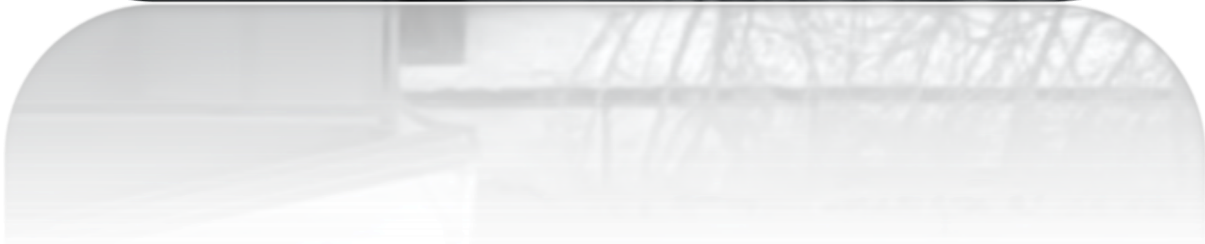


# TiV2 640

## Thermal imaging Viewer Surveillance Binocular



### Features:

**Latest European 640 x 480/17 $\mu$ m  
Detector for maximum performance  
and exportability.**

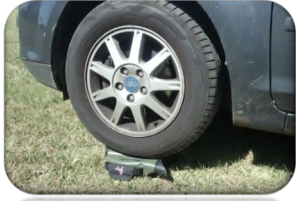
**Man Detection >2.9km\*.**

**Intuitive Joystick Control.**

**Built-in GPS & DMC.**

**Optional AutoCovert**

**NO US ITAR EXPORT RESTRICTIONS.**



The TiV2 640 brings innovation and solution to any covert surveillance/reconnaissance operation. The original TiV was introduced in 2004 and quickly gained an enviable reputation for performance and reliability, the TiV2 640 follows on with this family tradition.

The TiV2 640 is a simple no-nonsense high performance thermal surveillance camera, that is built to the same exacting standards as all iSSUK cameras.

TiV2 640 uses the same light weight but strong body (designed to withstand 30 tonnes) as the AiV75, furthermore because it is built on the same platform as the AiV75, it can always be upgraded to AiV75 specifications at a later date.

### Features.

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 D-cells or AA batteries (2 x 3.6V D Cells or 6 x AA batteries).

### Technical Specifications

#### Thermal:

iSSUK TapIR 640 shutterless Engine Core with SmartCal.

Detector : Ulis 640 x 480/17µm , <50mK NETD. Spectral Response 8-14µm.

Objective Lens: 75mm Germanium.

Field of View: 8.3° X 6.2°

Smooth Zoom : X2, X4 & X8.

Polarity: White hot/Black Hot/Iron Bow

Start Up: <5 Seconds Typical

Man Detection >2900m \*

Built-in Video Recorder

Built-in GPS & DMC

#### General:

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

Power: Rechargeable and Primary Cell (2 x 3.6Vdc D Cells or 6 X AA Lithium ) Twist & Go Packs or 12-36Vdc external power supply.

Operation Time: >10 Hours on Rechargeable pack. (Camera only—no recording)

Operational Temp: -25°C to 55°C

Sealing: IP67

Weight: 1600gms ±10% (with Batteries).

Tripod Mount. Fitted to Battery Packs.

Multiway connectors Video out and external power in.

\*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.

Extra Power Packs.

AutoCovert.

<40mK NETD Detector

#### Kit Includes:

Camera.

Soft Carry Bag.

KBT-01R Twist & Go Battery pack (rechargeable Lithium-Ion 7.4V).

KBT-02P Twist & Go battery pack with Converters for 2 x 3.6V D Cells or 6 X AA (lithium )



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