Technical Specifications (Model Specific)
- Endurance (battery powered): > 50 mins @ MSL
- Range (Line of Sight): 5 km
- Weight (with battery pack and standard payload): < 3 Kg
- Wind Resistance: 16 knots or 30 KMPH
- Dust / water resistance rating: IP 53
- Vehicle Size: < 90cm x 90cm
- Max. Launch Altitude: 2000m AMSL
- Max Operating Altitude: 400m AGL

Payloads (360° pan & 90° tilt)
- Daylight Payload Resolution: 720 x 480 pixels, 10x optical Zoom
- HD Imaging Payload: 20+ MP

Fail-Safe Features
- Return Home on Loss of Communication Link
- Return Home on Low Battery
- Return Home on High Winds
- Return Home on Battery Imbalance

NETRAv2

www.ideaforge.co.in
Ground Control Station (GCS) Features
- Ruggedized Laptop/Tablet
- Pre-flight self-checks
- Handheld controller for full camera control (pan, tilt, zoom, black/white hot modes)
- High range communication box

GCS Application Software
- Integrated application software with geographic map and video view with single-click switchability between the two
- Real-time video streaming from UAV with on-screen display of important parameters
NETRAv2 uses Tough-Book for flying and does not require RC.

Actual On-Board Images

- Daylight Payload 1x - 10x
- Target Tracking
- Thermal Payload
  - Black Hot / White Hot

www.ideaforge.co.in
NETRAv2

About ideaForge:

- Founded by a team of dynamic, IIT - Mumbai graduates in 2007
- Developed completely indigenous technology for Unmanned Aerial Systems (UAS)
- Technical collaboration with Defence Research and Development Organisation (DRDO) to co-create Netra
- Multiple IPs to its credit, including one for worlds lightest auto pilot (10gms)
- Vertically integrated Company (in-house R&D, UAV design & manufacturing, Software, Services and Training)
- Over 350 systems deployed with Indian Armed Forces
- Successfully completed trials of both VTOL and Fixed-Wing UAVs in Ladakh region, at altitude over 15,000ft AMSL

NETRAv2 Highlights:

- Highest performance capabilities in its class
- Completely autonomous and man-portable quad-copter
- Streams high-quality video in real-time, using sophisticated day/night cameras over long range
- Features advanced specifications ideal for surveillance, reconnaissance and imaging applications
- Operable from patrol boats, inflatable Geminis and rooftops
- Can be flown in desert terrain, mountainous regions, seaside locations, marshy swamps and other diverse locations
- Sophisticated fail-safe modes
- Ruggedized ground control system and dust / water resistant aircraft

UAV Solutions:

- Counter Insurgency & Surveillance
- Disaster Management & Response
- Crowd Monitoring
- Utility/Infrastructure Inspection
- Crop Monitoring
- Aerial Patrolling
- GIS Mapping
- Large-area Monitoring of Mines/Land
- Construction/Project Monitoring

Key Deployments:

- Uttarakhand Disaster
- Nepal Earthquake
- Chennai Floods
- Pune Landslide
- Kumbh Mela Surveillance
- Jagannath Yatra Surveillance
- Saharanpur Riots
- Pathankot attack
- Pampore attack

www.ideaforge.co.in
NETRAv3
"THE GAME CHANGER"

★ Coming Soon ★

Head Office
ideaForge Technology Pvt. Ltd.
EL-146, TTC Industrial Area, MIDC Mahape,
Navi Mumbai, Maharashtra – 400 710, India
Phone: +91 22 2767 0001 / Fax: +91 22 2767 0707

info@ideaforge.co.in

Delhi Office
ideaForge Technology Pvt. Ltd.
91 Springboard Business Hub, E-43/1,
Okhla Phase II, New Delhi – 110020, India
Phone: +91 76666 47877 / Product: +91 98207 01044