ELB is a web based, fleet and mission management application. Users can monitor status, track pilot currency and review mission details such as asset positions and media. ELB uses secure authentication to enable 2-way syncing for automated log uploads and downloads of pilot and mission lists.

Squad View is a lightweight, inexpensive, collaboration and situational awareness application for iOS/Android. Users can create missions, view video feeds, and re-broadcast UAS video and telemetry to remote devices. Non-pilot users can share their own GPS position or mobile video to remote mission participants as well.

ELB Squad View gives team members access to real-time intelligence and telemetry from multiple mobile and unmanned assets while leveraging ‘Viewer Designated Markers’ (VDMs) to push geo-referenced messages and text to indicate rally points, targets or other relevant information. Remote collaborators can switch UAS feeds and use trick-play to pause or rewind video and telemetry, even during a live mission.

**FEATURES**

**FLEET MANAGEMENT AND PILOT CURRENCY MANAGEMENT**
Manage your FLIR UAS equipment all in one simple place. Automatic log uploads or manual drag-and-drop allow you to add/remove/edit equipment, track pilot currency, mission participants, serial numbers and odometers. Drill down into detailed flight histories at the pilot, system or component levels. Mark equipment as airworthy, grounded or retired and keep detailed notes on status changes.

**POST MISSION REVIEW AND ANALYSIS**
Detailed mission review with synchronized timelines for media and telemetry and a detailed event log. View all equipment and mission participants, via real-time playback or scrub through as needed. Detailed charts and analytics for common mission elements such as wind speed, altitude and battery state available to aid investigations.

**REAL-TIME SITUATIONAL AWARENESS AND MEDIA DISTRIBUTION**
Share UAS or team member video, images and telemetry in real-time to any browser enabled device on the planet. Collaborate using geo-referenced markers text and markers which are distributed to specific, authenticated parties including those using MCS. Use trick-play and remote camera requests to ensure you capture the data you need so you don’t miss a thing.

**SECURE, FLEXIBLE ARCHITECTURE**
A modern architecture focused on flexibility and end-to-end security ensures your data is kept safe for when you need it. Full auditing, user-configurable remote access and alerts ensure you get help only when you need it no matter where you are.

**APPLICATIONS**

- IMMEDIATE ISR
- CLANDESTINE OPERATIONS
- EMERGENCY MANAGEMENT
- SITUATIONAL AWARENESS
- EVENT OVERWATCH
- FORCE PROTECTION
- ADVANCED TARGET RECOGNITION
- BORDER SECURITY
- CRITICAL INFRASTRUCTURE PROTECTION
- VEHICLE BORNE OPERATIONS
SPECIFICATIONS

Web
Browsers
Google Chrome (32/64 bit)

Server
AWS
AWS (Gov. Cloud)/Azure/Other*
*Requires Quote + lead time for deployment

Mobile
Android
OS
Android 6.0+

Hardware
Samsung Galaxy S8/S9/10
Samsung Note 8
Pixel 2

iOS
OS
iOS 13.2+

Hardware
iPhone 7/8/X/XR

Features
Fleet Management - Electronic Log Book
Supported Hardware
SkyRanger R60/R70

Status Info
Airworthy/Grounded/Retired
Status change logging with notes

Tracking
Automated updates of odometer for:
- Airframe, arms, legs, payloads, etc.
Automated linking of flightlogs and missions

Log Review
Full replay of flight telemetry including:
- Pilot and equipment info
- Location, height, air speed, wind speed, camera target, events, etc.
- Time synced media (videos and photos)
- User added notes and comments

Pilot Management
Single sign-on (Dauth) support
Automated tracking of pilot hours with automated notifications
Customizable pilot currency requirements
Exportable data - Pilot currency and complete flight list including:
- Date, time, location, duration, 3W version, serial numbers, etc.

Flight Planning
Provides relevant information to aid pre-mission planning including:
- Weather and airspace information with contact numbers

Mission Management
Common Operating Picture
Receive real-time data from Squad View users including:
- UAS telemetry, video and photos
- Non-pilot participant names, GPS position and media

Interactions
- Remotely switch viewable video, for compatible UAS, without interrupting the pilot’s video feed
- Viewer Designated Markers allow remote users to push geo-referenced POIs and messages to mission participants
- Trick play allows users to rewind video and telemetry any time during or after a live mission

Mobile - Squad View
Local
Watch UAS video feeds on your mobile device when connected to a base station network

Broadcast
Use your own mobile device to:
- Transmit UAS video + telemetry to ELB
- Transmit mobile device position and video to ELB

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