



CRITICAL **VISION**

OVERVIEW

HIGHLY LOCALISED 360° SITUATION AWARENESS

ADVANCE PRODUCT INFORMATION

OVERVIEW is a highly localised situation awareness sensor sub-system that provides the driver of large vehicles with a view of the immediate environment, down to a zero range ground intercept. It is an optimized capability for armoured or large military vehicles with restricted visibility of obstacles and people in close proximity, across 360 degrees. **OVERVIEW** facilitates safe and effective maneuvering, and detection of threats or safety concerns close to the vehicle.

KEY BENEFITS

- Provides detailed view of the ground situation, up to and including wheel or track lines
- Enables effective assessment of ground condition, ahead and behind
- Provides crew with full visibility of traditional blind spots
- Can facilitate reduction or removal of banksman task
- Integrates with human and artificial intelligence close-in threat detection systems
- Improves safety for dismounted troops
- Complementary to long-range vehicle video systems, including Rheinmetall's **TRAILBLAZER** Driver Vision System
- Integrates into standalone and open architecture systems

The **OVERVIEW** system comprises of several high specification sensors placed around the vehicle for highly localised situational awareness. The system is compatible with Rheinmetall's **TRAILBLAZER** camera modules, delivering a holistic 360° view around the vehicle, in order to improve driver visibility and safety for dismounted crew. Its highly intuitive real-time video output is presented to the driver or other crew users over networked or point-to-point video interfaces.

APPLICATIONS

OVERVIEW is ideally suited to large logistic and armoured vehicles, including troop transport, specialised engineering and fighting vehicles. It can be easily optimised to a variety of platforms with its scalable sensor count and flexibility of deployment locations.

TECHNICAL DATA

Sensor

Low Light Visible	Power consumption <25 W
Thermal LWIR uncooled	Power consumption <40 W

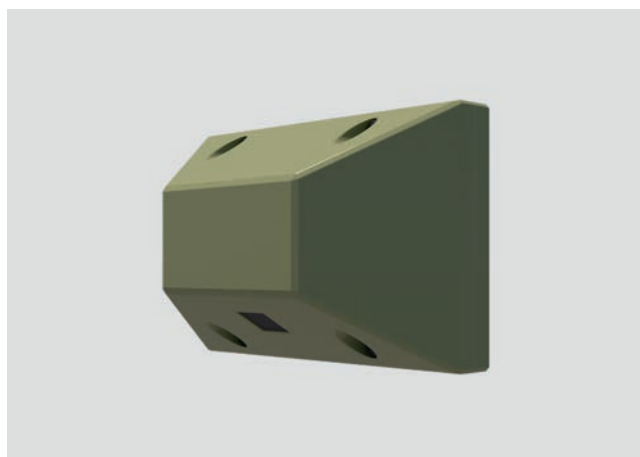
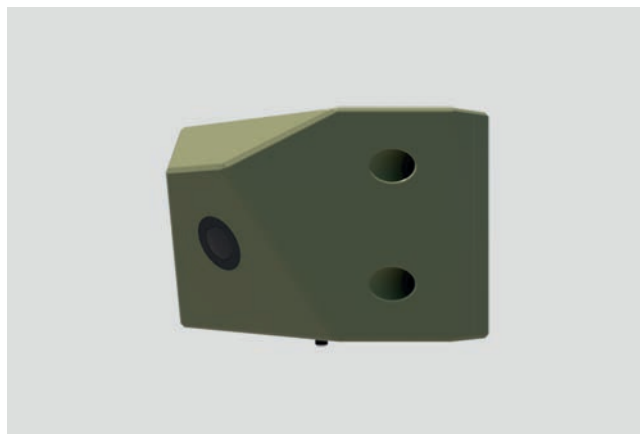
Processing

Distortion correction
Automatic gain control
Contrast enhancement

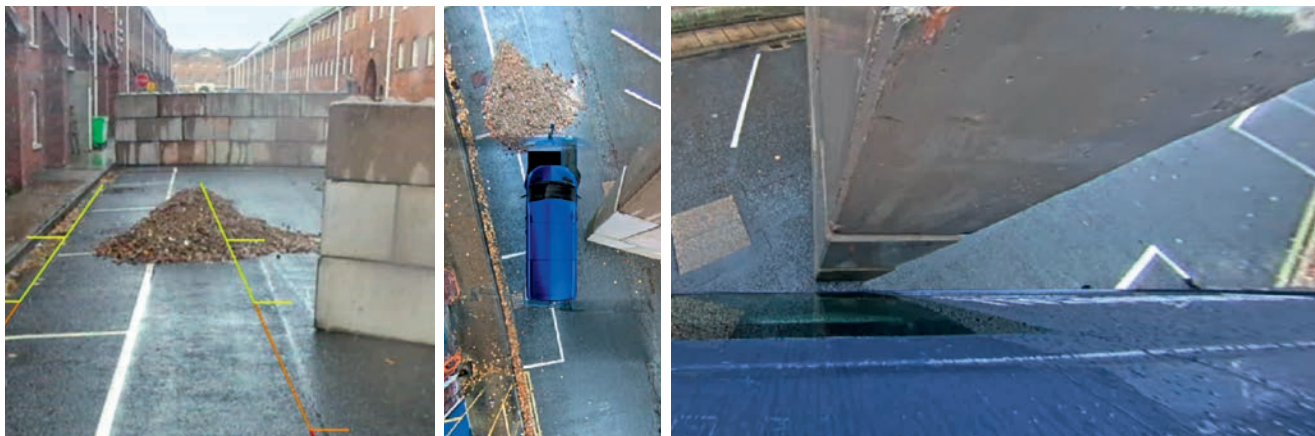
Overall Dimensions (W x H x D)

Sensor package	180 x 100 x 100 mm
Sub-processor	excl. connectors 220 x 90 x 300 mm
Video output	Ethernet: DEFSTAN 00-082, RTP, UDP
	Digital video: DVI, SDI
Control	Ethernet: GVA DEF STAN 23-009
	Digital interfaces: CAN Bus (J1939), RS422
Qualifications	DEFSTAN, MIL-STD, CE, UKCA and
	Customer specified ¹⁾
Connector	Circular

¹⁾ Contact Rheinmetall for details

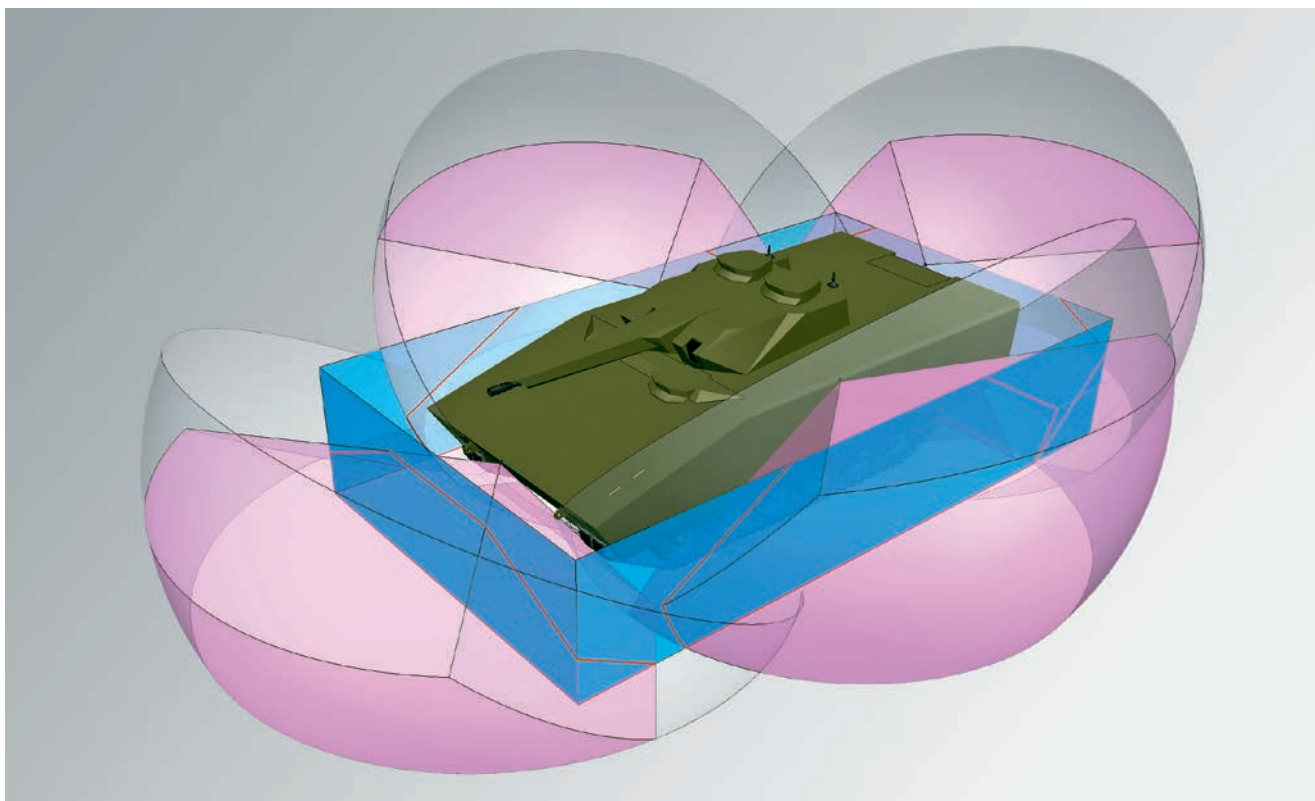


OVERVIEW provides a short-range sensor subsystem delivering excellent all-round visibility, down to the ground, and in the immediate vicinity of the vehicle including wheels or tracks. With open architecture interfaces and a native point-to-point video output, it combines several small, wide-angle, low-light sensors to deliver an intuitive bird's-eye view to the user. **OVERVIEW** provides excellent visibility of objects and personnel close to the vehicle in real-time, and additionally delivers specific fields of view for close inspection, for example, when maneuvering close to large obstacles.



OVERVIEW is installed in locations which maximise the field of view to the immediate surroundings of the vehicle. The installation insures the tracks or wheels of the vehicle are included in the line of sight and the ground surface in front of, and to the rear of the vehicle. The location and number of sensors is scalable to realise the required visibility,

overcome specific blind-spot issues, reveal tool or special equipment external perspectives to the crew, or to maximise detection and recognition in threat detection applications. Contact Rheinmetall system engineers for specification support and recommendations.



NOTE: REUK reserves the right to change product parameters without notice.

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