

# BRAMOR C4EYE



The new **C-ASTRAL BRAMOR C4EYE** unmanned aerial system.  
Unmanned - Unrivaled!

Contact your C-Astral equipment dealer or C-Astral today  
<http://www.c-astral.com> [info@c-astral.com](mailto:info@c-astral.com)



**C - A S T R A L**  
AEROSPACE Ltd.

The **BRAMOR C4EYE** line is appropriate for operations where real time or near real time video surveillance capability is of utmost importance. The stabilized C-ASTRAL EYE interchangeable gimbals provide electrooptical CCD and state of the art uncooled microbolometer capabilities, that are capable of tracking moving objects, people and events at chosen distances day and night.

#### FEATURES:

- ✘ Simple Flight Planning
- ✘ One Person Operation
- ✘ Catapult Takeoff
- ✘ Accurate Parachute Landing in a 30X30m Zone
- ✘ Ability to Fly Multiple Missions in One Flight
- ✘ Mission Waypoints can be Uploaded or Changed During Flight
- ✘ Inflight Reprogrammable Landing Point
- ✘ Convoy and Operator Vehicle Following Capability
- ✘ Robust Fail-safe System for Maximum Safety
- ✘ C-Astral Electric Propulsion for Maximum Endurance
- ✘ Fully Autonomous Flight Profile from Takeoff to Landing
- ✘ Wind Penetration up to 15M/S
- ✘ Extreme Weather Conditions Operations Possible
- ✘ Pitot Tube Dirt/Dust Protection
- ✘ Flight Ready in Under 5 Minutes
- ✘ Ability to Track, Geo-Register or Lock Targets
- ✘ Video / Data Range: up to 30 km
- ✘ Endurance: up to 3 hours
- ✘ AN/PVS-7 B/D, AN/PVS-14 and AN/AVS-9 compatible IR optional beacons

#### APPLICATIONS:

- ✘ Day and Night Observation
- ✘ Infrastructure Inspection
- ✘ Anti-poaching Surveillance
- ✘ Damage Assessment
- ✘ Anti-Smuggling Surveillance
- ✘ Fire Control / Spotting
- ✘ Maritime Surveillance
- ✘ Search & Rescue
- ✘ Coastal and Border Control
- ✘ Anti-Terrorist and Law Enforcement
- ✘ Surveillance
- ✘ Close-range Surveillance and Reconnaissance
- ✘ Special operations
- ✘ Low Intensity Conflicts
- ✘ Urban Operations
- ✘ Convoy Support
- ✘ Border Surveillance
- ✘ Battle Damage Assessment



The **BRAMOR UAS** is based on a blended wing body modular airframe, with the emphasis on the smallest possible T/O weight, advanced aerodynamics, electric propulsion, endurance, ergonomic and user friendly ground control station, robust fail-safe systems and procedures, durability and mobility.

#### C-Astral EYE payload

- ✘ Gyro stabilized
- ✘ Sony FCB 10x optical zoom or FLIR Quark LWIR 320 thermal imaging
- ✘ Auto focus
- ✘ PAN 360°
- ✘ TILT 90°
- ✘ High quality belt drives
- ✘ Frame material 100% carbon composite



#### Ground Control Station

Ergonomically designed ATX-200 GCS system for Bramor C4EYE payload control.



#### EO / IR / LI payload

- ✘ High performance miniature EO / IR / LI payload
- ✘ 360 degree, continuous rotation
- ✘ Gyro-stabilized
- ✘ 10MP Electro-Optical (EO) imager
- ✘ Electronic pan-tilt-zoom (ePTZ)
- ✘ 640x480 Long Wave Infrared (IR) imager
- ✘ 300 mW laser illuminator (LI), available at 400 - 2000 nm
- ✘ **Image stabilization**
- ✘ **Target tracking**
- ✘ **Target geo-location**
- ✘ **Moving target detection**



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