



Indoor/Outdoor 3MP Motorized PTZ Dome Mira IP Camera

TV-IP420P (v2.0R)

- Easy Cloud P2P QR code installation
- 3MP HD video (2048 x 1536) at 30 fps
- Motorized Pan/Tilt
- 4x Optical zoom range with auto focusing
- Program motion detection recording and email alerts
- Micro SD card slot (up to 128GB)
- Free Mira iOS® and Android™ mobile app

TRENDnet's Indoor/Outdoor 3MP Motorized PTZ Dome Mira IP Camera, model TV-IP420P, provides PTZ and powerful 3MP resolution in low-light environments. This PTZ IP camera delivers year-round surveillance with an IP66 weather rated housing to withstand harsh outdoor environments. Use the included complimentary Mira software and mobile apps to view live video up to 350° with the motorized pan tilt function.



HD Surveillance

Featuring a powerful 3MP video with 4x optical and 16x digital zoom support.



Motorized PTZ

Motorized 350° pan and 90° tilt, with user defined 3D zoom within the web interface.



QR Code Installation

Download the Mira app and scan the QR code of the camera to instantly add it to your network.

FEATURES



3 Megapixel

Record up to 3MP HD video (2048 x 1536) at 30 fps with H.264 compression format



PoE

Save installation costs with Power over Ethernet (PoE)



Outdoor Ready

The outdoor PTZ camera is built for everyday environments with an IP66 weather rated housing



Storage

Record video from the PTZ IP camera to a network storage device or to a Micro SD card (up to 128GB not included)



Motion Detection

Create custom motion detection zones to record video and send email notifications when a zone is triggered



Tamper Detection

Create custom tamper detection zones to send email notifications when the PTZ IP camera view has been obstructed



Mira Software

Complimentary Mira software to manage TRENDnet cameras



Digital Wide Dynamic Range (D-WDR)

Adjustable D-WDR setting on the PTZ camera improves image quality and focus when the camera is exposed to high contrast lighting environments by enhancing the dark areas of the image to make them more visible



Recording Flexibility

Define custom schedules using continuous (24/7) and event-based recording modes



Mira Apps

View live video from the PTZ IP camera on a mobile device with free Mira iOS® and Android™ apps



SPECIFICATIONS

Lens

- Focal length: 2.8 - 12mm
- Focal depth: 10 – 1,500mm (Wide - Tele)
- Aperture: F1.6 – 2.7 (Wide - Tele)
- Sensor: 1/2.8" Progressive Scan CMOS
- Focus: auto, semi-auto, and manual
- Iris control: auto and manual

Viewing Angle

- 105° – 33.5° (Wide – Tele)

Zoom

- Optical: 4x
- Digital: 16x

Pan/Tilt

- Pan: 0° – 350°
- Tilt: 0° – 90°
- Pan speed: (manual) 0.1° – 60°/s, (preset) 60°/s
- Tilt speed: (manual) 0.1° – 50°/s, (preset) 50°/s
- Number of presets: 256
- Patrol: 8 patrols, up to 32 presets per patrol

Video

- Digital Wide Dynamic Range (D-WDR)
- Backlight Compensation (BLC)
- 3D Digital Noise Reduction (DNR)
- Shutter speed: 1 – 1/10,000s
- H.264 resolution: 2048 x 1536 up to 30fps
- H.265 resolution: 2048 x 1536 up to 30fps
- MJPEG resolution: 704 x 576 up to 30fps

Audio

- 2-way audio supported (mic and speaker not included)
- External microphone line in / speaker line out

I/O

- External input / output for alarm installation

Micro SD

- Up to 128GB micro SD card support

Hardware Standards

- IEEE 802.1x
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3af

Device Interface

- 1 x 10/100Mbps PoE port
- 1 x Power connector (for non-PoE installation)
- Audio wires (in / out / ground)
- Alarm wires (in / out / ground)
- 1 x Micro SD card slot (Max. 128GB)

Input / Output

- Alarm input: 1 (0 – 5V DC)
- Alarm output: 1 relay output
- Audio input: 1 audio line in, 2 – 2.4V; impedance: 1000Ω, ± 10%
- Audio output: 1 output line out, impedance: 600 Ω

Housing

- IP66
- TVS 4,000V lightning, surge, and voltage transient protection

Management Interface

- Multi-language support: English, French, German, Spanish, and Portuguese
 - Image settings: Brightness, Contrast, Saturation, Sharpness, Exposure Time, image Gain, Day/Night switch. Smart Supplement Light (Smart IR), BLC, D-WDR, white balance, Digital Noise Reduction, Mirror, Rotate, Scene Mode, Video Standard
 - D-WDR enhances video quality in high contrast daytime lighting
 - Digital Noise Reduction removes digital noise from the video signal
 - Recording: to computer, or SAMBA share
 - Time, date, and text overlay
 - IP Address Filter
 - Basic Events: Motion Detection, Video Tampering, Alarm Triggering
 - Smart Events: Audio Exception, Intrusion, Line Crossing, Region Entrance, Region Exiting, Unattended Baggage and Object Removal Detections
 - Video masks: define custom video masks
 - Tamper detection function: email notification
 - Snapshot: real time snapshot and motion triggered
 - Supported dynamic DNS services: dyn.com and no-ip.com
 - Supports remote management
 - Compatible browsers: Chrome™ (live view resolution up to 2048 x 1536 with limited support), Internet Explorer® (live view resolution up to 2048 x 1536)
- ### Network Protocol
- IPv4, IPv6, UDP, TCP, IGMP, ICMP
 - DHCP, NTP, DNS, DDNS, SMTP, FTP, SNMP (v1, v2c, v3)
 - CIFS/SMB, NFS
 - HTTP, HTTPS
 - PPPoE
 - UPnP, RTSP, RTP

Compliant Standard

- ONVIF (Profile S)

Operating Temperature

- 30 – 65 °C (-22 – 149 °F)

Operating Humidity

- Max. 90% non-condensing

Certifications

- CE
- FCC

Dimensions

- 140 x 140 x 107mm (5.5 x 5.5 x 4.2 in.)

Weight

- 0.93kg (2.05 lbs.)

Power

- Input: PoE (IEEE 802.3af)
- Max. consumption: 8W

Power Adapter (optional model: 12VDC1A)

- Input: 100 – 240V AC , 50/60Hz
- Output: 12V DC, 1A external power adapter

TRENDnet Mira VMS

- Supports TRENDnet cameras
- Set recording options (motion detection, schedule, event trigger)
- Search and playback
- Custom viewing modes and options
- Compatibility: Windows® and Mac®

TRENDnet Mira App

- Free iOS® and Android™ apps
- View live camera video
- Push notifications
- Take snapshots and videos
- Playback
- Share live view with family members or friends

Warranty

- 3 year

Package Contents

- TV-IP420P
- Weather seal
- Quick Installation Guide
- Camera mounting hardware