



Aries Defense



OWIK™

The OverWatch Integration Kit or OWIK™ paired with any tactical radio or network source, allows an operator in the field to quickly network enable their existing video hardware devices utilizing the power of the Aries OverWatch™ DogBone and the provided cables to integrate most common video sources like DSLR, Thermal, HDMI, Display Port, GoPro etc.

FEATURES

Universal Camera Port

Plug-n-play 99% of video into an OverWatch DogBone

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.

Bring Your Own Optics

OverWatch™ Integration Kit (OWIK™) ships with cables to enable connection to a broad array of video hardware sources - HDMI Adapter Cable, USB-C Adapter Cable and Aries PeaNut™ Cable

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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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 Input: USB A Standard
 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 Input: USB NATO STANAG (Glenair)
 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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