

LOKI-NANO 4K

Compact camera PTZ 10X



DESCRIPTION

- UHD 4K camera with 10X optical zoom
- 360° panoramic view with no stop & 25° tilt
- Ultra-sensitive in low light: 0.001 Lux
- Rugged, waterproof IP67
- M12 Code-X to RJ45 connectivity
- 2-Year Warranty

The LOKI NANO—our most compact PTZ—was built for the most demanding tactical operations. With 10X optical zoom and 360° rotation, it captures every detail discreetly. 4K resolution and 0.0001 Lux sensitivity (B/W) deliver reliable viewing in daylight and in low-light conditions. Waterproof (IP67), it's easy to deploy in any environment. Its RJ45 interface enables fast integration with your existing systems. The 4K version also includes 256 GB of storage.



TECHNICAL SPECIFICATIONS

LOKI NANO

Image Sensor	1/2.8" Progressive Scan CMOS Sensor	Supported protocols	IPv4, IPv6, HTTP, HTTPS, TCP, UDP, RTSP, RTP, ARP, NTP, FTP, DHCP, PPPoE, DNS, DDNS, UPnP, IGMP, ICMP, SNMP, SMTP, QoS, 802.1x
Resolution	8 MP (3840x2160)/4K	API	ONVIF (Profile S, Profile G, Profile T), HTTP API, SDK, GB28181
Optical Zoom	10X	Protection	IP67
Digital Zoom	16X	Temperature	-30°C to +60°C
Field of View	67.1° (Wide) to 7.6° (Tele) diagonal	Connections	2 m X-Code M12 to RJ45 IP67 cable
Focal Length	4.8 - 48mm	Dimensions	Ø 85 x 120 mm
Sensitivity	Color: 0.001 Lux @(F1.5) B/W: 0.0001 Lux @(F1.7)	Storage	256 GB
Shutter	1/3 - 1/30000 sec	Power Supply	12 VDC ± 10%
Day/Night	Auto (ICR) / Manual (Color, B/W)	Weight	0.75 kg
Video	H.265/H.264/H.264H/MPEG	Power Consumption	< 6W
Exposure Compensation	WDR, BLC & HLC	Warranty	2 years
Bandwidth	32Kpbs - 8Mbps per video channel 3 Video Streams	Delivery	Supplied with a tactical case
Frame Rate	Max 30 fps		

LOKI-NANO 4K

DORI Performance



DORI CRITERIA

The **EN 62676-4** standard defines four levels of target perception—**D**etection, **O**bservation, **R**ecognition, **I**dentification—expressed as the pixel density rendered on the target. The higher the required density, the shorter the usable distance. The ranges below are given for the **LOKI-NANO 4K** with its 8 MP sensor (3840 × 2160) at maximum optical zoom ($f = 48$ mm), using a 1.80 m target and under favorable lighting conditions.



D

DETECTION

25 px/m

A presence is detected in the scene: something—or someone—is there.

O

OBSERVATION

62.5 px/m

The subject's outline, clothing, and behavior can be monitored.

R

RECOGNITION 125

px/m

A person already known to the operator is recognized with a strong level of confidence.

I

IDENTIFICATION

250 px/m

Facial features make it possible to confirm identity without ambiguity.

OPERATIONAL RANGES

LOKI-NANO 4K

DETECTION

25 px/m

1 331_m

OBSERVATION

62.5 px/m

528_m

RECOGNITION

125 px/m

266_m

IDENTIFICATION

250 px/m

133_m

0 200 400 600 800 1000 1200 1400 m

MEASUREMENT CONDITIONS

- 1/2.8" 8 MP CMOS sensor — 3840 × 2160 px
- Maximum optical zoom: $f = 48$ mm (telephoto angle 7.6° diag.)
- Reference target: standing person, 1.80 m
- Daylight illumination, clear atmosphere, stationary target

KEY OPERATIONAL TAKEAWAYS

- Area monitoring and visual confirmation out to over 1.3 km
- Behavior monitoring of an individual beyond half a kilometer
- Positive identification at short to mid range
- Sensitivity: 0.0001 Lux (B/W) for low-light operation

Theoretical values calculated from sensor resolution and the field of view at maximum telephoto, in accordance with the pixel-density criteria of EN 62676-4. Actual ranges achieved vary with atmospheric conditions, lighting, and target contrast. Non-binding document.