

BAA2

Observation and Reconnaissance System



- 4 high-performance sensors
- Motion detection
- Thermal imager and CCD camera image fusion
- Laser target illuminator



We make it visible.

BAA2 - Observation and Reconnaissance System

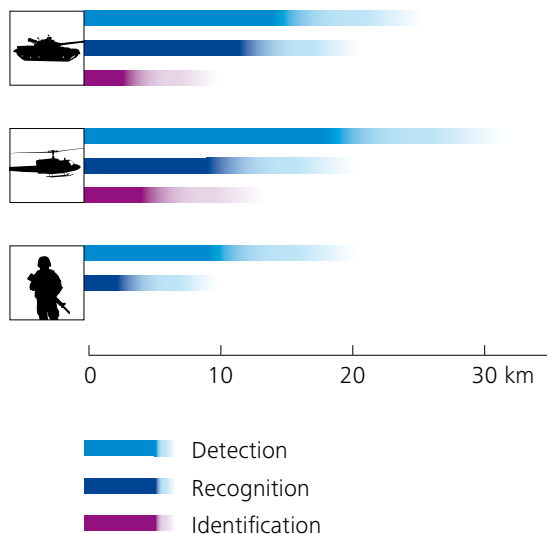
Reconnaissance, observation, engagement: the BAA2 is the next generation of the mission-tested observation and reconnaissance system of German army recon troops. The sensor head, which can also be deployed remotely away from the vehicle, combines four high-performance sensors: a 3rd generation thermal imager, a high-resolution CCD camera, a laser rangefinder and a laser target illuminator.

The device can be easily integrated into an existing information and command system, and can be expanded at any time thanks to its modular design. An automatic motion detector supports the user even on longer missions. The sensor fusion function combines the data from the thermal imager and the CCD camera to create a single image.

Range of application:

- Observation & reconnaissance
- Target illumination
- ISTAR

Detect and identify in a 1° x 0.8° field of view with ATTICA:



Technical Data

ATTICA thermal imager

Wavelength	3-5 μm
Detector	640 x 512
4 Fields of View	16° x 12,8° 8° x 6,4° 2° x 1,6° 1° x 0,8°

CCD camera

Resolution	752 x 576
4 Fields of View	16° x 12° 8° x 6° 2° x 1,5° 1,25° x 0,9°

LDM 43 laser rangefinder

Type	Class 1M, eyesafe laser rangefinder
Pulse rate	1 Hz / 3 Hz burst
Range	10 km

Laser target illuminator

Wavelength	860 nm
Range	Assignment: up to 60 km Illumination: up to 10 km

Platform

Elevation	-30° to +70°	
Azimuth	n x 360°	
Positioning speed	≤0.5 mrad/s to ≥0.1 rad/s (Elevation)	
	≤0.5 mrad/s to ≥0.7 rad/s (Azimuth)	
Power supply	18 V to 32 V	
Weight	Control unit	<25 kg
	Sensor head	<28 kg
	Pan-and-tilt head	<29 kg
Dimensions	530 x 435 x 360 mm (W x H x L)	
(Sensor head and pan/tilt head)		



Control and display unit.

Carl Zeiss Optronics GmbH

Carl Zeiss Group
73446 Oberkochen
Germany

Phone: +49 73 64 20-6530
Fax: +49 73 64 20-3697
optronics@zeiss.de
www.zeiss.com/optronics