

FALCON X

**MODULAR, REMOTELY CONTROLLED &
GYRO-STABILIZED MULTI-PURPOSE PORTABLE PLATFORM**

USP:s

GENERAL: With it's innovative modular design, FALCON™ presents a new generation Gyro- Stabilized Portable Platform designed for multiple applications. FALCON™ is developed to enable precision shooting with low exposure. Falcon is a true multi-purpose tool created to enhance Your operational capabilities. Falcon is especially designed to be used in harsh marine environments and manufactured using marine grade components.

Falcon provides excellent situational awareness with it's electro-optical system

Falcon can be used on various types of moving vehicles and airborne platforms using unique quick-mount system.

The FALCON is the only unit of it's kind developed with advanced auto-guard technology for security and special operations, more info on request.

KEY ADVANTAGES:

- Man-Portable, lightweight universal platform for precision shooting & non-lethal applications
- Much more versatile than conventional RWS
- Quick-mount system allows efficient mounting on various vehicles, boats & air-born platforms
- Quick weapon mount enables usage of various types of weapons or devices
- Slim construction for reduced radar signature
- Low weight: < 30 kg
- Falcon Lithium battery pack allowing up to 12h of full system operation
- Auto-tracking mode
- Unique Auto-Guard & Auto-Scan system
- Multi Falcon compatibility
- Wired or wireless encrypted remote control
- NVG-adapted monitor
- Modular design enables quick attachment of additional equipment such as larger sensors such laser range finders, optics etc



APPLICATIONS

GOVERNMENTAL:

- Weapons 5.56-7,62
- Laser Deterrence and Interception Devices
- Portable EMP Jammer
- Drone jamming/catching device
- Ship Boarding Equipment
- Boat arrest system

COMMERCIAL:

- 3D cameras
- Radars
- SAR line thrower/launcher

PHYSICAL CHARACTERISTICS

Operational temperatures: -40C - +50C

Height: 720mm

Depth: 350mm

Width: 390mm

Weight: <30kg

Available materials: Titanium or Marine Grade Aluminum (optional)

STABILIZATION SYSTEM

Gyros: 2 x Milspec MEMS Gyros with output to custom made CPU

Motors: 2 x Brushless direct drive high speed servo motors

CPU: Proprietary digital servo controls in a custom designed and programmed CPU

Stability: 50 to 400 μ rad (application dependent), 100 μ rad or greater from a hovering helicopter

Slew Rate: 90 deg/sec

ELECTRO-OPTICAL SYSTEM

Full HD SONY CMOS Ultra Starlight Technology

Focal length 6 to 210mm

35 x optical zoom

4x digital zoom

Total zoom 140 x

Laser illuminator 800m range

LRF 1000m 905nm 5mrad divergence

All sensors can be upgraded using same housing

ELECTRICAL SYSTEM

Custom-made cables, IP67 (2 x HD-SDI + 12 x 2 amp)

Custom-made lithium battery pack

IP-67 or better, rugged custom-made electrical components

AUTO - GUARD

- Human movement recognition
- Silent alarm system: vibration or headset notification
- Secure specific perimeter using "fire with no warning" mode

ARMAMENT ADAPTABILITY

Weapons: Rifle or carbine length with a Picatinny railed handguard mounted at 6 o'clock

NATO std pintle mount on request

Caliber Range: 5.56 NATO to 7,62

Optics: Any standard rifle scope



www.falcondynamics.org

