

WHEN THE MISSION MATTERS



BLOS / LOS AND NETWORKED COMMUNICATIONS

linkTEK™ information dissipation system (IDS) performs IP (UDP/IP) over RF BLOS, LOS, and wired communications, enabling multi-node networks sharing information, and video.

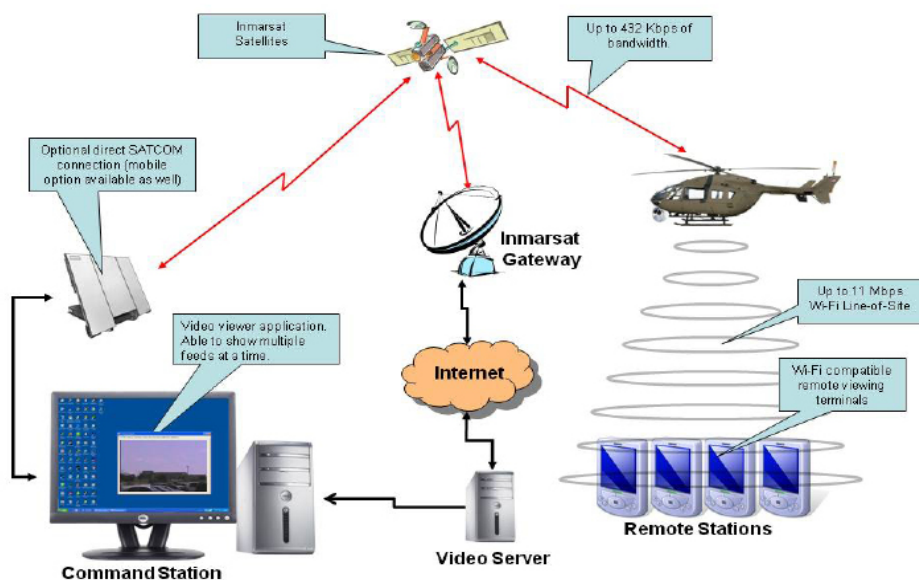
linkTEK supports data communication over BLOS interfaces including the Inmarsat satellite communication (SATCOM) network.

linkTEK is equipped with an embedded Wi-Fi (802.11) line-of-sight (LOS) communication capability for close range high rate data dissemination. *linkTEK* IDS supports 3rd party LOS radios that can be enabled by simple in-field configuration update.

linkTEK is equipped with an embedded JPEG2000 video compression system for standard NTSC/PAL video signals. A corresponding JPEG2000 viewer application is provided that can be hosted on most COTS computers or smaller COTS PDA devices.

KEY FEATURES

- Optional SATCOM using Inmarsat service
- Digital video and data dissemination
- 802.11b Wi-Fi LOS communications
- Air, land, maritime
- Embedded four (4) port Ethernet switch
- Windows based video viewer application
- Extendable communication channels through 4 RS-232 data ports and embedded 4-port Ethernet switch.



Geneva Aerospace

linkTEK™ INFORMATION DISSEMINATION SYSTEM

linkTEK SYSTEM SPECIFICATIONS

linkTEK DV Router

Size: 5.5" x 5.75" x 4.37"
Weight: 53 oz -or- 3.29 lbs.
Power: 9-32 VDC 22 W
Serial Ports (4): RS-232 / 422
Connectors: Ethernet, RS-232, Video



linkTEK DV Router

linkTEK Air SATCOM

	<u>SBU</u>	<u>HPA/LNA</u>	<u>IGA (TT 5006A)</u>
Size (LxWxH):	12.6" x 2.25" x 7.6"	10.6" x 7.8" x 1.9"	22" x 5.9" x 4.9"
Weight:	5 lbs.	6 lbs.	5.11 lbs.
Power:	28 VDC		12 VDC*
Consumption:	30W		
" Max):	50W		
Interfaces:	RJ-45 Ethernet Interfaces (Incl. 1 Maintenance Interface on Front) – Qty. 7 RJ-11 2-wire Interfaces (LSV or Fax/STU via 3.1 Khz Audio) Data Rates - up to 432 kbps; coverage world-wide except for poles.		

Antenna



HPA/LNA

linkTEK Ground SATCOM*

Size: 11.7" (H) x 15.7" (W) x 2.0" (D)
Weight: 7.0 lbs Total (incl. battery)
Power: 10-32 VDC Input Range (1.2W nominal, 60W max)



Ground SATCOM

linkTEK Video Viewer

Windows Version: Windows XP – Application size: 3MB
Video Display Size: 720 X 454
Video Mgmt. Features:

- live video
- record live video
- store AVI video of live video feed
- capable of multi-vehicle video (simultaneously, if required)
- allows for in-operation video configuration

OS Compatibility: Requires Windows XP or Windows Mobile 5.0
Computer Requirements: 1) Processor:

PROCESSOR SPEED	VIDEO FRAME RATE
< 1GHZ PROCESSOR	1-3 FPS
1.1GHZ PROCESSOR	APPROXIMATELY 10 FPS
2.2GHZ PROCESSOR	APPROXIMATELY 25 FPS

2) Video Card: 128 MB RAM, Supports Open GL.
3) Ethernet or 802.11b WIFI connection.

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communications

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L-3. Headquartered in New York City, L-3 Communications is a prime contractor in aircraft modernization and maintenance, C³ISR (Command, Control, Communications, Intelligence, Surveillance and Reconnaissance) systems and government services. L-3 is also a leading provider of high technology products, systems and subsystems.