



Aries Defense



CheckPoints™

Paired with any tactical radio or network source, an operator in the field can quickly setup both visible and thermal video cameras from their Aries CheckPoints™ kit and maintain persistent surveillance while providing situational awareness for commanders and other forward deployed units.

FEATURES

Dual Camera Ports

Two cameras can be operated simultaneously with two input ports provided on the CheckPoints™ Dog Bone.

Tactical MANET Radio Compatible

Aries is radio agnostic and can interface with all the major MANET radios available on the market today.

Satcom, LTE, Wi-Fi, Laser Data Radio Compatible

In addition to interfacing with radios all Aries DogBones are compatible with many other data networks.

Four Cameras – 3 Visible and 1 Thermal

CheckPoints™ kit comes with a full set of four cameras and additional lenses to provide dynamic viewing opportunities. Telephoto lenses, 4mm, Fisheye etc.

TAK Enabled

TAK Apps provide turnkey system giving the operator instant access to the camera in a user-friendly, field proven, alerting system that is tablet and mobile device viewable. This distributes the video to any user on the network. WinTAK, MCH, APASS and other standalone apps.

Low SWaP-C

Man wearable ruggedized anodized aluminum enclosure – very small size and weight with very low power requirements at 5 volts.

EMCON

No Wi-Fi or Bluetooth to avoid detection.

USE CASES

Surveillance and Reconnaissance

Active streaming, recording and snapshot capabilities.
Persistent surveillance.
Small form factor for easy concealment.
Change Detection and automatic alerting.

FOB Perimeter Security

Asset Monitoring

Force Protection

Change Detection and Alerting

Situational Awareness





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CheckPoints™

CIVILIAN

Enclosure Dimensions: 3.24" x 3.5" x 1.0"
 Power Requirement: 5 volts at 3 amps
 Enclosure Weight: 184 grams
 Network: Ethernet Standard
 Power: Barrel Adapter
 Video Inputs: USB A Standard x 2
 H.264, MJPEG, AVC, Analog (w/ Aries Peanut Cable)
 OS: Linux Based Aries OS
 Board: Aries Board
 EMCON: No Wi-Fi or Bluetooth hardware or software
 Output Video Stream: MJPEG over HTTP via TCP
 Video Quality: Adjustable 1 – 99% compression
 Video Framerate: Adjustable 1 – 20 FPS
 Video Resolution: Adjustable up to 360 x 480
 Full Remote Settings Customization
 Alert Trigger Threshold: Adjustable 1 – 5000 pixels
 IP Rating: Not Qualified
 TRL: 9
 Operating Temp: -40C to 105C

MIL-SPEC

Enclosure Dimensions: 3.52" x 4.2" x 1.3"
 Power Requirement: 5 volts at 3 amps
 Enclosure Weight: 302 grams
 Network: Ethernet NATO STANAG (Glenair)
 Power: NATO STANAG (Glenair)
 Video Inputs: USB NATO STANAG (Glenair) x 2
 H.264, MJPEG, AVC, Analog (w/ Aries Peanut Cable)
 OS: Linux Based Aries OS
 Board: Aries Board
 EMCON: No Wi-Fi or Bluetooth hardware or software
 Output Video Stream: MJPEG over HTTP via TCP
 Video Quality: Adjustable 1 – 99% compression
 Video Framerate: Adjustable 1 – 20 FPS
 Video Resolution: Adjustable up to 360 x 480
 Full Remote Settings Customization
 Alert Trigger Threshold: Adjustable 1 – 5000 pixels
 IP Rating: 68
 TRL: 9
 Operating Temp: -40C to 105C

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