



## Exelon 4x50 (Sku # 24102)



Additional links: [Manual](#)

### Exelon 4x50

Sku # 24102

The Exelon 4x50 night vision monocular with a super tube is a professional device with enhanced image quality through the entire field of view. A unique optical arrangement of the objective lens, coupled with a new, specially designed tube of a new type, has contributed to the high resolution and lack of distortion through the entire field of view. This unit operates both in the passive mode (without man-made sources of light) and in the active mode (with the IR illuminator on). The Exelon 4x50 is designed for outdoor observation, guarding and terrain orientation within a wide range of natural night light - from twilight to total darkness. The Exelon has a built-in IR-illuminator intended for use in moonless cloudy conditions in total darkness. The unit is equipped with two 1/4 inch sockets that allow the device to be attached to a head mount and used as a mono goggle. Its surface is rugged for extreme field conditions. The Exelon unit is fully self-contained and can work up to 50 hours on one CR123A battery at temperatures ranging from -30 °C~+ 40 °C.

## Overview

### Optical Arrangement



Due to the spherical shape of the tube's photo cathode, the device produces enhanced resolution on the entire surface of the screen, measuring from 42 lines/mm in the centre to 32 lines/mm on the edge.

### CF-Super Tube



Combination of the tube and 50mm R-Contact objective lens provides crisp and geometrically precise image without distortion even in the peripheral areas of the tube's screen.

## Features and Benefits

- High Light Gathering Capacity
- R-Contact Optical Arrangement
- Enhanced Resolution Comparable to gen. 2+
- "Flat" Image (Distortion Free)
- Large Viewing Range
- Fine Ergonomics
- Photo- and Video Adaptable



## Specs

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Model	24102
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Tube Type	CF-Super
Magnification, x	4
Lens Diameter, mm	50
Field of View, degree	13
Range of Detection, m	500
Recognition Range, m	250
Diopter Adjustment, D	± 4
Resolution, lines per mm: field of view - center	40
Resolution, lines per mm: field of view - edge	32
Power Supply, V	3V (CR123A)
Tripod Mount, inch	1/4 (2 sockets)
Grade of water-resistance	IPX4
Dimensions, mm	198x87x60
Weight, kg	≈ 0.5

## Package Contents

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- Exelon 4x50 unit
- Carrying Case
- User Manual
- Warranty Card
- Cleaning Cloth