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L3HARRIS®
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FLIGHTLENS® PLAYER 1.4

ISR Base Station Video Management and Mapping Software

Increase your base station situational awareness, video capabilities and overall mission effectiveness with FlightLens Player.

PRODUCT DESCRIPTION

L3Harris FlightLens Player base station software provides unprecedented situational awareness through a robust video management and mapping solution. The user-friendly situational awareness console gives the user broad awareness via video tiling, peripheral awareness via video thumbnails and geographic information for simultaneous mapping of the base station location[1], remote vehicle location and remote vehicle's video footprint.

Robust video player data error handling improves mission capabilities by increasing remote vehicle range, preventing remote vehicle loss and avoiding aborted missions FlightLens Player does this via powerful algorithms that automatically manage data corruption and packet loss, display available video data as long as possible, avoid codec crashes and promptly reacquire partial or complete video streams. With these combined capabilities, FlightLens overwhelmingly outperforms other streaming video player solutions.

FlightLens Player now comes with an integrated Digital Video Recorder (DVR) with Instant Replay/Pause/Rewind that provides control over critical video intelligence during live missions, or when reviewing archived video. Live or archived video conversion (transcoding) and distribution (recording, forwarding or re-streaming) provides the ability to control bandwidth and manage distribution to command/control or other audiences. Snapshot mark-up, annotation and transmission tools help to clearly communicate visual messages during missions.

Mission configuration and setup time are reduced with built-in compatibility with major video, audio and metadata streaming standards (see below) and with automatic detection and display of live video streams using Session Announcement Protocol (SAP) and pre-configuration of known video streams.

FlightLens works with ROVER® Apps software (available separately). The ROVER Apps software adds the following capabilities to FlightLens:

> ROVER Radio plugin to provide basic control of a ROVER radio (TNR, TACe, etc.)
> Digital Reference Points (DRP) over Cursor on Target (CoT) for situational awareness
> ROVER Chat application for sending text messages between FlightLens users
> File Transfer application for transferring files between FlightLens users
> Metadata converter application for converting between various metadata formats

1. Using NMEA GPS feed to computer

Real-time and User-Friendly Situational Awareness

KEY FEATURES

FlightLens Player has the following mission-enhancing features:

> A variety of map display options, including online maps and support for over 100 offline map formats (Geotiff, DTED, CADRG, GXF, NITF, ESRI, ARC, etc.)
> Extremely robust video data error handling for improved range and reliability over lossy channel
> Integrated live Digital Video Recorder (DVR) with mission instant replay/pause/rewind
> Live or archived video conversion and distribution
> Snapshot mark-up, annotation and transmission tools help to clearly communicate during missions
> Built-in compatibility with major video, audio and metadata streaming standards
> Reduced mission video configuration and setup time for quick deployments

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SPECIFICATIONS

SUPPORTED FORMATS

Analog Video
> NTSC and PAL

Digital Video
> MPEG-2 simple profile encapsulated in an MPEG-2 transport stream
> MPEG-4 simple profile encapsulated in an MPEG-2 transport stream
> H.264 encapsulated in an MPEG-2 transport stream
> Predator video based on the H.261 specification
> MJPEG
> H.265 (future upgrade)

Digital Audio
> PCM (8-bit stereo, 8 kHz)
> MP3
> AAC

Digital Metadata
> MISB ST 0601
> MISB ST 0806
> MISB ST 0102
> MISB EG 0104

Digital Error Tolerance
> Recovery from playing digital streams containing up to 10E-5 bit errors

INTEROPERABILITY

L3Harris Products
> TACTICAL ROVERe (TACe), TACTICAL ROVERp (TACp), TACTICAL NETWORK ROVER (TNR), TACTICAL NETWORK ROVERe (TNRe), ROVER 6; VORTEX®, CMDL, Mini-T 2 and other Gen 2 and Gen 3 products

SYSTEM REQUIREMENTS
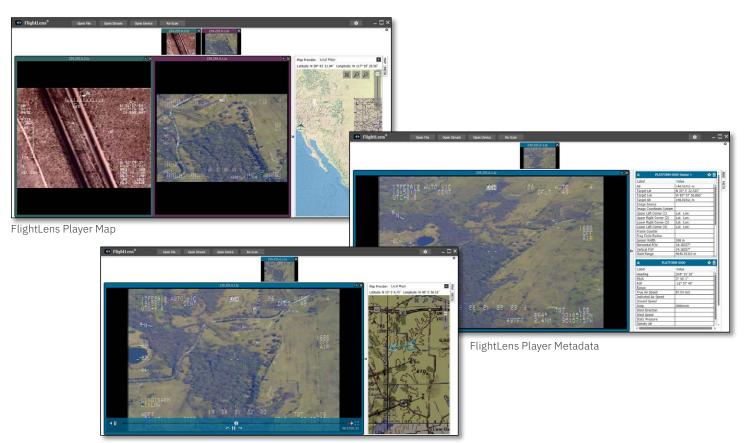
Processor
> 1 GHz minimum

Operating System
> Windows® Vista
> Windows® 7, 8, 10

Memory
> RAM: 1 GB minimum
> Hard disk space: 1 GB free space (additional if using offline map data)

Display
> Dimensions
  - Range: 800 x 600 to 1920 x 1080
  - Recommended: 1280x1024
> Video Card:
  - DirectX and OpenGL support
  - 256 MB video RAM minimum

FlightLens Player Map

FlightLens Player Metadata

FlightLens Player Controls

FlightLens Player 1.4

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L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.

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