



argus[®]

thermal imaging from e2v

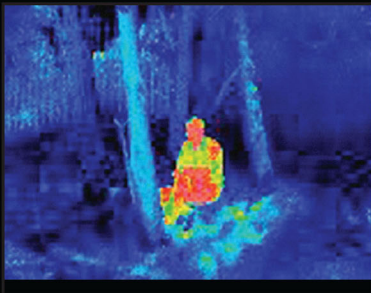
EMBRACE THE LATEST TECHNOLOGY

HANDHELD THERMAL IMAGING FOR LAW ENFORCEMENT

PROTECT OFFICERS | CATCH CRIMINALS | PREVENT CRIME | REDUCE SPENDING

Fugitive/Suspect search

There is no place to hide for criminals. Officers can detect suspects hiding in the dark without being seen themselves. Argus cameras can provide crucial time to call for backup, creating better opportunities to apprehend the person evading capture.



Officer safety

Identify threats to personnel such as hidden suspects, guard dogs, and dangerous obstacles.

Search and rescue

View large areas of land or water, searching rapidly and requiring less manpower than with conventional methods. Thermal imagers can be used whether the search is carried out on foot, or from vehicles or boats.



Detecting evidence

Evidence that has recently been hidden or thrown away can be found much quicker using an Argus camera.

Routine patrols

Officers can quickly and effectively scrutinise between homes and buildings, see into dark garages, entrance ways and under vehicles. Officers can go virtually undetected, as they search for prowlers, and other criminal behaviour.

Training and assessing

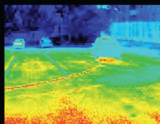
By using an Argus camera, police instructors can easily view and assess trainees in true-to-life night operational training procedures. Using the cameras video recording function will allow a trainee to review their own performance and allow the trainer to give life-saving feedback to help develop the trainee's performance.

Routine raids

Heat signatures left by criminals trying to evade capture during a raid can be easily seen. The cameras can help determine where they may be hiding and help give an estimation of how many criminals were in the property immediately before the raid.

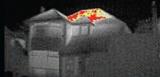
Occupancy evaluation

During a vehicle pursuit, if the occupier/occupiers abandon the car and continue to run on foot, officers can use the camera to determine how many people were inside the vacated vehicle.



Collision investigation

The cameras can help officers locate the collision, identify the number of vehicles or passengers, locate missing parts of the vehicle or missing passengers in the surrounding area.



Drug interdiction operations

Argus cameras can be used to help locate the tell-tale heat signatures of a residential drug factory. The cameras Image Compare™ mode allows users to visually compare a suspect residential address to that of its

neighbours in real time.

Detect hidden compartments

Identify hidden compartments in walls and vehicles. A user could even see concealed objects through clothing.

Finding embedded electronic equipment

Indistinguishable to the eye and touch, small changes to the surface of a wall that may have been caused by embedding electronic equipment within it or from a void being created behind it, can now be quickly detected using the Argus camera Void Finder™ software.



Covert surveillance operations

Thermal imagers can immediately highlight if a vehicle has recently moved (hot tyres, brakes and engine heat reflection). Unlike image intensifier technology, thermal imagers are totally unaffected by light. Consequently they offer superior surveillance capability in an urban situation.



Border surveillance

Criminals or illegal migrants cannot use smoke, fog or the cover of darkness to obscure their presence while attempting to cross a border.

Marine patrol

The cameras can assist coast guards in collision avoidance situations particularly the pitch black of night or in fog.

TTTYPE FTYPE PTYPE

APPLICATIONS

TT TYPE Officer Patrol

The Argus TT TYPE is specially designed to provide the user with the ultimate advantage over criminals. Not only does the TT TYPE detect the heat signatures of people and objects in daylight hours, it also provides an abundance of additional advantages in the dark of night. Users can go virtually undetected while searching for criminal activity and can quickly and effectively scrutinise between homes, buildings and parked cars; even suspects hidden behind foliage are easily detectable.

Selective Colour Settings

Users can choose from several colour settings including simple greyscales (white or black hot), night vision optimised scales and Enhanced Dynamic Scene Colourisation (EDSC) which colourises the thermal image to allow the user to pinpoint suspects within the surveillance scene.

Unparalleled image quality

The 320x240 sensor option provides the highest detail for demanding requirements. The 160x120 sensor option, enhanced with Argus proprietary signal processing algorithms, provides an excellent image for general operation.

Rapid Power-Up

Turns on within 5 seconds from fully off. No need for wasteful standby modes.

Long Battery Life

The Argus TT TYPE uses a modern commercial Lithium Ion battery pack for up to 5 hours runtime. A primary cell adapter is also available for use with standard Lithium AA camera cells.

Rugged and Easy to Use

Tough, waterproof and easy to operate, the TT TYPE can be relied upon in the most difficult environments.

Integrated Torchlight

The camera has an integrated torchlight to assist night time search operations. The torch can be turned on/off independently of the thermal image.

Lens Options

Available in two 'Field of View' (FoV) options: 50° FoV is ideal for close work inside buildings, 25° FoV gives excellent all-round capabilities.

SceneSave™

Digital image capture of more than 500 images on the removable memory card.

SceneSave™

Video capture; record over 2.5 hours of video on the removable memory card.

On Screen Set-up Menu

The Argus TT TYPE on-screen menu allows the user or organisation to adjust various camera settings using the menu buttons.

Customisable Start-up Screen

Organisation names and logos can be displayed at power-up for asset tracking and/or personalisation.

Direct Temperature Measurement (DTM)™

Displays the temperature of objects within a defined area at the centre of the thermal scene.

Time and Date

The current time and date is displayed at the top of the viewing screen and on all recorded images and videos.

x2 and x4 Zoom

x2 digital zoom allows the user to get closer to the scene for improved investigation, identification and surveillance. 320x240 sensor models also have x4 digital zoom for even better magnification.



F^{TYPE} Specialist Search

The Argus F^{TYPE} offers a simple-to-operate configuration: it is a robust, self-contained camera with fully automatic operation. It is lightweight at less than 3lb, rugged and capable of withstanding harsh environments. The F^{TYPE} uses a high-resolution 320 x 240 pixel Amorphous Silicon (ASi) microbolometer detector. It has been designed using advanced digital imaging technology providing the F^{TYPE} with the sharpest picture available and superior performance. The F^{TYPE} comes with the most advanced features available in any thermal imaging camera on the market. These include:

Void Finder Technology™

When selected, this clever automatic function helps the user to scan an area (e.g. walls or equipment inside of a room) looking for anything unusual (e.g. electronic equipment that may have been embedded, any voids within a wall or any area of a wall that may have been tampered with).

Enhanced Dynamic Scene Colourisation (EDSC)

Image Compare Technology

This mode allows the user to fix the camera's dynamic range to image and compare scenes in real time. A house being investigated as a suspected drug factory can be viewed with the camera and then, using the image compare mode, view a neighbouring house using the same dynamic range setting. If the image gets darker, it implies that the first (suspected) house is much hotter, contributing to evidence that the house could be a residential drug factory.

SceneSave™

Digital image capture and storage of a 100 images with optional video capture is available.

Dimmable LCD Display

x2 and x4 Zoom

x2 digital zoom allows the user to get closer to the scene for improved investigation, identification and surveillance. 320x240 sensor models also have x4 digital zoom for even better magnification.

On Screen Set-up Menu

The Argus F^{TYPE} on-screen menu allows the user or organisation to adjust various camera settings using the menu buttons.

Customisable Start-up Screen

Organisation names and logos can be displayed at power-up for asset tracking and/or personalisation.

Direct Temperature Measurement (DTM)™

Displays the temperature of objects within a defined area at the centre of the thermal scene.

Time and Date

The current time and date is displayed at the top of the viewing screen and on all recorded images and videos.



FEATURES

P^{TYPE} Covert Surveillance

The Argus P^{TYPE} is a handheld, robust, simple-to operate, lightweight thermal imaging monocular camera which can power up fast. It is capable of withstanding harsh environments and contains many of the most advanced features available on the market.

Unparalleled image quality

The 320x240 sensor option provides the highest detail for demanding requirements. The 160x120 sensor option, enhanced with Argus proprietary signal processing algorithms, provides an excellent image for general operation.

Lens Options

A choice of lens options which allows the camera to be used in surveillance operations, images captured within 100 meters up to a distance of 1000 meters.

Long Battery Life

The P^{TYPE} uses a modern commercial Lithium Ion battery pack for up to 5 hours runtime. A primary cell adapter is also available for use with standard Lithium AA camera cells.

Rugged and Easy to Use

Tough, waterproof and easy to operate, the P^{TYPE} can be relied upon in the most difficult environments.

x2 and x4 Zoom

x2 digital zoom allows the user to get closer to the scene for improved investigation, identification and surveillance. 320x240 sensor models also have x4 digital zoom for even better magnification.





argus[®]
thermal imaging from e2v