



CORDIS ARRAY II

The Cordis Array II (CRE2) product family meets the demands for tactical operations where digital high capacity communication and reliable data transfer are crucial for efficient and safe missions. The system operates in C-band and is field-proven with high data rate communication over long distances. Phased array technology with electronic beam-steering beams gives significant advantages for tactical wireless links with high mobility.

Robust with encryption

The CRE2 with phased array technology enables high speed, high capacity and extremely robust data, voice and video transfer between multiple nodes in ad hoc networks. The CRE2 portable units can handle obstructions and provide stable performance in both close-by operations as well as line-of-sight distances exceeding 20 kilometers¹. Extra TRANSEC is provided by digital beamforming. COMSEC is provided by AES-256 link encryption in hardware.

Connecting remote nodes

The CRE2 connects troops with a high capacity digital communication system. QoS handles low latency data streams and high priority sensor data. The system can transfer encrypted feeds with live video, location data and other network traffic, binding together tactical units in a network centric system that increases operational efficiency.

Tactical camera for dismounted soldier

The CRE2-CAM tactical camera is an accessory to the CRE2-144-M2 tactical radio. The camera is watertight, submersible class IP68 and rugged for military operations with Easy-Clean connector for resistance against dust, mud and water in the field.

IP camera for live streaming

The CRE2-CAM has a built-in H.265 and H.264 video compressor and has a built-in video server designed for live video streaming for wireless transmission. The interface is Ethernet and the camera can easily be integrated with other units in an IP-centric tactical system. The CRE2-CAM is designed with high-end optics with wide field of view without lens distortions. A large aperture lens and sensitive video sensor give excellent picture quality in low light conditions.

Easy to mount

The CRE2-CAM is delivered with a velcro helmet-mount bracket for mounting on any side of the helmet. The camera also has a standard tripod thread that allows for easy mount of all standard camera brackets or tripods.

¹ CRE2-144-M2 to CRE2-189 at 7 Mbps

CRE2-CAM

Features

- *Watertight/submersible for naval missions*
- *All parts made in lightweight aluminium*
- *Wide angle 90° horizontal field of view*
- *Low lens distortion - no fish-eye effect*
- *Large lens aperture for high sensitivity*
- *Sensitive video sensor for low light conditions*
- *Night mode with automatic IR filter select*
- *H.265 and H.264 video converter*
- *IP video streaming server for live streaming*
- *Ethernet connection for easy integration*



Technical specifications

Electrical parameters:

Power supply : 9-36 VDC
Data interface : Ethernet 10/100baseT

Optical parameters:

Horizontal field of view : 90 °
Standard optical distortion : 7%
Lens aperture Resolution & frame rate : f/1.8
: 1920 × 1080, 30 fps

Mechanical parameters:

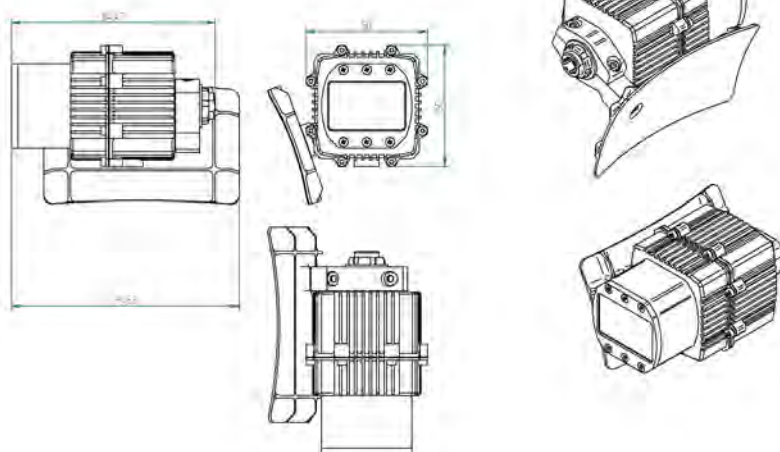
Size : 84,47 × 50 × 50 mm
Weight : 140 g

EMC:

Radiated emissions : MIL-STD-461F RE102
Conducted emissions : MIL-STD-461F CE102

Environmental:

Ambient tem. range : -40 °C to +40 °C
Water/dust protection level : IP68 (Submersible)



Specifications subject to change without further notice