PIKO / AI IP CAMERA

Piko 5MP ATM Pinhole Camera

A two-piece 5MP pinhole camera for ATMs, ITMs and TCRs: a Ø28mm camera head on a 1.5m lead, with the processing unit hidden inside the machine.

5MP AT 30FPS | Ø28MM PINHOLE HEAD | POE (802.3AF) | NDAA COMPLIANT



OVERVIEW

The Piko 5MP ATM Pinhole Camera is built for self-service equipment, where the camera has to see the customer at the machine without occupying space or drawing attention. A Ø28.1mm camera head sits behind the fascia on a 1.5m lead; the main unit, which carries the network and power connections and the microSD slot, mounts out of sight inside the enclosure.

A SONY STARVIS2 5.17M sensor records at 2592 × 1944 and 30fps through a fixed 3.7mm F2.5 lens, giving 87.6° horizontal and 61.6° vertical coverage — enough to frame a face, the keypad and the surrounding approach from a single head. True WDR and digital day/night handle the mix of bright glass, backlit vestibules and dim overnight lobbies typical of ATM and ITM placements.

Deep learning object and people tracking, Piko AI event triggers and alarm in/out let the camera contribute to transaction and incident review rather than only recording footage. Smart Bitrate Control, Region of Interest and multi-streaming keep a large ATM fleet manageable on the branch network.

The polycarbonate housing weighs 0.42 kg, draws a maximum of 5.3W over standard PoE and operates from -4°F to 122°F for interior and fascia-mounted service. Mounting accessories cover surface and adjustable installations, and a dedicated ATM mount kit fits the common NCR platforms.

CORE FEATURES

CONCEALED INSTALLATION

- Ø28.1 × 29.1mm camera head
- 1.5m lead to a separate main unit
- Fixed 3.7mm F2.5, 87.6° × 61.6°
- Pinhole cover conceals the lens at the fascia

AI & ANALYTICS

- Deep learning object tracker
- Deep learning people tracker
- Piko AI event triggers with alarm in/out
- Metadata output (JSON/XML)

PERFORMANCE OPTIMIZATION

- Smart Bitrate Control
- Region of Interest (ROI)
- 3D Digital Noise Reduction

TECHNICAL SPECIFICATIONS

IMAGE & CAMERA	
Image Sensor	1/2.8” SONY STARVIS2 5.17M CMOS
Effective Pixels	2592 (H) × 1944 (V)
Scanning System	Progressive scanning
Shutter Speed	Auto / Manual: 1/30 ~ 1/32,000 sec, anti-flicker, slow shutter
Day / Night	Digital Day & Night
Minimum Illumination	0.13 Lux (Color)
Wide Dynamic Range	True WDR
S/N Ratio	50 dB
Lens Type	Fixed pinhole lens
Focal Length	3.7 mm, F2.5
Field of View	Horizontal approx. 87.6° · Vertical approx. 61.6°
Iris	Auto Exposure
AGC Control	Auto

VIDEO	
Compression	H.265, H.264, MJPEG
Profile	H.264: MP / HP · H.265: MP
Max Resolution	2592 × 1944
Frame Rate	Up to 30fps at 5MP
Multiple Profile	2592×1944/30 + 480p/30 (H.264 / H.265) + MJPEG
Bitrate	100 Kbps – 25 Mbps
Bitrate Control	Multi-rate CBR / VBR, controllable frame rate and bandwidth
Image Enhancements	3D-DNR, ROI, Smart Bitrate Control
Privacy Mask	16 programmable zones
Image Settings	Exposure, White Balance, Sharpness, Flip/Mirror/Corridor

AUDIO	
Audio Streaming	Two-way
Compression	G.711 u-law 8KHz, AAC-LC 48Kbps at 8KHz
Input	Line in, 3VDC (3mA), 3K Ohm input impedance
Output	Line out, max output level 1Vrms

EVENT	
Event Triggers	Motion alarm, temperature critical, DI, Piko AI
Pre / Post Recording	Pre: 1 – 5 sec · Post: 1 – 240 sec
Event Notification	FTP, e-mail, alarm-out, SD card

NETWORK & INTEGRATION	
Ethernet	10 / 100 Base-T
IP	IPv4
Protocols	TCP/IP, UDP, AutoIP, RTP, RTSP, NTP, HTTP, HTTPS, SSL, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMP v1/v2/v3, UPnP, RTCP, SSH, ONVIF
Security	HTTPS (SSL), IP filtering, 802.1x, Digest Authentication
Integration	ONVIF Profile S/T/M, CGI API
Edge Storage	1 × microSD / microSDHC / microSDXC

POWER & CONNECTIVITY	
Power Input	PoE (IEEE 802.3af Class 3) / DC12V
Power Consumption	DC12V max 4.2W · PoE max 5.3W
External I/O	1 × Alarm In / 1 × Alarm Out

ENVIRONMENTAL	
Operating Temperature	-4°F to 122°F (-20°C to 50°C)
Humidity	10–90% RH (non-condensing)
Application	Interior / in-enclosure use

GENERAL	
Material	Polycarbonate, white
Main Unit (W × H × D)	107 × 36 × 124 mm
Camera Unit	Ø28.1 × 29.1 mm
Cable Length	1.5 m
Weight	0.42 kg
Language	English

COMPLIANCE	
Certifications	FCC, CE
Procurement Compliance	NDAA Compliant

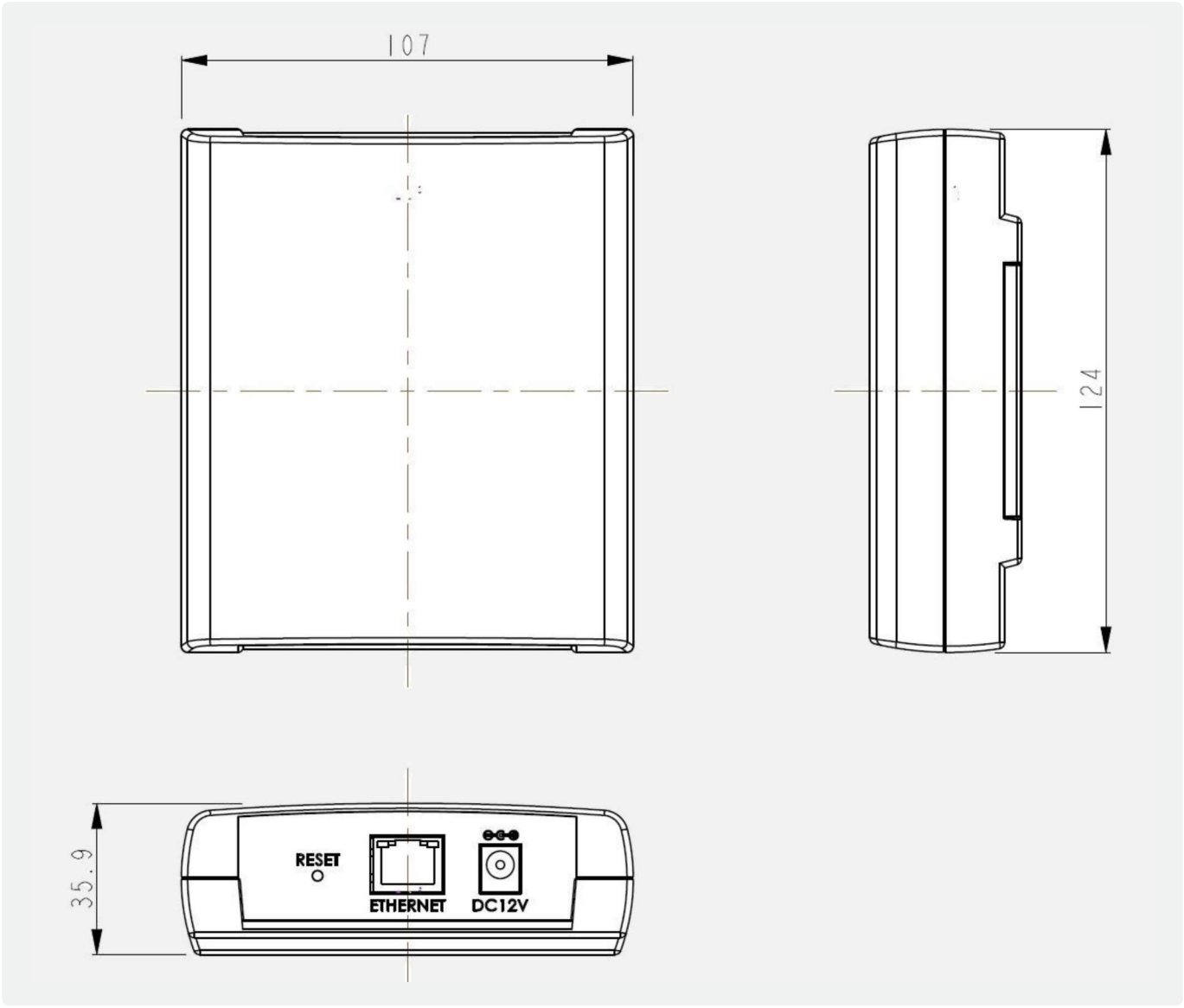
OPTIONAL PIKOANALYTICS

PikoANALYTICS is an optional analytics package built on an advanced tracking algorithm with a rich library of detection behaviors. Intrusion detection zones and rules, tamper detection and deep-learning object tracking are supported as standard.

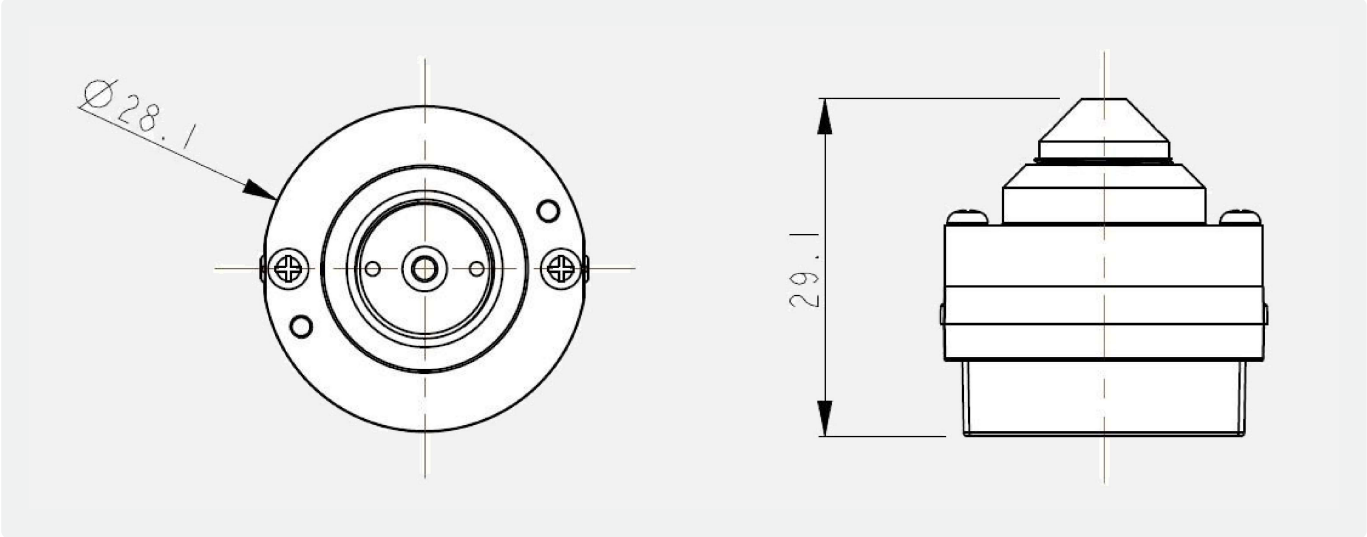
CAPABILITY	WHAT IT DOES
Analytics Engine	PikoANALYTICS advanced tracking algorithm with rich library of detection behaviors.
Detection Zones & Rules	40 rules and zones (multi-segment polygons and lines) as standard.
Intrusion Detection	Detection of the presence of an object.
Detection Behaviors	Enter, Exit, Appear, Disappear, Stop, Direction, Dwell filter, Tailgating.
Object Tracking	Deep learning based object identification (Person, Cyclist, Car, Van, Truck, Motorcycle, Bicycle, Bag) removes false object detection.
People Tracking	Deep learning based people identification and tracking.
Logical Rules	Extends standard rules to allow various combinations of the inputs.
Counting & Lines	High accuracy people and vehicle counting, 20 counters in total.
Tamper Detection	Supported as standard. Detects coverage of the camera's view.
Metadata	JSON and plain XML containing event information and tracked-object information — bounding box, tail history, and object attributes (type and color).

DIMENSIONS

MAIN UNIT



CAMERA UNIT



UNIT: MM	
Main Unit Width	107 mm
Main Unit Depth	124 mm
Main Unit Height	35.9 mm
Camera Unit	Ø28.1 × 29.1 mm
Cable Length	1.5 m
Weight	0.42 kg
Housing Material	Polycarbonate

MOUNTING & COMPATIBLE PARTS

The camera head mounts three ways: behind an ATM fascia with the ATM mount kit, onto a flat surface with the surface mount bracket, or on the pan/tilt bracket where the view needs aiming. The pinhole cover finishes the head at the fascia and conceals the lens.

MOUNTING TYPE	WHAT PARTS TO ORDER
ATM fascia	Piko ATM Camera Mount Kit — fits NCR 6688 (Island), 6682 (Drive-Up and Walk-Up) and 6684 (Thru-Wall). Hardware ships in the camera box.
Surface	Surface Mount Bracket
Adjustable	Pan/Tilt Bracket
Concealment	Pinhole Cover

COMPATIBLE MOUNTS



Surface Mount Bracket

Domed surface bracket, seats the camera head on a flat interior surface with the cable routed behind.



Pan/Tilt Bracket

Adjustable cradle with side pivots, lets the head be panned and tilted after it is fixed in place.



Pinhole Cover

Black finishing cover, closes the opening around the lens and conceals the head at the fascia.



ATM Mount Kit — Lens Carrier

Two-part carrier that sandwiches the camera head, with the base cover and securing screw. Ships in the camera box.



ATM Mount Kit — Fascia Brackets

Slotted brackets that locate the carrier behind the ATM fascia; the slots allow lateral adjustment across NCR models.

ORDERING INFORMATION

PART NUMBER	DESCRIPTION	ONBOARD STORAGE
P-5MP-ATM-V1	Piko 5MP ATM Pinhole Camera, fixed 3.7mm lens, two-piece head and main unit	microSD / microSDHC / microSDXC
PE-5MP-ATM-1TB-V1	Piko 5MP ATM Pinhole Camera, PikoEDGE model — runs the Piko VMS onboard the chipset	1 TB microSD included

PE = PIKOEDGE A PE part number is the PikoEDGE version of the camera: it runs the Piko VMS onboard the chipset and ships with a 1TB SD card included. A P part number is the standard camera, with microSD storage supported but not supplied.

COMPLIANCE

- FCC
- CE
- NDAA Compliant
- ONVIF Profile S/T/M, CGI API

Contact your CSG account manager for pricing, availability and design support.

COOK SOLUTIONS GROUP
THINK CSG FIRST.

Document [Rev. 0.1] · [September 2026]. Specifications subject to change without notice.