



# FireBird™ F-100 5G Video Encoder



Ultra-compact 5G Encoder for High-Mobility and Edge-Based Operations

The **FireBird™ F-100 5G** brings real-time intelligence to the edge with next-gen cellular connectivity and enhanced SWaP performance. Built on the trusted FireBird™ F-100 architecture, this compact encoder now delivers tactical-grade video streaming via 5G, all at just 250mA of power.

The **FireBird™ F-100 5G** 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 5G Specification

Streaming Capabilities	
Camera Inputs	1 Ethernet, 1 USB-C Ethernet adapter or 1 USB camera with UVC, up to 4 with a switch
Stream Outputs	Up to 2 simultaneous stream outputs in full HD
Encoding	1 kbps low-res to 3 Mbps full HD transcoding and Native move
Mechanical & Environmental	
Dimensions	93.3mm x 49.5mm x 35mm
Operating Temperature	-30°C to +85°C
Power Input	Power Input 7-14 V (DC plug 5.5x2.5mm center pin), Power Consumption ~4W
Video in	IP Camera over GbE, USB Camera over USB 3.0
Network	GbE (RJ45), 4/5G Cellular
Storage Media	32GB EMMC (OS installed), Up to 1 TB Micro SD
Weight	0.13KG
Consumption	250mA @ 12VDC
Interface & Connectors	
Ethernet	1x RJ45
USB	1x USB-OTG (Type C)
Recording	Micro SD card slot (up to 1Tb) or external storage
Modem	5G LTE cellular modem with Micro SIM Push-Push slot
Antenna Connection	4x SMA Female
Accessories	
Included	4x Multiband Antennas, Power connector and lead

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