

# AiV

## Advanced imaging Viewer 5 Sensor Surveillance Camera



### Features:

**640 X 480/17 $\mu$ m <40mK DETECTOR RESOLUTION.**

**LIGHT WEIGHT <1.85Kg.**

**2.9Km MAN DETECTION.**

**SMOOTH ZOOM.**

**5 SENSORS IN ONE .**

**INTUITVE JOYSTICK CONTROL**

**MULTI BATTERY CONFIGURATIONS  
NO US ITAR EXPORT RESTRICTIONS.**

The Advanced imaging Viewer (AiV), brings innovation and solution to any covert surveillance/ reconnaissance operation, and is the multi sensor camera of choice for Military, Police and Border Security professionals around the world.

The AiV is the first thermal surveillance camera to use the all new Gen 2 sub 40mK NETD detectors from Ullis, and with our TapIR engine core and fast optics, the AiV provides unparalleled performance.



### Technical Specifications

#### Thermal:

Detector : 640 x 480/17µm ,  
 Objective Lens: 75mm Germanium.  
 Field of View: 8.3° X 6.2°  
 Man Detection >2.9Km\*  
 Smooth Zoom : X2, X4 & X8.  
 Polarity: WH/BH & Iron Bow.  
 Start Up: 5 Seconds Typical  
 Man Detection 2900m \*

#### Day/low light camera.

720 TV lp/mm  
 Field of View: 2.5° to 49.5°  
 Zoom: X36

Low Light Sensitivity: Down to 0.003Lux

**Laser Range Finder:-** 905nm/1550nm (Eye safe)

Range/Accuracy: 000m/±1m .

**GPS & DMC:** GPS Accuracy ±1.8m: DMC Compass Accuracy ±1°

#### General:

Display system: Dual 640 x 480 Displays (No intraocular or dioptre adjustment required)

Power: Rechargeable KBT-01R and Primary Cell (KBT-02P 2 x 3.6Vdc D Cells or 6 X AA Lithium ) Twist & Go Packs or 12-36Vdc/240vAc external supply.

Operation Time: 6-10 Hours on Rechargeable KBT-01R pack.

Operational Temp: -25°C to 55°C

Sealing: IP67

Weight: 1800gms ±10% (with Batteries)

\*Performance figures are based on STANAG 4347 using NATO standard targets with an atmospheric extinct coefficient of 0.1

#### Options:

Colours: Green, Grey or Sand.

100mm f1.2 lens

AutoCovert facility

Auto-standby with Auto-wake up or button press wake up.

Laser Pointer (Red or Green),

Built-in Video recorder

Extra Power Packs

AiV Rapid Deployment Surveillance System

### The AiV range offers:

5 Sensors in one package—Thermal, Day/Low light CCD, LRF, GPS and Compass, the AiV can be fitted with an optional Laser pointer.

Smooth Zoom

Intuitive Joystick Control Simple

Twist & Go (T&G) Battery Packs. Comes with both a Rechargeable Pack and an alternative

T&G converter pack for use with conventional D -Cells or AA Batteries.



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