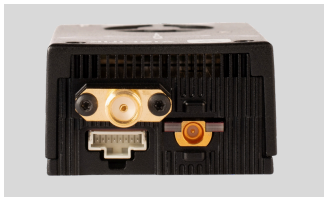
VISLINK

TRANSMITTER

DRAGONFLY V 5G

Miniature H.265 (HEVC) 5G Transmitter



DragonFly V 5G is a miniature H.265 (HEVC) wireless bonding video transmitter designed to capture high-quality live video from point-of-view cameras, UAVs, body-worn systems and covert or concealed cameras. Its compact form factor, low weight and low power consumption support extended battery-powered operation in portable and mobile applications. The encoder supports video formats up to 1080p50/59, allowing straightforward integration into most live video workflows.

DragonFly V 5G is available with either HD-SDI or HDMI inputs, providing flexibility for integration with a wide range of compact cameras. Weighing just 82 grams, the transmitter enables reliable high-definition video transmission in applications where size, weight and power consumption are critical.

With support for cellular connectivity in addition to Wi-Fi, DragonFly V 5G enables bonded transmission across multiple networks. The system can interface with both public and private 5G infrastructure, providing reliable connectivity and data throughput in demanding operational environments.

Key Features

- 5G - LTE
- Low power consumption
- Very low latency
- Max 1080p HD H.265 (HEVC) encoding
- Lightweight: 82 grams
- HDMI or SDI camera inputs (variant contingent)
- Wi-Fi Control, status and configuration
- RS232 remote control
- MIPI interface available allowing OEM integration (on request)
- Dual-modem variant available

Typical Applications

- UAV/Drone video transmission
- OEM POV cameras; body-worn or vehicle/device mounted
- Helmet-mounted cameras
- Covert or concealed camera deployments
- Robotics and remote vehicle cameras
- Mobile journalism

DragonFly V 5G Dual-Modem

A dual-modem version of DragonFly V 5G is also available. This configuration enables two simultaneous cellular connections alongside Wi-Fi, increasing network diversity and available bandwidth for applications that require greater transmission resilience.

The dual-modem option maintains the compact design and low power profile of the DragonFly platform while providing additional connectivity flexibility.

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DragonFly V 5G:
Technical Specification

RF Transmission Bands	
Sub 6G (SA)	N1/N3/N5/N7/N8/N12/N20/N28/N38/N40/N41/N48/N71/N77/N78/N79
Sub 6G (NSA)	N1/N3/N7/N20/N28/N41/N77/N78/N79
LTE-FDD	B1/B3/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B26/B28/B29/B71
LTE-TDD	B34/B38/B39/B40/B41/B42/B43/B48
Connectivity	
No. of SIM Cards	**DragonFly V 5G**: 1 Modem **DragonFly V 5G Dual-Modem**: 2 Modems
Wi-Fi	Yes
Control Wired	RS232 with Command Protocol
Wireless	Wi-Fi; 2.4 GHz ISM Band
MPEG Encoder Video	
Video Coding	H.265 (HEVC) 4:2:0 8 Bit; MPEG-4 Part 10/H.264 (AVC)
Video Input	**DragonFly V 5G**: HD 3G SDI, HDMI **DragonFly V 5G Dual-Modem**: HD 3G SDI
Video Format	**DragonFly V 5G:** 1080p 50/59, 720p 50/59 (HDMI version) 1080p 50/59 (SDI version) **DragonFly V 5G Dual-Modem:** 1080p 50/59
Audio	
Audio Input	**DragonFly V 5G**: Embedded, SDI/HDMI **DragonFly V 5G Dual-Modem**: Embedded SDI
Audio Coding	AAC
Audio Sample Rate	48 KHz
Power	
Power Requirements	Input range: 6-16 VDC Power Consumption: Version dependent
Environmental	
Operating Temperature Range	Full specification: -10° to +50° C (14° to 122° F) Storage: -40° to +80° C (104° to 176° F) Humidity: 0 to 95% non-condensing
Size & Weight	
Physical Size	**DragonFly V 5G** (not including connectors): 2.25 x 1.53 x 0.89 inches 57.25 x 39 x 22.75 mm **DragonFly V 5G Dual-Modem**: (not including connectors) 4.09 x 1.54 x 1.06 inches 104 x 39 x 27 mm
Weight:	**DragonFly V 5G:** 82 g **DragonFly V 5G Dual-Modem:** 195 g

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