



013111

PEPE – Long-Range Periscope Camera

NSM Surveillance's PEPE Periscope is a unique solution to long-range, standoff surveillance requirements. The PEPE is easy to deploy. With its reconfigurable mounting bracket, the PEPE can be easily attached to a flat or inclined roof, a wall, parapet or pole. Once deployed, it provides 360-degree continuous coverage, can read 8-inch-high letters at a distance of 1 km, and can provide effective surveillance at up to 5 km from the target's location.

Using the latest in megapixel camera technology, the day/night, low-light model provides excellent coverage in low-light applications. When your position cannot be compromised with active illumination, the long-range thermal PEPE is the model of choice. In wide area applications, a combination of PEPE models ensures that you have a high-quality video picture when you need it.

PEPE's innovative motor drive system provides precise positioning control, allowing the operator to follow subjects even at the most extreme zoom settings. The slow-speed precision does not come at the sacrifice of high-speed panning; with a maximum speed of 35 degrees-per-second, the PEPE can move quickly to video-verify any automated alarms.

Using a number of covert concealment enhancements, the PEPE easily blends into its surroundings, making it the perfect long-range surveillance tool. With its extreme standoff distance, users can feel confident that the deployed camera will not be detected when placed in an area of interest.

The PEPE is compatible with most video management software systems that allow viewing, control, recording, and presets.

Contact your NSM Surveillance sales representative or visit our website to learn more about how the PEPE can meet your surveillance needs.



Applications

Overt tactical surveillance

- SWAT, Special Forces, Sniper Spotter

Overt long term surveillance

- Harbors, airports, bridges, power plants

Covert surveillance

- Urban and rural concealments available

Standard Features

- Continuous rotation pan, with $\pm 40^\circ$ tilt
- IP MPEG4, MJPEG, H.264
- Includes Power Over Ethernet (POE)
- 0.03° repeatability for use with smart video systems
- Available in day/night low light color or with thermal imager for no light applications
 - Day/night 17 – 374mm lens (PEPE-374)
 - Day/night 25 – 1500mm lens with X2 extender (PEPE-1500)
 - 100 – 500 mm continuous zoom thermal imager (PEPE-500T)
- RF modules available for all models and RF Bands (contact factory)

PEPE-374/1500 DAY/NIGHT

(when equipped with the standard megapixel camera)

Pickup Element

1/2.5 inch CMOS

Output

10/100 Mbps Ethernet, RJ45

Networking Protocols

IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, QoS, SNMP

Pixel Resolution

2560x1920 (5MP) to 160x90

Shutter Time

1/6 ~1/25500 sec

Minimum Illumination Color

0.5 lux / F1.6 (typical)

Video Compression

H.264, MPEG-4 & MJPEG

Video Frame Rates

H.264, Motion JPEG:
3MP mode: Up to 20 fps in all resolutions
HDTV 1080p (1920x1080): 30 fps in all resolutions
5MP mode: 12 fps in all resolutions

Security

Multi-level user access with password protection

IP address filtering

HTTPS encrypted data transmission

802.1X port-based authentication for network protection

User access log

Iris Control

Automatic

IR Cut Filter

Auto ON / OFF

PEPE-500T THERMAL

Detector Type

InSb FPA

Detector Format

320 x 256

Spectral Band

3-5 um

Pixel Pitch

Continuous 100 — 500 mm

Video Output

NTSC, PAL

Impedance

75 Ohms unbalanced

Focal Length

Continuous 100 — 500 mm

Lens

F/4

Zoom Ratio

X1 to X5

Zoom Presets

10

Field of View

Wide = 5.5° x 4.1°
Narrow = 1.1° x 0.8°

MECHANICAL SPECIFICATIONS

Weight

55 Lbs (concealment only)

Rotation

Azimuth, continuous

Elevation: ± 40

Precision

0.027° resolution

± 0.03° repeatability

Speed

Azimuth: 0.11 — 35 degrees/second

Elevation: 0.11 — 35 degrees/second

Electrical Power

PEPE 374/1500: 24 watts (POE)

PEPE 500T: 38 watts (12VDC)

Control

RS-232

DTMF

Environmental

Temperature Range 30°F to +125°F

Humidity: 100%

LENS SPECIFICATIONS (PEPE 374)

Focal Length

17mm — 374mm

Zoom Ratio

X1 to X22

Auto Iris

Video type

Horizontal

16° 04' wide, 0° 44' full zoom

LENS SPECIFICATIONS (PEPE 1500)

Focal Length

12.5mm — 750mm
25mm — 1500mm (with X2 extender)

Zoom Ratio

X1 to X60

Maximum Relative Aperture

1:38

Horizontal

28° 43' wide; 0° 29' full zoom

Product specifications subject to change without notice

