



# ARCAS

## Assault Rifle Combat Application System

### Key Features

- Automatic Target Recognition
- Video Motion Detection
- Smart Navigation
- Fire and Motion Detection
- Range Estimation
- Ballistic correction
- Open Architecture
- Flexible design and configuration
- Shooting out-of-position
- Cutting-edge user interface

The Assault Rifle Combat Application System (ARCAS) is a unique computer platform for assault weapons, designed for the future infantry soldier. ARCAS provides a wide range of advanced capabilities for enhanced combat lethality, soldier survivability and improved situation awareness. Connecting to various applications, reconnaissance networks and combat management networks.

ARCAS transforms any assault rifle into a smart weapon. The flexible solution can be modified to existing equipment, and/or customized to operational requirements. Offering two configuration options, that enable using a thermal or electro-optic sight.

With Human Target detection range at 580m, Recognition range of 250m and Identification at 120m, the ARCAS also provides the user with a 800x600 OLED display

# XACT-NV32

Compact Night-Vision-Goggle Monocular

## ARCAS 1:

A System which includes a built-in weapon sight.



## ARCAS 2:

A system which enables use of any weapon sight, as needed.

### Situational Awareness



Friend or Foe Identification



Video anchoring of the scene



Connection to C2/C4I systems



MESH communication



GPS

### Survivability



Shooting from shelter



Identifying targets



Day Camera



Shooting Detection



Movement Detection

### Lethalness



Cold Calibration



Control of weapon stoppage



Fire Control



Shooting from the waist



Automatic Passive range estimation



Day and Dusk vision



Shot Counter



Night Vision

### Additional Capabilities



Recording



Compass



Wi-Fi and BT



Internal Microphone



Energy in the strap



Training Mode



Navigation



Paramedic Assistant

instro

**Instro Precision Limited**

Tel : + 44 (0) 1843 604455 Fax : + 44 (0) 1843 864143

Email : [marketing@instro.com](mailto:marketing@instro.com) Web : [www.instro.com](http://www.instro.com)

