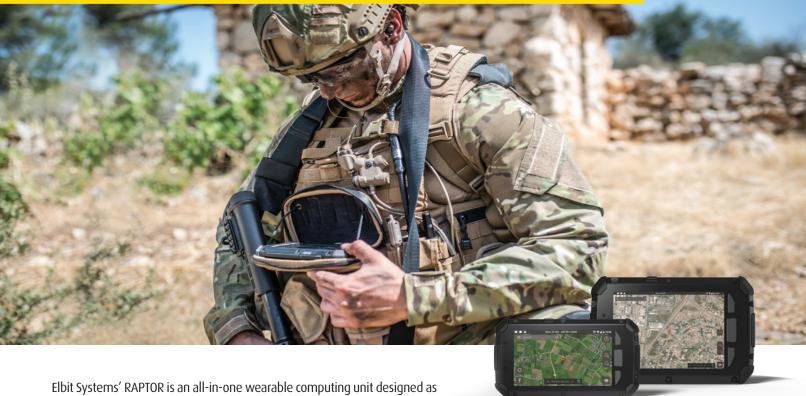# RAPTOR

Compact, rugged, all-in-one tactical solution for the dismounted soldier

Elbit Systems' RAPTOR is an all-in-one wearable computing unit designed as an optimal tactical solution for the dismounted soldier. A core component of Elbit Systems' Dominator™ suite, RAPTOR enables forces to dominate the battlefield by empowering dismounted soldiers with full situational awareness through net-centric integrated information systems.

High performance tactical solution in a single unit – RAPTOR features open architecture computing and communications capabilities housed in a single wearable lightweight device, enabling the squad commander to view a real-time common operational picture on an advanced display; send and receive live target and mission data; and manage all phases of combat including planning, briefing, execution and debriefing.

Fully integrated with tactical networks – RAPTOR hosts Elbit Systems' command and control application (i.e., DTAC2) and integrates the soldier's personal radio, supporting secure communications and uninterrupted access to information. The device runs on an Android operating system and incorporates a variety of standard interfaces to facilitate communications with a wide range of radios and sensors. RAPTOR also acts as a standalone C² solution when detached from the cradle, enabling additional flexibility during missions.

Elbit Systems™

C⁴I and Cyber

RAPTOR

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Intuitive Android-based User Experience (UX) for dismounted forces – RAPTOR's small dimensions, light weight and ergonomic design are tailored to battlefield conditions, allowing for ease-of-use without interfering with the soldier's fighting ability. The military-standard RAPTOR can be supplied either in a smartphone or tablet format and can be detached from its cradle for standalone usage with no cables required. The rugged, sealed and low-power design is drop and shock resistant, and can withstand harsh environmental and electromagnetic compatibility conditions, including extreme temperatures, moisture, dust and vibration.

Key Features

- Lightweight, wearable computer
- All-in-one device including advanced multi-touch display, computing and communications components
- Built-in GPS and digital compass
- Sunlight readable display
- Highly integrated with C^2 networks and most handheld radios
- Supports Android operating system with open architecture
- Low-power design
- Manufactured and qualified to MIL-STD-461E and MIL-STD-810F

Operational Benefits

- Designed to support a range of missions and applications
- Real-time situational awareness
- Intuitive Android-based operation
- Rugged and tailored to withstand harsh environmental conditions
- Ideal for widespread deployment

Display

- Super AMOLED capacitive touchscreen, 16M colors
- Multi-touch
- Size: 5.1 inches
- Resolution: 1440 x 2560 pixels
- Protection: Corning Gorilla Glass 4

Dimensions

- Dimensions: 170 x 91 x 23 mm
- Weight: 370 gr

Environmental

- Operating temperature: -32° to +55°C
- Non-operating temperature: -32° to +71°C
- Compliant with MIL-STD 810F and IP67

Electromagnetic compatibility

- Compliant with MIL-STD 461E

Technical Specifications

Computer and peripherals

- CPU: Quad-core 1.5 GHz Cortex-A53 & Quad-core 2.1 GHz Cortex-A57
- Storage: 64 GB, 3GB RAM

Interfaces

- USB 2.0 Host and USB 2.0 OTG
- 2x RS-232 (Synchronous and Asynchronous) to interface with radio or any other sensor

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