with ACTi softwareSyl IntegrationSoftware Development Kit (SDK) available,
ONVIF compliant (Profile S, Profile G),
GB28181 compliantFirmware Access BrowserMicrosoft Internet Explorer 11Auto Firmware UpgradeYes

 | Alarm Trigger | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Alarm ResponseGo to Zoom preset point or preset tour
Change camera settings
Command other devices
E-mail notification with snapshots
Push notification to mobile device
Save video to local storage
Upload video or NVR server
Upload video to NVR server
Activate external device through digital
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(card not included)• GeneralPower Source / ConsumptionHigh PoE (IEEE802.3at) / 25.5W,
DC 12V (adapter not included)Environmental CasingWeatherproof (IP68 rated)
Vandal Proof (IK10 rated)Bundled AccessoriesIntegrated BracketMount TypeYesHeaterYesHeaterYesApprovalsCE, FCC, IP68, NEMA 4X, IK10 (metal
casing), UL (for optional PoE injector and
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power), UL (for optional PoE injector and
power), UVIF compliant (Profile S, Profile G),
GB28181 compliantSoftware Development Kit (SDK) available,
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GB28181 compliantFirmware Access BrowserMicrosoft Internet Explorer 11
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| Alarm ResponseCommand other devices
E-mail notification with snapshots
Push notification to mobile device
Save video to local storage
Upload video or snapshot to FTP server
Activate external device through digital
output• InterfaceDigital Input2, Terminal blockDigital Output2, Terminal blockSerial Port1, RS-485 / RS-422Local StorageMicroSDHC, MicroSDXC memory card slot
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power adapter)Inified SolutionFully compatible with ACT is oftwareISV IntegrationSoftware Development Kit (SDK) available,
ONVIF compliant (Profile S, Profile G),
GB28181 compliantFirmware Access BrowserMicrosoft Internet Explorer 11Auto Firmware UpgradeYes

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| Alarm ResponseE-mail notification with snapshots
Push notification to mobile device
Save video to local storage
Upload video to NVR server
Upload video to NVR server
Activate external device through digital
output• InterfaceDigital Input2, Terminal blockDigital Output2, Terminal blockSerial Port1, RS-485 / RS-422Local StorageMicroSDHC, MicroSDXC memory card slot
(card not included)• GeneralPower Source / ConsumptionHigh PoE (IEEE802.3at) / 25.5W,
DC 12V (adapter not included)Environmental CasingWeatherproof (IP68 rated)
Vandal Proof (IK10 rated)Bundled AccessoriesIntegrated BracketMount TypeValFanYesHeaterYesStarting Temperature-30°C - 60°C (-40°F ~ 140°F)Operating Temperature-40°C ~ 60°C (-40°F ~ 140°F)Operating Temperature2CE, FCC, IP68, NEMA 4X, IK10 (metal
casing), UL (for optional PoE injector and
power adapter)Inified SolutionFully compatible with ACTi softwareISV IntegrationSoftware Development Kit (SDK) available,
ONVIF compliant (Profile S, Profile G),
GB28181 compliantFirmware Access BrowserMicrosoft Internet Explorer 11Auto Firmware UpgradeYes

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| Alarm ResponsePush notification to mobile device
Save video to local storage
Upload video to NVR server
Activate external device through digital
output• InterfaceDigital Input2, Terminal blockDigital Output2, Terminal blockSerial Port1, RS-485 / RS-422Local StorageMicroSDHC, MicroSDXC memory card slot
(card not included)• GeneralPower Source / ConsumptionHigh PoE (IEEE802.3at) / 25.5W,
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casing), UL (for optional PoE injector and
power adapter)IntegrationFully compatible with ACTi softwareISV IntegrationFully compatible with CP0 file S, Profile G),
GB28181 compliantFirmware Access BrowserMicrosoft Internet Explorer 11Auto Firmware UpgradeYes

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| Upload video to NVR server
Upload video or snapshot to FTP server
Activate external device through digital
output• InterfaceDigital Input2, Terminal blockDigital Output2, Terminal blockSerial Port1, RS-485 / RS-422Local StorageMicroSDHC, MicroSDXC memory card slot
(card not included)• GeneralPower Source / ConsumptionHigh POE (IEEE802.3at) / 25.5W,
DC 12V (adapter not included)Environmental CasingWeatherproof (IP68 rated)
Vandal Proof (IK10 rated)Bundled AccessoriesIntegrated BracketMount TypeWall Mount
Pole MountFanYesStarting Temperature-30°C ~ 60°C (-22°F ~ 140°F)Operating Temperature-40°C ~ 60°C (-40°F ~ 140°F)Operating Temperature-20°C ~ 60°C (-40°F ~ 140°F)Operating Temperature-20°C ~ 60°C (-40°F ~ 140°F)ApprovalsCE, FCC, IP68, NEMA 4X, IK10 (metal
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power adapter)Inified SolutionFully compatible with ACTi softwareISV IntegrationSoftware Development Kit (SDK) available,
ONVIF compliant (Profile S, Profile G),
GB28181 compliantFirmware Access BrowserMicrosoft Internet Explorer 11Auto Firmware UpgradeYes

 | Alarm Response | • | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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output• InterfaceDigital Input2, Terminal blockDigital Output2, Terminal blockSerial Port1, RS-485 / RS-422Local StorageMicroSDHC, MicroSDXC memory card slot
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ONVIF compliant (Profile S, Profile G),
GB28181 compliantFirmware Access BrowserMicrosoft Internet Explorer 11Auto Firmware UpgradeYes

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(card not included)• GeneralPower Source / ConsumptionHigh PoE (IEEE802.3at) / 25.5W,
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ONVIF compliant (Profile S, Profile G),
GB28181 compliantFirmware Access BrowserMicrosoft Internet Explorer 11Auto Firmware UpgradeYes

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| Digital Input2, Terminal blockDigital Output2, Terminal blockSerial Port1, RS-485 / RS-422Local StorageMicroSDHC, MicroSDXC memory card slot
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| Digital Output2, Terminal blockSerial Port1, RS-485 / RS-422Local StorageMicroSDHC, MicroSDXC memory card slot
(card not included)• GeneralPower Source / ConsumptionHigh PoE (IEEE802.3at) / 25.5W,
DC 12V (adapter not included)Environmental CasingWeatherproof (IP68 rated)
Vandal Proof (IK10 rated)Bundled AccessoriesIntegrated BracketMount TypeWall Mount
Pole MountFanYesHeaterYesStarting Temperature-30°C ~ 60°C (-22°F ~ 140°F)Operating Temperature-40°C ~ 60°C (-40°F ~ 140°F)Operating Humidity10% ~ 85% RHApprovalsCE, FCC, IP68, NEMA 4X, IK10 (metal
casing), UL (for optional PoE injector and
power adapter)Unified SolutionFully compatible with ACTi softwareISV IntegrationSoftware Development Kit (SDK) available,
ONVIF compliant (Profile S, Profile G),
GB28181 compliantFirmware Access BrowserMicrosoft Internet Explorer 11Auto Firmware UpgradeYes

 | Interface | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Serial Port1, RS-485 / RS-422Local StorageMicroSDHC, MicroSDXC memory card slot
(card not included)• GeneralPower Source / ConsumptionHigh PoE (IEEE802.3at) / 25.5W,
DC 12V (adapter not included)Environmental CasingWeatherproof (IP68 rated)
Vandal Proof (IK10 rated)Bundled AccessoriesIntegrated BracketMount TypeWall Mount
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power adapter)INified SolutionFully compatible with ACTi softwareISV IntegrationSoftware Development Kit (SDK) available,
ONVIF compliant (Profile S, Profile G),
GB28181 compliantFirmware Access BrowserMicrosoft Internet Explorer 11Auto Firmware UpgradeYes

 | Digital Input | 2, Terminal block | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Local StorageMicroSDHC, MicroSDXC memory card slot
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ONVIF compliant (Profile S, Profile G),
GB28181 compliantFirmware Access BrowserMicrosoft Internet Explorer 11Auto Firmware UpgradeYes

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| Local storage(card not included)• GeneralPower Source / ConsumptionHigh PoE (IEEE802.3at) / 25.5W,
DC 12V (adapter not included)Environmental CasingWeatherproof (IP68 rated)
Vandal Proof (IK10 rated)Bundled AccessoriesIntegrated BracketMount TypeWall Mount
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ONVIF compliant (Profile S, Profile G),
GB28181 compliantFirmware Access BrowserMicrosoft Internet Explorer 11Auto Firmware UpgradeYes

 | Serial Port | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Power Source / ConsumptionHigh PoE (IEEE802.3at) / 25.5W,
DC 12V (adapter not included)Environmental CasingWeatherproof (IP68 rated)
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Pole MountFanYesHeaterYesStarting Temperature-30°C ~ 60°C (-22°F ~ 140°F)
Operating TemperatureOperating Temperature-40°C ~ 60°C (-40°F ~ 140°F)Operating Humidity10% ~ 85% RHApprovalsCE, FCC, IP68, NEMA 4X, IK10 (metal
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power adapter)Unified SolutionFully compatible with ACTi softwareISV IntegrationSoftware Development Kit (SDK) available,
ONVIF compliant (Profile S, Profile G),
GB28181 compliantFirmware Access BrowserMicrosoft Internet Explorer 11Auto Firmware UpgradeYes

 | Local Storage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Power Source / ConsumptionDC 12V (adapter not included)Environmental CasingWeatherproof (IP68 rated)
Vandal Proof (IK10 rated)Bundled AccessoriesIntegrated BracketMount TypeWall Mount
Pole MountFanYesHeaterYesStarting Temperature-30°C ~ 60°C (-22°F ~ 140°F)Operating Temperature-40°C ~ 60°C (-40°F ~ 140°F)Operating Temperature-40°C ~ 60°C (-40°F ~ 140°F)Operating Humidity10% ~ 85% RHApprovalsCE, FCC, IP68, NEMA 4X, IK10 (metal
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power adapter)• IntegrationFully compatible with ACTi softwareISV IntegrationSoftware Development Kit (SDK) available,
ONVIF compliant (Profile S, Profile G),
GB28181 compliantFirmware Access BrowserMicrosoft Internet Explorer 11Auto Firmware UpgradeYes

 | • General | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Environmental CasingVandal Proof (IK10 rated)Bundled AccessoriesIntegrated BracketMount TypeWall Mount
Pole MountFanYesHeaterYesStarting Temperature-30°C ~ 60°C (-22°F ~ 140°F)Operating Temperature-40°C ~ 60°C (-40°F ~ 140°F)Operating Humidity10% ~ 85% RHApprovalsCE, FCC, IP68, NEMA 4X, IK10 (metal
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power adapter)Unified SolutionFully compatible with ACTi softwareISV IntegrationSoftware Development Kit (SDK) available,
ONVIF compliant (Profile S, Profile G),
GB28181 compliantFirmware Access BrowserMicrosoft Internet Explorer 11Auto Firmware UpgradeYes

 | Power Source / Consumption | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Mount TypeWall Mount
Pole MountFanYesHeaterYesStarting Temperature-30°C ~ 60°C (-22°F ~ 140°F)Operating Temperature-40°C ~ 60°C (-40°F ~ 140°F)Operating Humidity10% ~ 85% RHApprovalsCE, FCC, IP68, NEMA 4X, IK10 (metal
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power adapter)• IntegrationFully compatible with ACTi softwareISV IntegrationFully compliant (Profile S, Profile G),
GB28181 compliantFirmware Access BrowserMicrosoft Internet Explorer 11Auto Firmware UpgradeYes

 | Environmental Casing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Mount TypePole MountFanYesHeaterYesStarting Temperature-30°C ~ 60°C (-22°F ~ 140°F)Operating Temperature-40°C ~ 60°C (-40°F ~ 140°F)Operating Humidity10% ~ 85% RHApprovalsCE, FCC, IP68, NEMA 4X, IK10 (metal casing), UL (for optional PoE injector and power adapter)• IntegrationFully compatible with ACTi softwareISV IntegrationFully compatible with ACTi softwareFirmware Access BrowserMicrosoft Internet Explorer 11Auto Firmware UpgradeYes

 | Bundled Accessories | Integrated Bracket | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| HeaterYesStarting Temperature-30°C ~ 60°C (-22°F ~ 140°F)Operating Temperature-40°C ~ 60°C (-40°F ~ 140°F)Operating Humidity10% ~ 85% RHApprovalsCE, FCC, IP68, NEMA 4X, IK10 (metal
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power adapter)• IntegrationFully compatible with ACTi softwareUnified SolutionFully compatible with ACTi softwareISV IntegrationSoftware Development Kit (SDK) available,
ONVIF compliant (Profile S, Profile G),
GB28181 compliantFirmware Access BrowserMicrosoft Internet Explorer 11Auto Firmware UpgradeYes

 | Mount Type | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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power adapter)• IntegrationUnified SolutionISV IntegrationFully compatible with ACTi software
Software Development Kit (SDK) available,
ONVIF compliant (Profile S, Profile G),
GB28181 compliantFirmware Access BrowserMicrosoft Internet Explorer 11
Yes

 | Fan | Yes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Operating Temperature -40°C ~ 60°C (-40°F ~ 140°F) Operating Humidity 10% ~ 85% RH Approvals CE, FCC, IP68, NEMA 4X, IK10 (metal casing), UL (for optional PoE injector and power adapter) • Integration Fully compatible with ACTi software Unified Solution Fully compatible with ACTi software ISV Integration Software Development Kit (SDK) available, ONVIF compliant (Profile S, Profile G), GB28181 compliant Firmware Access Browser Microsoft Internet Explorer 11 Auto Firmware Upgrade Yes

 | Heater | Yes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Operating Humidity 10% ~ 85% RH Approvals CE, FCC, IP68, NEMA 4X, IK10 (metal casing), UL (for optional PoE injector and power adapter) • Integration Fully compatible with ACTi software Unified Solution Fully compatible with ACTi software ISV Integration Software Development Kit (SDK) available, ONVIF compliant (Profile S, Profile G), GB28181 compliant Firmware Access Browser Microsoft Internet Explorer 11 Auto Firmware Upgrade Yes

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| Approvals CE, FCC, IP68, NEMA 4X, IK10 (metal casing), UL (for optional PoE injector and power adapter) • Integration Fully compatible with ACTi software Unified Solution Fully compatible with ACTi software ISV Integration Software Development Kit (SDK) available, ONVIF compliant (Profile S, Profile G), GB28181 compliant Firmware Access Browser Microsoft Internet Explorer 11 Auto Firmware Upgrade Yes

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| Approvalscasing), UL (for optional PoE injector and
power adapter)• IntegrationFully compatible with ACTi softwareUnified SolutionFully compatible with ACTi softwareISV IntegrationSoftware Development Kit (SDK) available,
ONVIF compliant (Profile S, Profile G),
GB28181 compliantFirmware Access BrowserMicrosoft Internet Explorer 11Auto Firmware UpgradeYes

 | Operating Humidity | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Integration Unified Solution Fully compatible with ACTi software Software Development Kit (SDK) available, ONVIF compliant (Profile S, Profile G), GB28181 compliant Firmware Access Browser Microsoft Internet Explorer 11 Auto Firmware Upgrade Yes

 | Approvals | casing), UL (for optional PoE injector and | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Unified Solution Fully compatible with ACTi software ISV Integration Software Development Kit (SDK) available,
ONVIF compliant (Profile S, Profile G),
GB28181 compliant Firmware Access Browser Microsoft Internet Explorer 11 Auto Firmware Upgrade Yes

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| ISV IntegrationSoftware Development Kit (SDK) available,
ONVIF compliant (Profile S, Profile G),
GB28181 compliantFirmware Access BrowserMicrosoft Internet Explorer 11Auto Firmware UpgradeYes

 | | Fully compatible with ACTi software | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| GB28181 compliant Firmware Access Browser Microsoft Internet Explorer 11 Auto Firmware Upgrade Yes

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| Auto Firmware Upgrade Yes

 | ISV Integration | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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 | Firmware Access Browser | Microsoft Internet Explorer 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| GPS Position Manual Setting

 | Auto Firmware Upgrade | Yes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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 | GPS Position | Manual Setting | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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* To be available through future firmware upgrade.

