DeterCam

Powerful AI on the Edge

DETERCAM CORE



AI WILDLIFE ANIMAL DETERRENCE

Powerful AI on the edge
Detect Animals, Human and Vehicle

AI- Powered Precision Alert with 80° Wide Coverage



2 MP
Image Resolution

HD
Video Resolution

80 °
Wide Angle

Perpetual
Using solar panel

0.4s
Trigger Speed

120dB
Alarm Siren

Smart Activity Zone

80 °
Wide Detection Range

100 Lumin
White LED

Smart WorkingTimer

AI context Aware
Analysis human and animal behaviours

AI Powerful Deterrence
20,000 audio alarms

Download the Detercam app to set up your camera, view your pictures and videos, remotely control settings and more.

GET IT ON Google Play

Download on the App Store

Play Store

App Store

Technical Specifications (DeterCam CORE)



Category	Specification	Detail / Value
Imaging & Lens	Photo Resolution	Up to 2 MP (Aspect Ratio 4:3)
	Video Resolution	HD Video Resolution
	Field of View (FOV)	80° Diagonal
	Night Illumination	850 nm Infrared (IR) LEDs
	IR Range	100 ft (30 m)
Detection & Deterrence	Detection Sensor	Passive Infrared (PIR) + Onboard AI
	Detection Range	Up to 100 ft (30 m)
	Trigger Latency	0.4 seconds
	Motion Sensitivity	Multi-level adjustable (PIR Delay configurable)
	Siren Output Volume	120dB
	Deterrence Light	Configurable flash speed, strobe duration, and alert LED
Network & Transmission	Cellular Band Support	4G LTE (Multi-band cellular module)
	Location Tracking	Integrated GPS module
	Media Transmission	Thumbnail (480P) / Full HD (1080P/2.7K)
	Multi-Shot Mode	1P / 2P / 3P capture burst
	Remote Management	DeterCam Mobile Application (iOS / Android) DeterCam Dashboard
Storage & Security	Local Storage Slot	MicroSD card slot (Supports up to 64GB)
	Cloud Connectivity	Event-driven cloud syncing and media logging
Power & Electrical	Internal Battery	DeterCam v4 20,000 mAh and DeterCam v5 30,000 mAh
	Auxiliary DC Input	6v and 12v DC, 2A
	Standby power consumption	20uA
	Solar Compatibility	Supported via DeterCam Solar panel
Physical & Environmental	Ingress Protection	IP66 weather-sealed housing
	Operating Temperature	-30°C to +65°C (-22°F to 149°F)
	Storage Temperature	-25°C to +60°C (-13°F to +140°F)
	Operating Humidity	5% to 90% RH (non-condensing)
	Camera Dimensions	145.1 x 103.8 x 85 mm
	Housing Material	Industrial UV-stabilized polycarbonate / ABS
	Compliance	CE, FCC Part 15 Class B, RoHS, IP66

Solar Panel



Category	Specification	Detail / Value
Solar Panel	Max Output Power	5W (±5%)
	Panel Dimensions	165 mm x 180 mm
Built-in Battery	Battery Type	Rechargeable Li-ion
	Battery Capacity	5000 mAh (7.4V)
	Battery Energy	37 Wh
User Interface	Status Indicator	4 x Green LEDs (Indicates battery level and charging status)
	Interface Button	1 x Power / Status Check Button
Environmental	Operating Temperature	-20°C to 55°C (-4°F to 131°F)
	Storage Temperature	-25°C to 60°C (-13°F to 140°F)
	Operating Humidity	5% to 90% (non-condensing)
	Max Operating Altitude / Air Pressure	2000m / 80kPa
	Compliance	CE, FCC, RoHS, WEEE
	Battery Safety Certification	UN38.3
	Ingress Protection	IP66 (Dust-tight and protected against powerful water jets)

DeterCam 4000 mAh v4 and 6000 mAh v5 Battery



Category	Specification	Detail / Value
Battery	Battery Capacity	4000 mAh v4 and 6000 mAh v5
	Input	5V 2A
	Output	7.4V 2.5A
	Battery Weight	230g
	Battery Chemistry	Lithium-ion Polymer (Cathode: Lithium Cobalt Oxide; Anode: Carbon)

Supported Animals

The DeterCam Pro utilizes edge AI to accurately detect and classify 28 distinct animal species, minimizing false alarms while reliably monitoring wildlife and livestock. The built-in detection engine specifically recognizes deer, cows, camels, wild boars, moose, foxes, bears, Canada geese, reindeer, elephants, kangaroos, horses, monkeys, birds, snakes, squirrels, rabbits, sheep, rats, dogs, lions, leopards, black bears, brown bears, pigeons, seagulls, tigers, giraffes, and more.

Deer



Cows



Camels



Wild boars



Moose



Foxes



Bears



Canada geese



Reindeer



Elephants



Kangaroos



Horses



Snakes



Squirrels



Monkeys



Birds



Rabbits



Sheep



Rats



Dogs



Lion



Leopard



Black bear



Brown bear



Pigeon



Seagull



Tiger

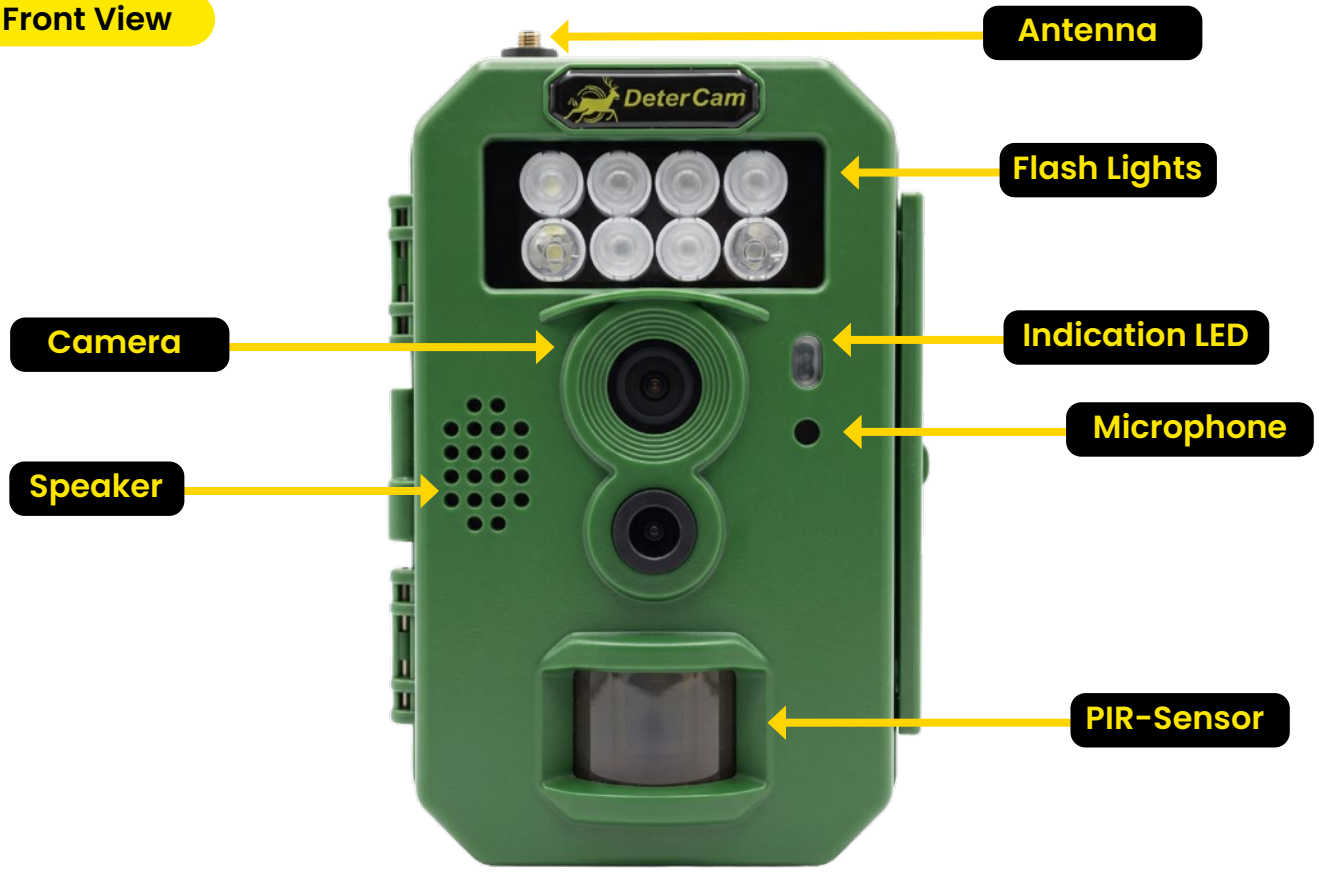


Giraffe

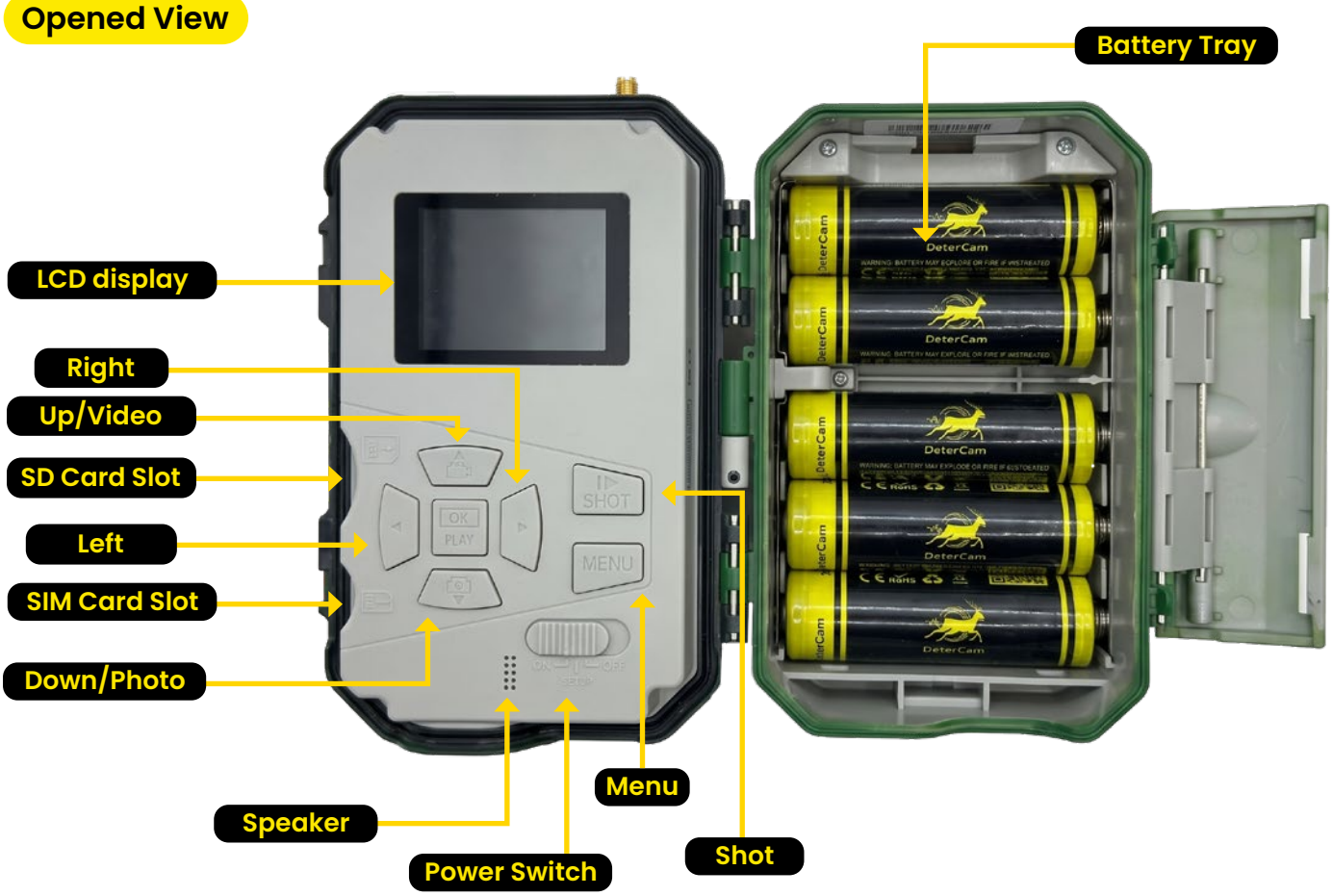


DeterCam CORE Features

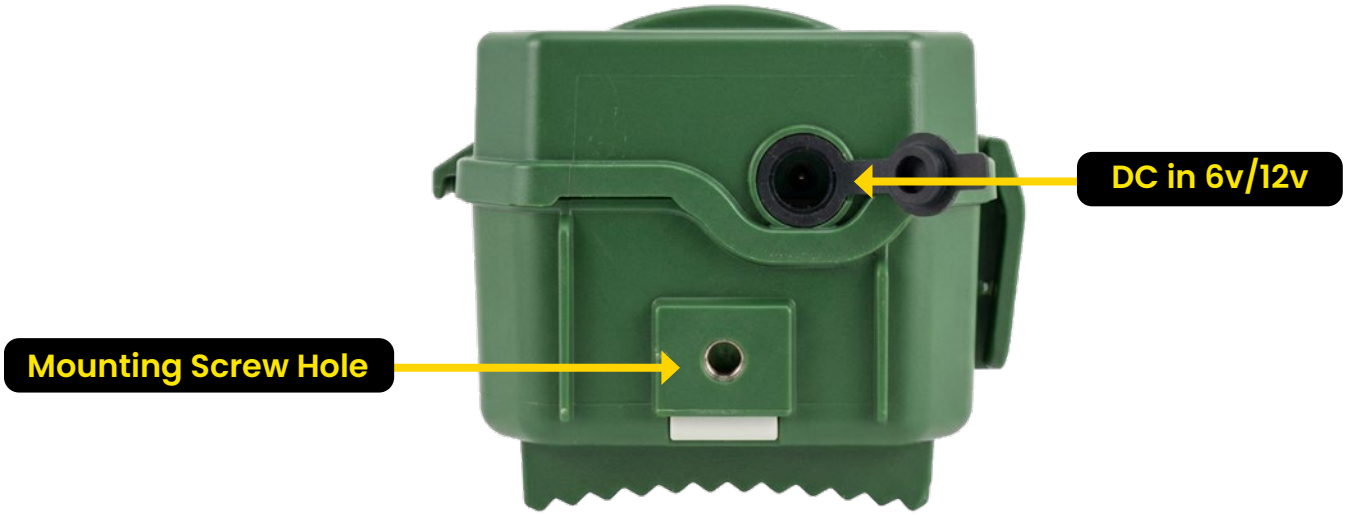
Front View



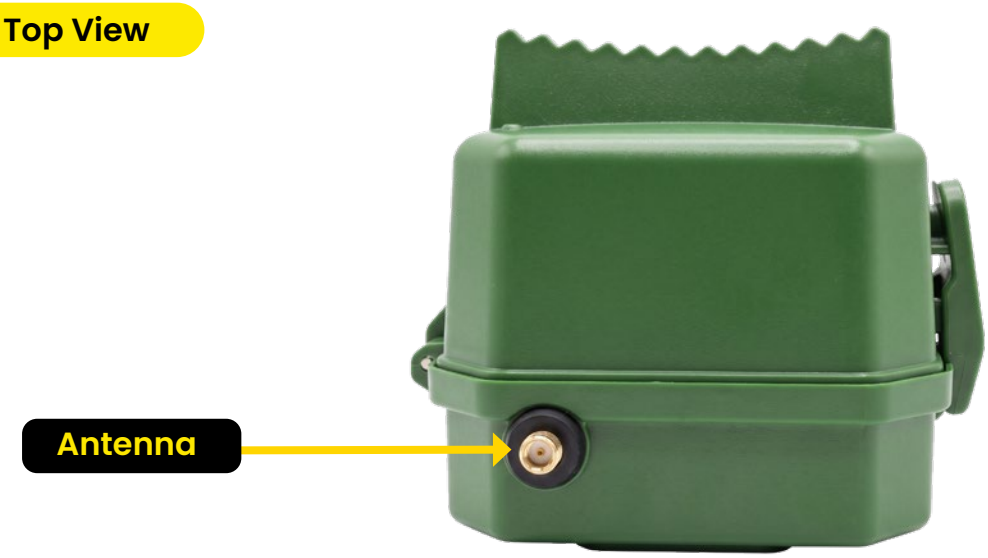
Opened View



Bottom View

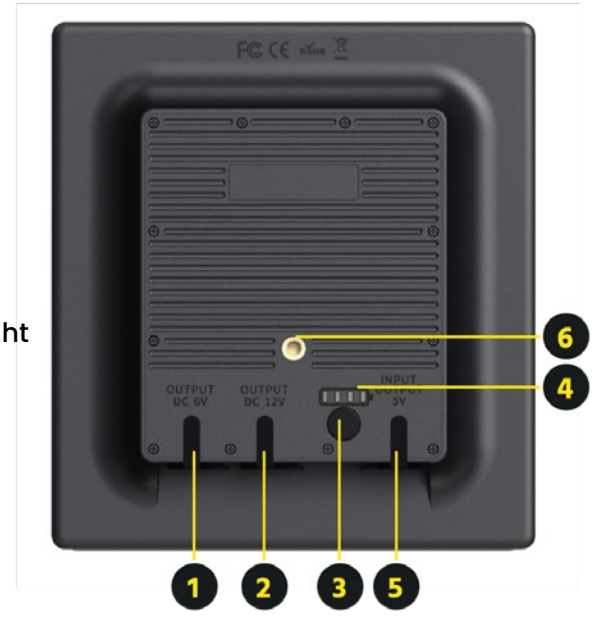


Top View

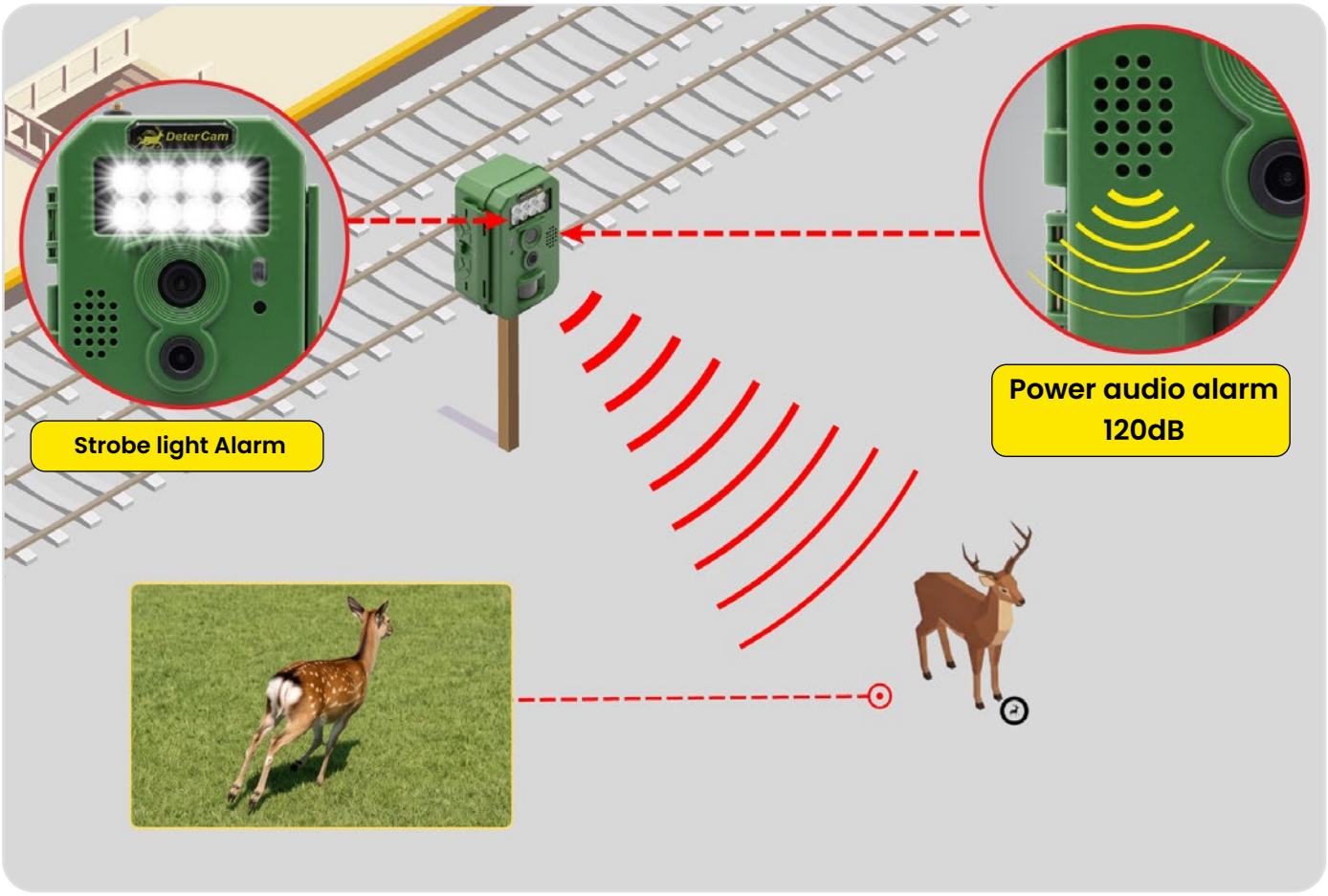


SOLAR PANEL BACK SIDE

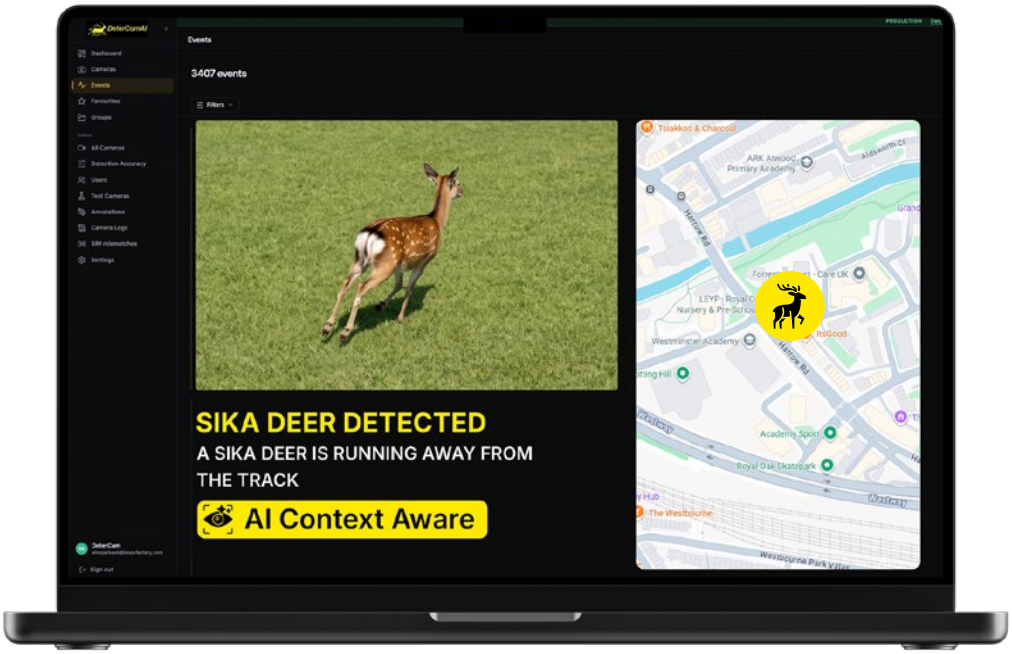
1. Output DC 6V
2. Output DC 12V
3. Power Button
4. Battery Indicator Light
5. Input & Output 5V
6. Mounting Points



DeterCam CORE installation instructions



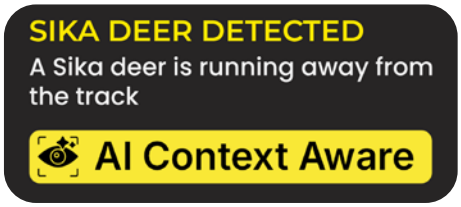
Dashboard

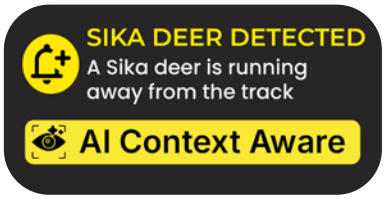


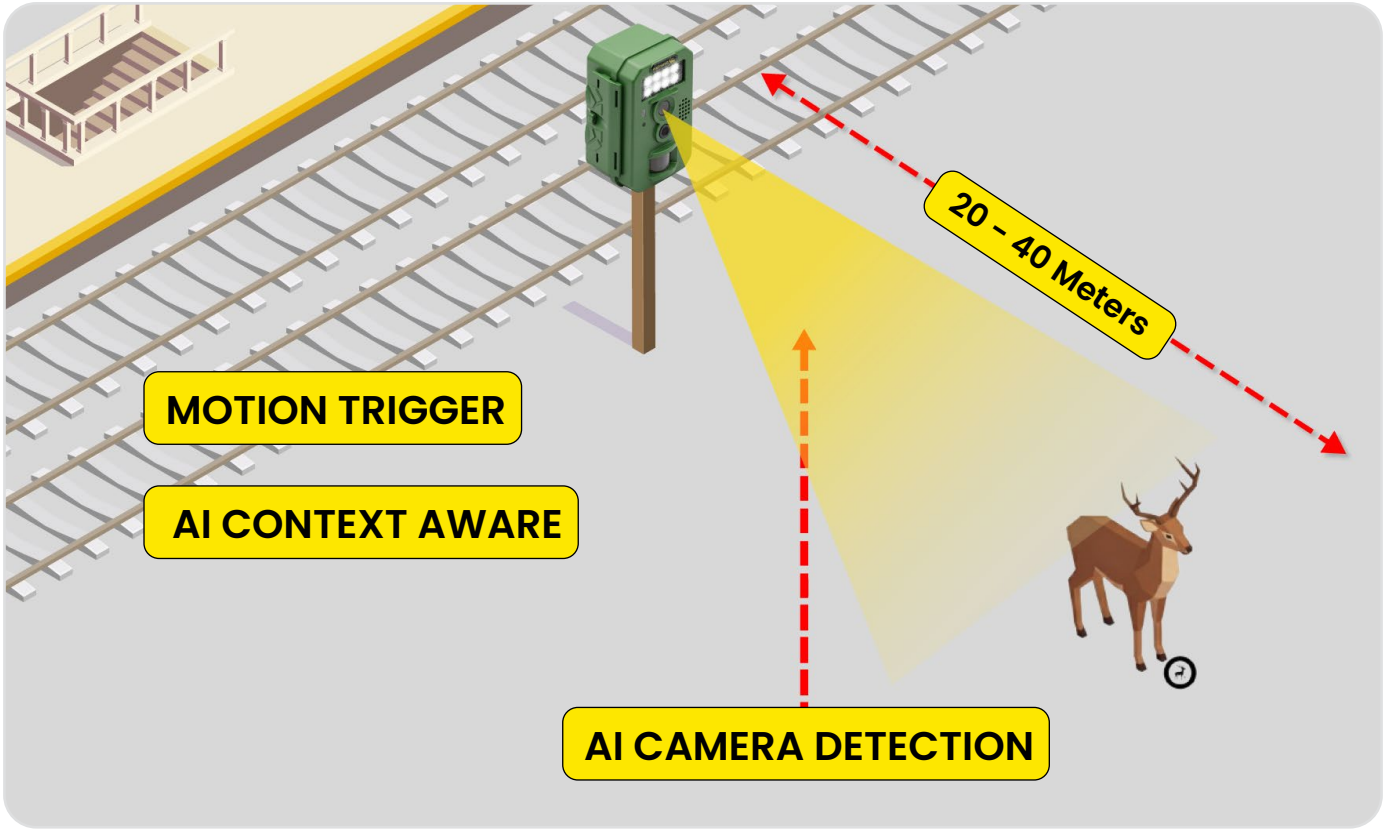
DeterCamApp

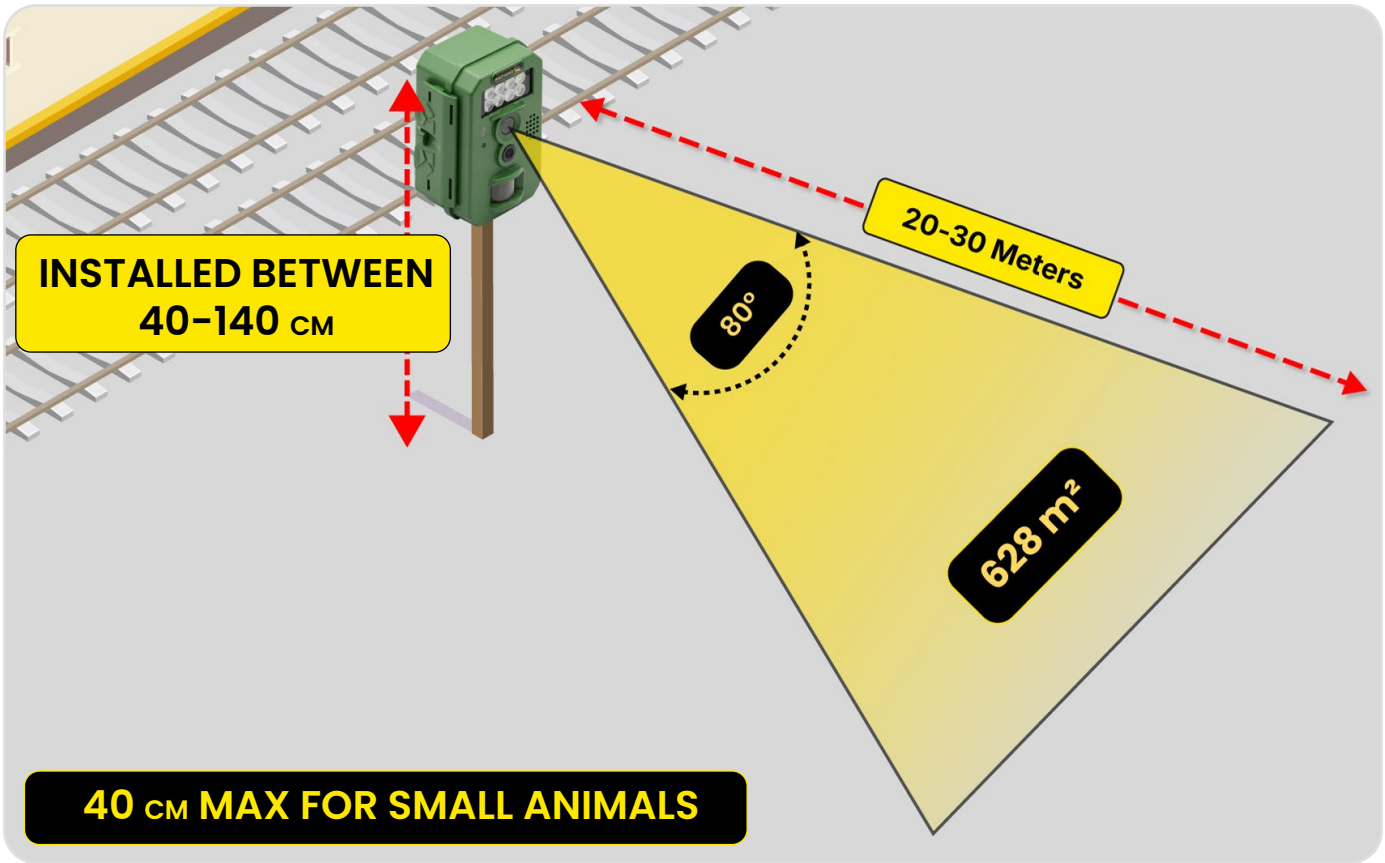


AI Context Aware






20 - 40 Meters
MOTION TRIGGER
AI CONTEXT AWARE
AI CAMERA DETECTION


INSTALLED BETWEEN
40-140 CM
20-30 Meters
80°
628 m²
40 CM MAX FOR SMALL ANIMALS



What's Inside the Box



DeterCam CORE

AI on the edge, and
4G

Fitted inside DeterCam device



Batteries

DeterCam 4000 mAh v4 and
6000 mAh v5 Battery



Antenna

Long-range connectivity
antenna.

Fitted inside DeterCam device



SD Card
(Up to 32Gb)

An SD card is included inside
DeterCam device.

Fitted inside DeterCam device



SIM Card

A Data SIM card is included
inside DeterCam device.

Optional Mounting Accessories



Ground Spike



Cable Tie

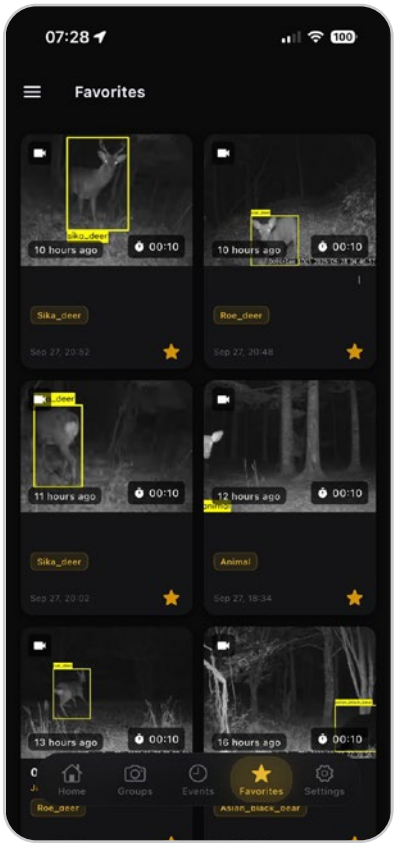


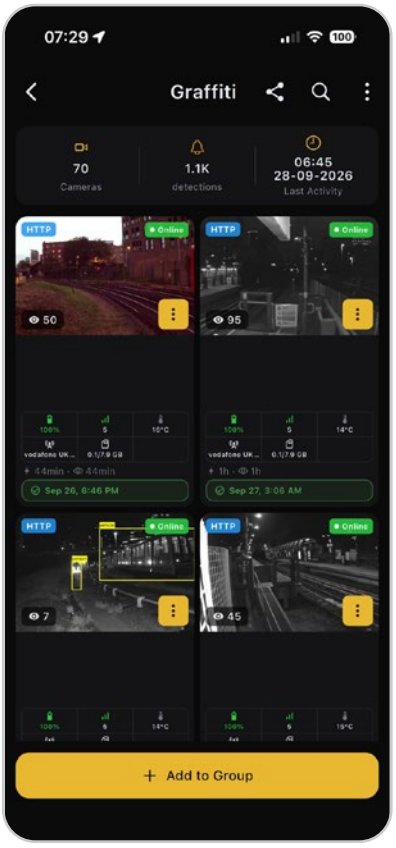
Optional Heavy-Duty Protection

Anti-Vandal Metal Housing: An optional heavy-duty, padlock-secure metal enclosure is available to protect the camera from theft and severe physical tampering in remote deployments.

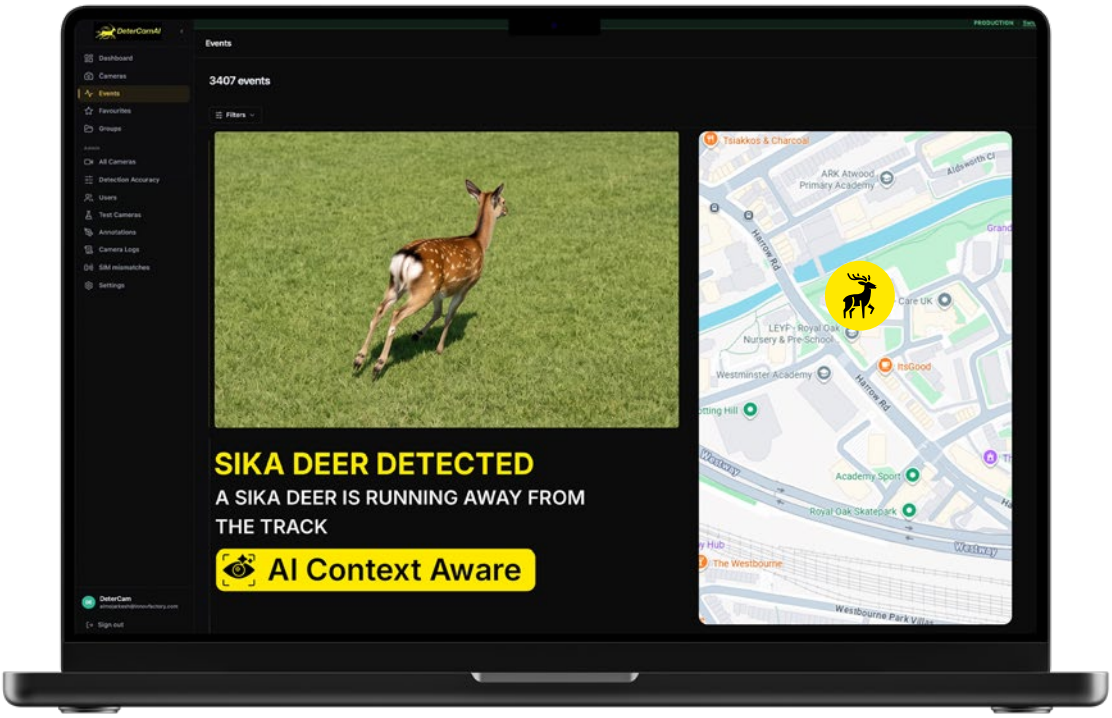
DeterCam App







DeterCam Dashboard



Deployment Environments



Perimeter Fence (Boundary Security)



Light Post (Urban & Infrastructure)



Tree Mount (Covert & Rural)



Short Post (Low-Profile Monitoring)

Trusted By

Iarnród Éireann Irish Rail

LNER London North Eastern Railway

NetworkRail

Transport for London

British Transport Police

HITACHI Inspire the Next

Department for Transport

Keolis Amey Docklands

DLR

DeterCam Support

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