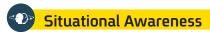
# **ARCAS**

# Assault Rifle Combat Application System

# Sophisticated applications and advanced technologies

ARCAS supports the development of applications in an open architecture environment, enabling integration of additional assault weapon solutions. The system features a wide range of advanced applications, incorporating advanced sensors, artificial intelligence (AI) software and augmented reality (AR) capabilities.





Friend or foe identification

Connection to

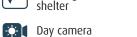
C<sup>2</sup>/C<sup>4</sup>I systems

of the scene

communication







Shooting detection

Identifying targets



### Lethalness



Cold calibration

Fire control



Control of weapon stoppage

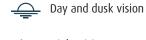


Shooting from the waist



range estimation

Shot counter



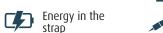
# **Additional Capabilities**







Internal microphone



Training mode

Compass



Paramedic assist



# **Technical Specifications**

		17μ ARCAS	12μ ARCAS
Thermal sensor		Uncooled 640x480 17µ	Uncooled 640x480 12µ
HFOV		27°	
Human Target DRI Ranges	Detection	580m	
	Recognition	250m	
	Identiffication	120m	
Display type		800x600 OLED	
Total weight (inc. batt.)		1000g	850g



Security & Tactical EO Solutions – ELSEC

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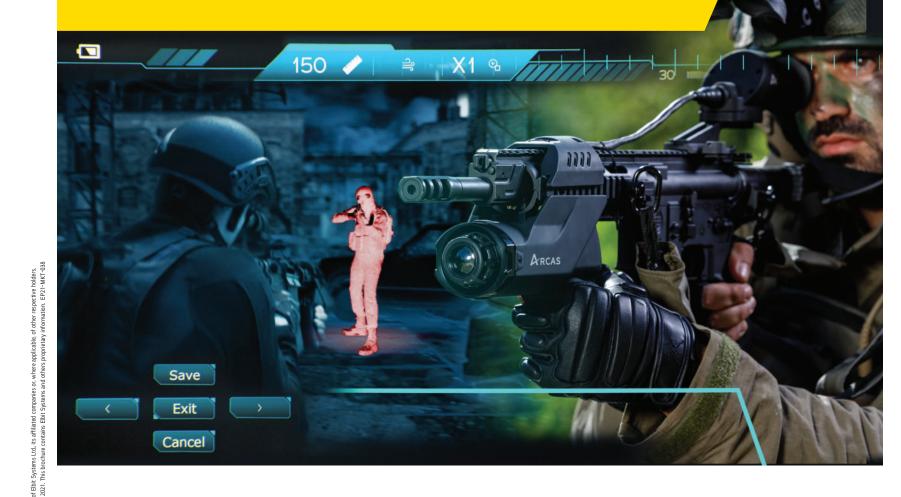
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# **ARCAS**

**Assault Rifle Combat Application System** 





# **ARCAS**

# Assault Rifle Combat Application System

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 situational awareness, connecting to various applications, reconnaissance networks and combat management systems.

#### Flexible design and configurations

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

### ARCAS 1:

System includes a built-in weapon sight



## ARCAS 2:

Enables use of any weapon sight, as needed





### Shooting out of position

ARCAS is designed to relay data through the weapon sight.

The images from the optic system are sent directly to the eyepiece and displayed on a cutting-edge user interface with unique digital display technologies, providing the soldier with new shooting options – such as shooting out of position or around corners.

### Unique operational capabilities

ARCAS features open a world of possibilities:

- Automatic Target Recognition (ATR)
- Video Motion Detection (VMD)
- Smart Navigation
- Fire and Motion Detection
- Range Estimation
- Ballistic Correction





