
PAAPL

Peace Arms & Ammunitions Private Limited

A FIRST LINE OF DEFENSE TO SAVE LIVES



COMMITMENT

COMPETENCE

CHARACTER

VISION

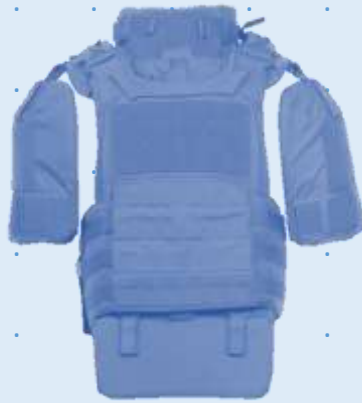
It is our mission to develop unmanned robotic systems to protect our soldiers and to reduce overall casualties. Robotic Systems are intended to provide meaningful reconnaissance and protection. Soldier casualty leads to a reduced morale in the forces. Unmanned vehicles limits the use of extreme measures leading to reduced casualty thereby increasing morale of the forces.

7.



PERIMETER SECURITY SYSTEMS

8.



SMART BP JACKET

9.



REMOTE SURVEILLANCE SYSTEM

7 PERIMETER SECURITY SYSTEM

Sentry is a profile identification and matching device. It can identify the person from a distance. It have AI capabilities of detection of various item like lethal and non lethal products.



Person Identification

Artificial Intelligence would assist in identifying specific Individuals involved in riot making and compare them with select Govt. Databases for post-riot interrogation. Government database access would be provided by RAF.

Evidence Collection

Evidence collected from various camera feeds would be time stamped and collated for later evaluation and documentation.

Suspicious Activity Detection

Artificial Intelligence coupled with Image Processing Cameras would scan the area for any suspicious activity build up. That would help in better soldier response.

Id Verification

ID verification along with Visual identification will ensure accurate tracking of Personnel.



Person Identification

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Biological Marker Detection

Automated measurement of personnel will help in tracking any potential outbreak.



24 X 7 Operation – Day And Night

Artificial Intelligence assisted response system would enable camouflaged detection of intruders at night time leading to bobby traps planting and response planning.

16 SMART BP JACKET | IECS

SMART BP JACKET combines the power of IECS , Medical Wearable and Advanced Materials to protect, map and monitor health parameters in real time giving the commander and soldier an added advantage.

Integrated electronic command system is a mobile cloud platform for monitoring and analyzing the data of soldiers on field and during border patrol.

It provides information of following

- Heart rate
- GPS location
- Near field detection
- Temperature
- Oxygen level
- Blood pressure
- Step count



FEATURES

Commander interface : Commander interface to track position of troops in real time.

Multiple soldiers mapping : Multiple soldiers can be mapped simultaneously for better coordination and support.

Live health monitoring : Live health monitoring to know of personnel in dire need of support.

Bullet proof : Bullet Proof Plates to ensure safety of soldiers in adverse situations.

Localization and mapping : Live mapping to zero in on position of the soldier to retrieve in emergency.

Instant removal : Easy to remove and disengage in case of emergency.

Artificial intelligence support : Artificial Intelligence based algorithms to track and predict in case of ambiguous situations.

Advanced equipment integration : Ability to integrate sensing equipment for future upgrades.

Temperature Sensing : All day step real time temperature monitoring with integrated IR temperature sensor and storage of data remotely through cloud storage.

Real Time GPS : Accurate real time location monitoring with integrated GPS with multiple soldier mapping.

Sorted data plots : Data is sorted and plotted accordingly in days, weeks and month category for quick review and analysis.

8 REMOTE SUSPICIOUS ACTIVITY DETECTOR

Remote suspicious activity systems will be able to provide camp surveillance from a fixed point leading to reduced casualties and intruder intrusions.



PTZ individual homing

Pan Tilt Zoom Camera powered by Image Processing would lock on to certain individuals Identified by the commander and keep them at the centre of Artificial Inf the screen for close observation.

Mob Aggregation

Artificial Intelligence would enable the identification of type of Mob along with the rising Intensity level.

Night surveillance and detection

Artificial Intelligence assisted response system would enable camouflaged detection of intruders at night time leading to bobby traps planting and response planning.

SOS Request

Artificial Intelligence assisted response system would enable Seamless SOS transmission to supporting troops, district magistrate, Hospital Services and Fire Brigade Services.



APPLICATIONS INCLUDE

- Targeted object | person tracking
- Targeted tear gas actuation
- Suspicious activity detection

REMOTE SUSPICIOUS ACTIVITY DETECTOR



SPECIFICATIONS

Features

Shield Material	: Precise casting aluminium alloy
Pan-tilt Carrying capacity	: 50kg(top load)
Angle	: Horizontal 360°continuous
Rotation	: -45°~+45°(-60°~+20° optional)
Speed	: Horizontal 0.01°~12°/s,
pitching	: 0.01°~8°/s
Anti-lightning	: 2000V
Power supply interface	: AC24V
Network interface	: 1×10Base-T/100Base-TX,RJ45
Working temp	: -25°C~+55°C
Storage temp	: -40°C~+65°C
Protection grade	: IP66

Imaging quality

Night vision	: 3000meters
Day vision	: 6500meters
Focal length	: 20~1000mm
FOV	: 0.38°~17.8°
Auto focusing	: Supporting(optional)

Physical features

Power consumption	: ≤150W
Weight	: 10kg

9 MOBILE SUSPICIOUS ACTIVITY DETECTION

AI based evidence management will provide efficient critical data management including selective search and data mining.

AI System Capabilities

1. Automatically detect and classifies
2. Suitable for Outdoor Conditions
3. Low Nuisance Alarm Rates
4. Autonomous PTZ Lock on Target
5. Object Gelocation
6. Camera Agnostic



Evidence Collection

Evidence collected from various camera feeds would be time stamped and collated for later evaluation and documentation.

APPLICATIONS INCLUDE

- Selective face search
- Time logged data search
- Video recording
- Feature extraction
- Pattern recognition

MOBILE SUSPICIOUS ACTIVITY DETECTION



SPECIFICATIONS

Portable PTZ network camera

Camera type	: 1/2.8-in. 2 MP (CMOS)
Video format	: H.264 video compression
Video resolution	: 2 MP (1920 × 1080) at 30 fps
Camera zoom	: Powerful 30x optical zoom
Lens type	: 4.5 mm to 135 mm optical zoom lens
Maximum IR LED distance	: 80 m (262 ft)
Position adjust	: 256 preset positions and 8 tours
Memory support	: Micro SD card, 128 GB maximum
IP rating	: IP66 ingress protection
Warranty	: 5-year warranty

System Specifications

CPU	: Intel i9 10 cores.
Memory	: crossair 64 GB.
Graphics Card	: GeForce RTX 2060.
PSU	: Corsair CX550.
Storage	: Crucial P1 500GB NVMe + Seagate Barracuda 2TB.
Case	: Cooler Master.

The logo consists of the letters "PAAPL" in a bold, black, sans-serif font. The letters are contained within a white rounded rectangle with a thick black border. This rectangle is centered within a larger orange trapezoidal shape that tapers towards the top and bottom.

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