



## Indoor/Outdoor 1MP H.264 PoE IR Bullet Network Camera

TV-IP324PI (v1.0R)

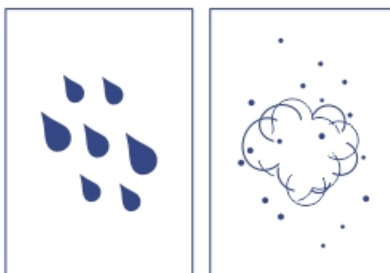
- 1MP 720p HD resolution
- Night vision up to 30 meters (98 ft.)
- Outdoor IP67 weather rating
- Save installation costs with Power over Ethernet (PoE)
- Digital Wide Dynamic Range image balancing
- Program motion detection with email alerts
- Free iOS® and Android™ mobile apps

TRENDnet's Indoor/Outdoor 1MP H.264 PoE IR Bullet Network Camera, model TV-IP324PI, provides day and night surveillance with a night vision range of up to 30 meters (98 ft.) This IR bullet network camera delivers year-round surveillance with an IP67 weather rated housing designed for outdoor environments. View 1MP video (1280 x 720) at 30 fps in a bandwidth saving H.264 compression format with included complimentary software and mobile apps.



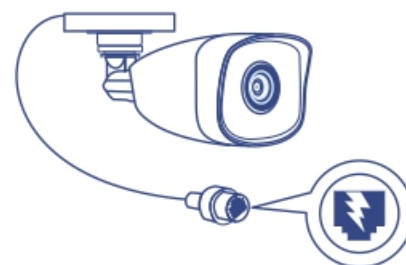
### Day/Night HD Surveillance

View 1MP 720p HD video in H.264 compression and 30m night vision provides 24-hour surveillance.



### Outdoor Ready

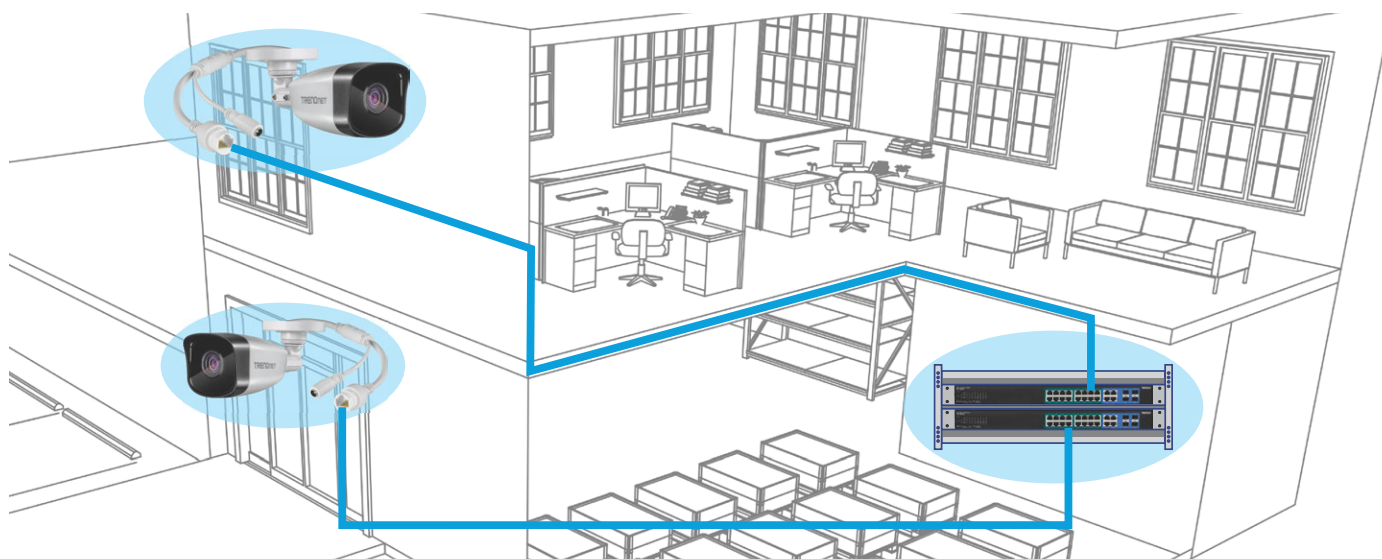
Built for outdoor environments with an IP67 weather rating and an operating temperature range of -30° – 60° C (-22° – 140° F).



### Power over Ethernet (PoE)

PoE offers cost savings and the flexibility to install this outdoor IR bullet camera up to 100m (328 ft.) from the PoE source equipment.

## Networking Solution





### 1 Megapixel

View 1MP 720p HD video (1280 x 720) at 30 fps in the bandwidth saving H.264 compression format



### IR Night Vision

Night vision up to 30 meters (98 ft.).



### PoE

Save installation costs with Power over Ethernet (PoE)



### IP67 Rating

Outdoor IP67 weather rated housing



### Motion Detection

Create custom motion detection zones to send email notifications when a zone is triggered.



### Tamper Detection

Create custom tamper detection zones to send an email notification when the camera view has been obstructed.



### Digital Wide Dynamic Range (D-WDR)

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



### ONVIF

ONVIF Profile S



### Complimentary Software

Complimentary pro-grade software to manage TRENDnet cameras



### Complimentary Apps

Live video to a mobile device with free iOS® and Android™ apps

## Specifications

|  |  |
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| <b>Lens</b>                                    | <ul style="list-style-type: none"> <li>Focal Length: 4mm @ F2.0</li> <li>Focal depth: 30cm to infinity</li> <li>Sensor: 1/4" CMOS sensor</li> <li>Digital zoom: 4x</li> </ul>                    |
| <b>Viewing</b>                                 | <ul style="list-style-type: none"> <li>Horizontal angle : 83.6°</li> <li>Manual pan: 0° to 355°</li> <li>Manual tilt: 0° to 75°</li> <li>Lens rotation: 0° to 355°</li> </ul>                    |
| <b>Minimum Illumination</b>                    | <ul style="list-style-type: none"> <li>IR off: 0.01 lux</li> <li>IR on: 0 lux</li> <li>IR distance: 30m (98 ft.)</li> <li>IR wavelength: 850nm</li> </ul>  |
| <b>Compression</b>                             | <ul style="list-style-type: none"> <li>H.264</li> <li>MJPEG</li> </ul>   |
| <b>Resolution</b>                              | <ul style="list-style-type: none"> <li>Main stream: H.264: 1280 x 720 up to 30 fps</li> <li>Sub stream: H.264/MJPEG: 640 x 360 up to 30 fps</li> </ul>   |
| <b>Hardware Standard</b>                       | <ul style="list-style-type: none"> <li>IEEE 802.1x</li> <li>IEEE 802.3</li> <li>IEEE 802.3u</li> <li>IEEE 802.3x</li> <li>IEEE 802.3af</li> </ul>  |
| <b>Device Interface</b>                        | <ul style="list-style-type: none"> <li>10/100Mbps PoE port</li> <li>Power jack</li> <li>Reset button</li> </ul>  |
| <b>Housing</b>                                 | <ul style="list-style-type: none"> <li>IP67 weather rated</li> </ul>   |
| <b>Network Protocol</b>                        | <ul style="list-style-type: none"> <li>IPv4, IPv6, UDP, TCP/IP</li> <li>DHCP, NTP, DDNS, SMTP, FTP, LLTD</li> <li>QoS/DSCP, IEEE 802.1X</li> <li>HTTP, HTTPS</li> <li>UPnP, RTSP, RTP</li> </ul> |
| <b>Compliant Standard</b>                      | <ul style="list-style-type: none"> <li>ONVIF (Profile S), PSIA, CGI, ISAPI</li> </ul>  |
| <b>Dimension</b>                               | <ul style="list-style-type: none"> <li>180 x 70 x 60mm (7.1 x 2.75 x 2.4 in.)</li> </ul>   |
| <b>Weight</b>                                  | <ul style="list-style-type: none"> <li>256g (0.56 lb.)</li> </ul>  |
| <b>Operating Temperature</b>                   | <ul style="list-style-type: none"> <li>-30° – 60° C (-22° – 140° F)</li> </ul>   |
| <b>Humidity</b>                                | <ul style="list-style-type: none"> <li>Max. 95% non-condensing</li> </ul>  |
| <b>Power</b>                                   | <ul style="list-style-type: none"> <li>Input: PoE</li> <li>Max. consumption: 5W</li> </ul>   |
| <b>Power Adapter (optional model: 12VDC1A)</b> | <ul style="list-style-type: none"> <li>Input: 100 – 240V AC , 50/60Hz</li> <li>Output: 12V DC, 1A external power adapter</li> </ul>  |

|                                  |   |
|----------------------------------|---|
| <b>Management Interface</b>      | <ul style="list-style-type: none"> <li>Multi-language support: English, French, German, Spanish, and Portuguese</li> <li>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</li> <li>D-WDR enhances video quality in high contrast daytime lighting</li> <li>Digital Noise Reduction removes digital noise from the video signal</li> <li>Time, date, and text overlay</li> <li>Motion detection: define up to three motion detection areas and motion sensitivity</li> <li>Video masks: define custom video masks</li> <li>Tamper detection function: email notification</li> <li>Snapshot: real time snapshot and motion triggered</li> <li>Supported dynamic DNS services: dyn.com and no-ip.com</li> <li>Supports remote management</li> <li>Compatible browsers: Internet Explorer®, Chrome or Safari®</li> </ul> |
| <b>TRENDnetVIEW EVO Software</b> | <ul style="list-style-type: none"> <li>Supports up to 32 TRENDnet cameras</li> <li>Multiple language support</li> <li>Set recording options (motion detection, schedule, event trigger)</li> <li>Search and playback</li> <li>Custom viewing modes and options</li> <li>Compatibility: Windows® 10, 8.1, Windows Server® 2012, 2008</li> </ul>  |
| <b>TRENDnet IPVIEW App</b>       | <ul style="list-style-type: none"> <li>Free iOS® and Android™ apps</li> <li>View live camera video on a mobile device</li> <li>Take snapshots</li> <li>Zoom</li> </ul>  |
| <b>Certifications</b>            | <ul style="list-style-type: none"> <li>CE</li> <li>FCC</li> </ul>   |
| <b>Warranty</b>                  | <ul style="list-style-type: none"> <li>3 year</li> </ul>  |
| <b>Packaging Contents</b>        | <ul style="list-style-type: none"> <li>TV-IP324PI</li> <li>Weather seal</li> <li>Quick installation guide</li> <li>Camera mounting hardware</li> </ul>  |