PIKO / AI IP CAMERA

Piko
5MP Height Strip Camera

A covert 5MP camera built into an 860 mm graduated height strip, so a subject's height is recorded in the same frame as their face.

5MP AT 30FPS | 860 MM HEIGHT STRIP | INTERIOR APPLICATION | NDAA COMPLIANT



OVERVIEW

The Piko 5MP Height Strip Camera combines a covert camera and a graduated height strip in a single 860 mm housing, so a subject's height is captured in the same frame as their face. A 5MP STARVIS2 sensor records 2592 × 1944 at 30 frames per second through a fixed 3.7 mm lens covering approximately 87.6° horizontally.

The camera arrives already mounted in its housing, so installation is a matter of fixing the strip to the wall and running one cable — Power over Ethernet carries both power and video, drawing a maximum of 5.8W. Corridor mode rotates the image to suit the tall, narrow field a doorway needs, and true 120 dB wide dynamic range holds facial detail against a bright entrance behind the subject.

SMART Bitrate Control and Region of Interest keep bandwidth and storage down while preserving detail where it matters. With ONVIF Profile S/T/M support the camera integrates into existing video management systems, suiting branch entrances, teller lines, cash offices and interior doorways.

CORE FEATURES

IMAGING & VIDEO

- 5MP (2592 × 1944) at 30fps
- True WDR, 120 dB
- H.265 / H.264 / MJPEG compression
- Fixed 3.7mm F2.5 lens, 87.6° horizontal

AI & ANALYTICS

- Object classification (Person, Vehicle, Bicycle, etc.)
- Intrusion and line-crossing detection
- Dwell, direction, and tailgating detection
- Advanced metadata output (JSON/XML)

PERFORMANCE OPTIMIZATION

- Smart Bitrate Control
- Region of Interest (ROI)
- 3D Digital Noise Reduction
- Corridor mode for tall, narrow views

TECHNICAL SPECIFICATIONS

IMAGE & CAMERA	
Image Sensor	SONY STARVIS2 1/2.8” 5.17M CMOS
Effective Pixels	2592 (H) × 1944 (V)
Scanning System	Progressive scanning
AGC Control	Auto
Iris Type	Auto Exposure
Minimum Illumination	0.13 Lux (Color) / 0.02 Lux (B&W)
Lens	3.7 mm, F2.5
Angle of View	Horizontal: approx. 87.6° / Vertical: approx. 61.6°
Shutter Time	Auto / Manual: 1/30 ~ 1/32,000, Anti-Flicker, Slow Shutter
Day & Night	Digital Day & Night
Wide Dynamic Range	True WDR (120 dB)
S/N Ratio	50 dB

VIDEO	
Compression	H.265, H.264, MJPEG
Profile	H.264: MP / HP · H.265: MP
Max Resolution	2592 × 1944
Frame Rate	Up to 30fps
Bitrate	100 Kbps ~ 25 Mbps
Bitrate Control	Multi-streaming CBR / VBR (controllable frame rate and bandwidth)
Streaming	2592 × 1944/30 + 480p/30 with H.264, H.265 + MJPEG
Image Enhancements	3D-DNR, SMART Bitrate Control, Region of Interest, 16-zone privacy mask
Image Settings	Exposure, White Balance, Sharpness
Image Orientation	Flip / Mirror / Corridor Mode

EVENT	
Event Trigger	Motion, Temperature critical
Pre / Post Recording	Pre: 1 ~ 5 sec · Post: 1 ~ 240 sec
Event Notification	FTP, E-mail, SD card

NETWORK & INTEGRATION	
Ethernet	10 / 100 Base-T (IPv4)
Protocols	TCP/IP, UDP, AutoIP, RTP (UDP/TCP), RTSP, NTP, HTTP, HTTPS, SSL, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMP v1/v2/v3, UPnP, RTCP, SSH, ONVIF
RTSP	Supported
Security	SSL, IP filtering, 802.1x, Digest Authentication
Integration	ONVIF Profile S/T/M, CGI API
Edge Storage	1 × microSD / microSDHC / microSDXC (card not included)

POWER & CONNECTIVITY	
Power Input	PoE (IEEE 802.3af) / DC12V
Power Consumption	Max 5.8W (PoE) / 4.1W (DC12V)
Connectivity	RJ-45

ENVIRONMENTAL	
Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Humidity	10–90% RH (non-condensing)

GENERAL	
Material	Aluminum sheet metal, white
Dimensions	51.5 (W) × 860 (H) × 36.8 (D) mm
Weight	0.7 kg
Language	English

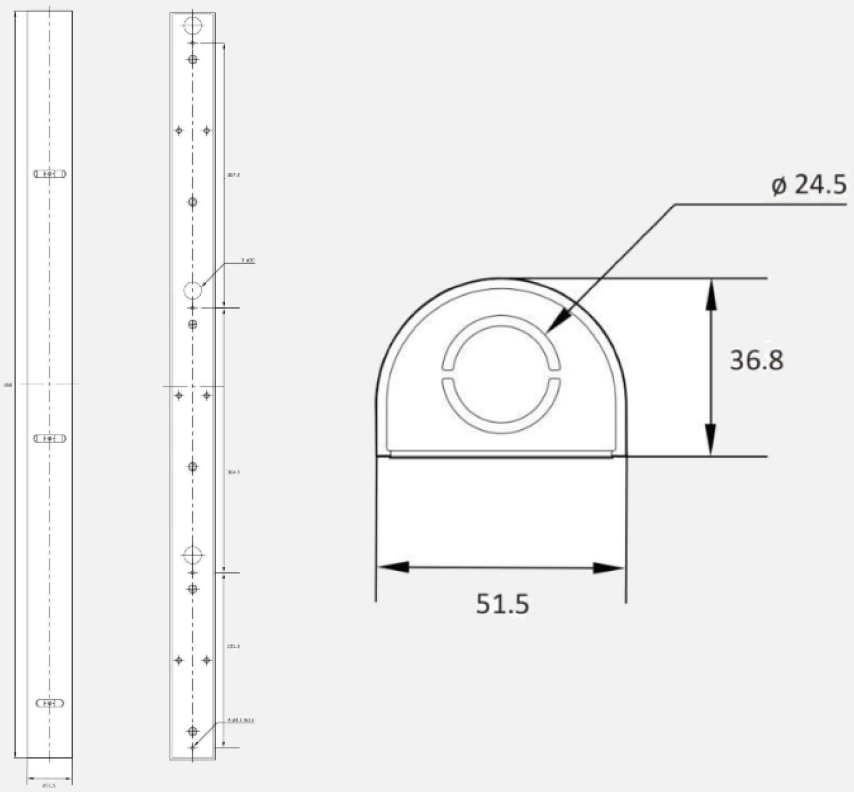
COMPLIANCE	
Certifications	FCC, CE, UKCA
Procurement Compliance	NDAA Compliant

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.
Intrusion Detection	Detection of the presence of an object; 40 rules and zones (multi-segment polygons and lines) as standard.
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



UNIT: MM	
Width	51.5 mm
Height	860 mm
Depth	36.8 mm
Weight	0.7 kg
Housing Material	Aluminum sheet metal, white

INSTALLATION

The camera ships already mounted inside its height strip housing, so no separate mounting accessories are required. The housing fixes directly to the wall through the fixing holes shown above.

A single Power over Ethernet cable carries both power and video, entering through the cable opening at the top of the strip.

ORDERING INFORMATION

PART NUMBER	DESCRIPTION	ONBOARD STORAGE
P-5MP-HS-V1	Piko 5MP Height Strip Camera, fixed 3.7mm lens	1 × microSD (not included)
PE-5MP-HS-1TB-V1	Piko 5MP Height Strip 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, UKCA
- NDAA Compliant
- ONVIF Profile S/T/M, CGI API

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

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