Aries Defense

OverWatch™

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 OverWatch™ kit and maintain persistent surveillance while providing situational awareness for commanders and other forward deployed units.

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.

Two Cameras —1 Visible and 1 Thermal
OverWatch™ kit comes with two cameras and additional lenses to provide dynamic viewing opportunities. Telephoto lenses, 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

POWERED BY
ARIES

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OverWatch™

CIVILIAN	MIL-SPEC
Enclosure Dimensions: 3.24" x 3.5" x 1.0"	Enclosure Dimensions: 3.52" x 4.2" x 1.3"
Power Requirement: 5 volts at 3 amps	Power Requirement: 5 volts at 3 amps
Enclosure Weight: 184 grams	Enclosure Weight: 302 grams
Network: Ethernet Standard	Network: Ethernet NATO STANAG (Glenair)
Power: Power Barrel Adapter	Power: NATO STANAG (Glenair)
Video Input: USB A Standard	Video Input: USB NATO STANAG (Glenair)
H.264, MJPEG, AVC, Analog (w/ Aries Peanut Cable)	H.264, MJPEG, AVC, Analog (w/ Aries Peanut Cable)
OS: Linux Based Aries OS	OS: Linux Based Aries OS
Board: Aries Board	Board: Aries Board
EMCON: No Wi-Fi or Bluetooth hardware or software	EMCON: No Wi-Fi or Bluetooth hardware or software
Output Video Stream: MJPEG over HTTP via TCP	Output Video Stream: MJPEG over HTTP via TCP
Video Quality: Adjustable 1 – 99% compression	Video Quality: Adjustable 1 – 99% compression
Video Framerate: Adjustable 1 – 20 FPS	Video Framerate: Adjustable 1 – 20 FPS
Video Resolution: Adjustable up to 360 x 480	Video Resolution: Adjustable up to 360 x 480
Full Remote Settings Customization	Full Remote Settings Customization
Alert Trigger Threshold: Adjustable 1 – 5000 pixels	Alert Trigger Threshold: Adjustable 1 – 5000 pixels
IP Rating: Not Qualified	IP Rating: 68
TRL: 9	TRL: 9
Operating Temp: -40C to 105C	Operating Temp: -40C to 105C

For more information contact Aries Defense
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