



FireBird™ F-100 LTE Video Encoder



Ultra-Compact Encoder for SWaP-Constrained and Tactical Deployments

The **FireBird™ F-100 LTE** is Videosoft's compact, field-proven video encoder, engineered for edge-based missions where size, weight, and power (SWaP) are severely constrained.

The **FireBird™ F-100 LTE** comes pre-installed with **FireLight™**, our bandwidth-efficient video encoding software, which enables real-time video streaming at high resolution, up to 30fps full HD. If the network bandwidth drops, FireLight™ automatically adjusts encoding, maintaining usable image quality down to as little as 1 kbps.



Features

- ✓ Integrated Comms
- ✓ Power-Efficient
- ✓ Video Inputs
- ✓ Ultra-Low Bandwidth Capability
- ✓ Total Recall™ - High Resolution Pixels Retrieval
- ✓ Multi-Stream Support
- ✓ Edge Recording
- ✓ Secure by Design

Streams and data from the FireBird™ F-100 5G are viewed and managed remotely by Videosoft apps running on Windows, Android, and IOS. Streams can also be fed to industry-standard VMS solutions, using Onvif and RTSP, to be incorporated as part of a wider management platform.

Whether part of a CCTV system, a tactical soldier kit, mounted on a drone, or operating aboard a patrol boat, the FireBird™ F-100 5G connects seamlessly to industry-leading VMSs, ATAK, C2, and NATO ISR platforms.

CONTACT US FOR MORE INFO:

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FireBird™ F-100 LTE Specification

Streaming Capabilities	
Camera Inputs	1 Ethernet, 1 USB-C Ethernet adapter, up to 4 with a switch
Stream Outputs	1 - 4 simultaneous stream output options up to full HD
Encoding	1 kbps low-res to 3 Mbps high-res 1080p 30fps transcoded or unlimited Native mode
Mechanical & Environmental	
Dimensions	105mm, 47mm, 25mm
Operating Temperature	-10°C to +45°C ambient
Power Input	12v DC (LEMO FGG.00.302.CLAD35)
Video in	IP Camera over 100MB
Network	100MB (RJ45), 3/4G Cellular
Storage Media	64GB EEMC (OS installed), Up to 512GB Micro SD
Weight	0.20KG
Consumption	8.5W @ 12VDC (fan off)
Interface & Connectors	
Ethernet	1x RJ45
USB	1x USB-C for storage or ethernet adapter for camera connection
Recording	Micro SD card slot (up to 1Tb) or external storage
Modem	4G LTE cellular modem w/GPS, Micro SIM Push-Push slot
Antenna Connection	2x SMA Female - LTE Main and GPS (LTE Aux optional to replace GPS)
Accessories	
Included	2x Multiband Antennas, Power connector and lead

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