IO NODES

PERCEPT

The next generation LTE / Wi-Fi connected open-platform body-worn solution.

Designed for real-time applications

The PERCEPT Body Camera is a connected video solution designed for frontline workers, security professionals and law enforcement. More than just a camera, it integrates advanced IoT capabilities to capture, manage, and share critical data in real time. Built on an open platform, it helps organizations improve transparency, accountability, and operational efficiency while integrating with their existing video infrastructure.

Open-platform by design

ONVIF® | GST

Fully compliant with ONVIF Profile GST, the PERCEPT Body Camera integrates effortlessly with leading video and evidence management software and requires no additional hardware or proprietary devices to operate, delivering true flexibility and interoperability out of the box.

Certified VMS integrations

Genetec™   MARCH networks
                    A Delta Group Company   milestone

Live Connectivity
Always-on 4G LTE / Wi-Fi enables live streaming, alerts, and remote control.

Integrated Sensors
Advanced technology to enhance event detection and incident context.

Data Protection
Ensure secure data protection, device integrity, and trusted authentication.

Lasting Operation
Over 12 hours of full-shift, continuous video operation.

Overview

Flashlight | Dual Mic | Camera | Status | Record Button

Lanyard Attachments | Mount | Power | Menu Navigation & Mute | Menu Selection & Covert Mode | Function Button

Status
Speaker
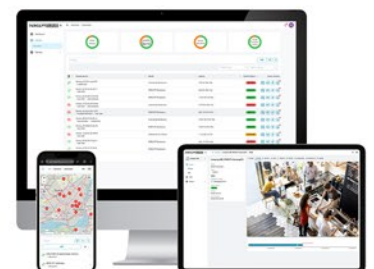OLED Screen

USB-C Port

Smart Docking Station

Klick Fast Mounting

Real-Time Video Operations Platform **PERCEPT** CLOUD

PERCEPT Cloud is a powerful management platform that lets you centrally manage and control your fleet of PERCEPT Body Cameras with live streaming, real-time location tracking, software updates, health monitoring, and remote configuration.

Experience the Power of Connected Video.

Schedule a live demo to see how the PERCEPT Body Camera solution can enhance safety, efficiency, and visibility across your operations.

Book your demo with us.

Technical Specifications

Networking

3G / 4G LTE	North America LTE-FDD, LTE-TDD, WCDMA EMEA / LATAM LTE-FDD, LTE-TDD, WCDMA, GSM/EDGE * Pre-installed SIM, worldwide LTE data plans available
Wi-Fi	2.4G/5GHz, 802.11 a/b/g/n/ac
VPN	Integrated VPN client (OpenVPN, L2TP)
Bluetooth	BT 4.2LE

Camera

Still Image	Image capture at up to 5MP (JPEG) Single image and burst mode
Live Streaming	On-demand live audio / video / GNSS location streaming over Wi-Fi/LTE (including VPN)
Video resolutions	5MP/4MP/2MP/1MP/0.6MP up to 30 FPS
Codecs	H.264 / H.265 (HEVC), MJPEG
Video Profiles	Supports up to 3 simultaneous profiles
Light Sensitivity	0.01 lx color
Field of View	135° horizontal x 99° vertical (180° Diagonal)

USB

USB Type-C	Supports Quick Charge 3.0 Supports simultaneous data transfer via dock

Audio

Microphones	Dual microphones / left and right
Speaker	Top-facing speaker

Sensors

Motion Sensing	9-axis IMU
Altitude Sensing	Barometric pressure sensor

Positioning

GNSS	GPS / BeiDou / GLONASS

Auxiliary

Status LED	2x RGB status LED, top and front
Flashlight	Front-facing white LED flashlight
OLED Display	Top-facing OLED display
Haptics	Vibration feedback on commands and alerts

Recording and Storage

Pre-Event	Configurable, up to 120 sec. pre-recording
Post-Event	Configurable, up to 300 sec. post-recording
Encryption	AES256 data encryption at rest
Internal microSD	128GB *Upgrade available up to 256GB

Battery Pack

Capacity	4,500 mAh
Operating Time	Up to 12 hours depending on configuration
Charging Time	<= 4 hours

Software

QR Code	QR code based onboarding and configuration
Firmware	Dedicated, tamper-proof embedded firmware
Web Interface	Web GUI for remote config. / maintenance
Supported API's	ONVIF Profiles G, S and T; direct-to-VMS IONODES ION API (HTTP-based REST API)
Security	Onboard Trusted Platform Module (TPM)

Compliance and Certifications

EMC/ESD	FCC part 15 subpart B, ICES 003 Class B, EN 55032, EN 55035, EN 61000-6-1, EN 61000-6-3, EN 301489-1, EN 301489-17
Safety	IEC-62368-1, NOM (Mexico), SAR
Compliance	NDAA compliant, TAA compliant available
Environmental	IP67 (shock, water and dust), MIL-STD-810H IEC 60068 (temperature and shock)
Operating Temp.	-20C to 50C (-4F to 122F)
Storage Temp.	-20C to 45C (-4F to 113F) for less than 30 days -20C to 35C (-4F to 95F) for longer than 30 days

Mechanical

Dimensions	3.9in x 2.7in x 1.1in (HxWxD)
Weight	218g (including 4,500 mAh battery)
Attachment	Two lanyard attachment points
Mount System	Klick Fast

Accessories

Accessories	USB-C cable, Klick Fast belt clip included

Warranty

Standard Warranty	2 Years * Upgrade available up to 5 years