

L-3 Telemetry & RF Products



L-3 Advanced Technology & Systems

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L-3 Southern California Microwave

2732 Via Orange Way, Suite E
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L-3 Telemetry-East

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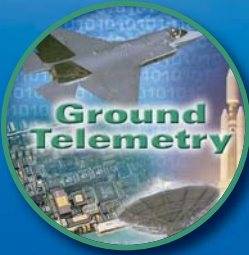
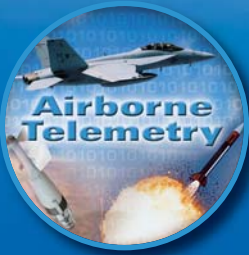
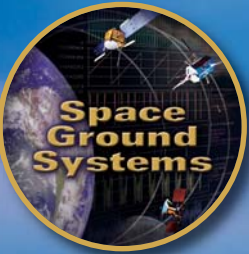
L-3 Telemetry-West

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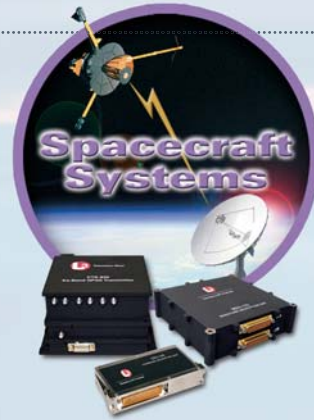
Telemetry & RF Products

L-3 Telemetry & RF Products



Telemetry & RF Products

L-3 Telemetry & RF Products Solutions



- Commercial, Civil & Military Satellite Communications
- Short/Long-Term Missions
- Information Security
- Payload Data Transmission
- Components & Systems

TT&C Transponders & Transceivers
Encryption | Mission Transmitters

- Stand-alone or embedded COMSEC solutions
- High data rate payload transmitters to 1.6 Gbps
- Numerous interfaces available
- DoD / NASA / ESA compatible
- Over 300 units flown
- NSA-certified/approved designs
- Flight-proven; radiation-hardened
- Numerous algorithm options available



- On-Orbit Operations
- Launch and Early Orbit Phase (LEOP)
- Factory Integration and Test
- Payload Monitor and Control
- Ground Monitor and Control
- Mission Planning

On-Orbit | Factory AI&T | HPAs
Satellite Command & Control Software & Hardware

- Fully customizable; platform-independent
- Robust – 100,000s of data points and control commands
- Expansion – flexible client/server architecture
- Automate – reduce risk and save cost
- Simplify – integrated HMI
- Secure – multi-level operations security
- Custom L- / S-band solid-state multi-kw high-power amplifiers



- SIGINT Systems
- RF Antennas and Receivers
- Signal Processing
- Systems Engineering

Wideband Antennas & Receivers | Signal Processing

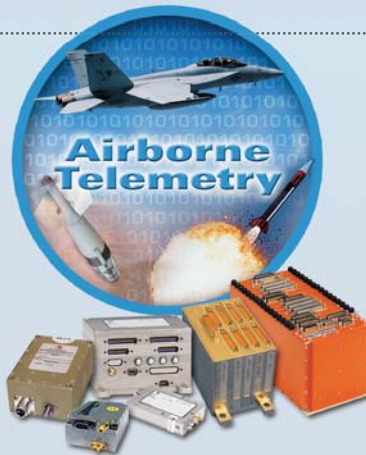
- Advanced antenna design
- SIGINT receivers
- Specific emitter identification
- Novel geolocation techniques
- RF polarimeter processing
- Software development
- Rapid prototyping



- ENTR: Embedded National Tactical Receiver
- Receipt of Near-Real-Time Intelligence
- Battlefield & Situational Awareness
- Threat Assessment Data
- Targeting & Re-Targeting Information

Tactical Receivers | Accessory Kits

- Smaller, lighter, lower cost
- Embedded or used with a standard PC/laptop
- Ruggedized
- Reprogrammable
- Embedded COMSEC
- Platforms: aircraft, ground, marine, missiles



- Weapon Flight Test Products & Systems
- Aircraft Flight Test Products & Systems
- Launch Vehicle Operations
- UAV Communications
- Test & Training
- Flight Range Safety

Data Acquisition | Receivers | Data Links
Encoders | Transmitters | Power Amplifiers | Video

- Modular products that are field-reconfigurable
- Stand-alone or embedded COMSEC solutions
- Data links up to 40 Mbps throughput
- Compact, ruggedized radio hardware
- Flexible GUIs for hardware configuration
- Enhanced decoding and flight termination capabilities
- Full network capability for iNET and other standards
- Superior image quality at high compression rates



- Flight Test Products & Systems
- Space & Launch Support
- Test Systems
- Data Acquisition
- Turnkey Systems
- Mobile Applications
- Tactical Radios

Bit Syncs | Boards | Receivers | Ground Decryption | Customer Support
Telemetry Systems: Avalon | System & Vista 550 | Vista | VTS

- Built on industry standards; easy to integrate
- Largest installed base in the world
- Automated turnkey systems
- High-speed real-time processing
- Single RF frequency encoders in single PCI form factor
- HF manpack, mobile and base radios
- Microwave radios — high capacity / wideband (up to 200 Mbps); frequencies from 3.7 to 15.3 GHz



- Combat Surveillance
- Situational Awareness
- Telemetry & Data Links
- Command & Control Uplinks

Digital Video | Receivers | Transmitters
Quad-Band Remote Video Receive Terminals

- Video links with audio/data subcarriers
- Data links to 20 Mbps throughput
- L-, S- or C-Band operation
- 10 to 5 Watts RF output power
- Compact sizes for small and micro UAVs
- Low size / weight / power
- Digital modem solution – JPEG2000 CODEC for narrow channel operation
- Secure Digital Data Link (SDDL) — digital video/Ethernet/ data link using single, bi-directional TDMA RF channel