

3 Introduction

3.1 System overview



SCV-A1-10

Small craft variant

The SharpEye™ SCV is an X-band lightweight coherent radome radar utilising core SharpEye™ technology. The SharpEye™ transceiver has been designed for watercraft ranging from RHIBs up to 35m and fast watercraft operated by coastguards, search and rescue, customs, police, Special Forces, armies or navies.



SxV-A1-10

Land surveillance

The SharpEye™ SxV is an X-band system that is mechanically and electronically identical to the SharpEye™ SCV series however the clutter performances have been enhanced for fixed or mobile land based applications.

Features:

The SharpEye™ SCV and SxV series offers low cost, low power consumption, lightweight design, ultra-high reliability and superior performance

Key features of the SCV/ SxV include:

- Simple connectivity with two waterproof connections for DC power and LAN connection
- Anti-jamming
- Low power counter surveillance/ covert mode
- GNSS position and heading output



Power:

The system operates from a +24 to +30VDC power source.

Radome radar:

The SharpEye™ SCV and SxV radome radars are sealed units that contain the following key components:

- A 530mm horizontally polarised array
- SharpEye™ transceiver processor
- Internal DC/DC power supply
- A Gigabit Ethernet LAN interface (see section 10.2 for details on compatible Network Switches)

Detection:

Doppler processing enables the detection of extremely small and slow targets in inclement weather conditions day or night.

Mounting:

The SCV and SxV has been designed for easy installation on radar arches, masts, static masts and tripods and has a flexible interface making the system display independent.

Environmental:

The systems have been designed to withstand the vibration and shock levels found on RHIBs, small craft, vehicles etc. and be dustproof and waterproof to IP67.

System integration:

Additional details on system integration are available upon request. Please contact Kelvin Hughes Ltd for information, contact details can be found at the end of this publication.

Kelvin Hughes Radar Manual

JL Elias



Kelvin Hughes Radar Manual:

Unveiling the Power of Verbal Art: An Psychological Sojourn through **Kelvin Hughes Radar Manual**

In some sort of inundated with displays and the cacophony of quick communication, the profound energy and psychological resonance of verbal artistry often fade into obscurity, eclipsed by the continuous assault of sound and distractions. Yet, set within the musical pages of **Kelvin Hughes Radar Manual**, a charming perform of fictional elegance that pulses with raw feelings, lies an remarkable journey waiting to be embarked upon. Penned by way of a virtuoso wordsmith, that interesting opus manuals visitors on a psychological odyssey, softly exposing the latent possible and profound affect stuck within the elaborate web of language. Within the heart-wrenching expanse of this evocative evaluation, we shall embark upon an introspective exploration of the book is key themes, dissect its captivating writing model, and immerse ourselves in the indelible impact it leaves upon the depths of readers souls.

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