

# DragonFly V 5G

Miniature HEVC HDR  
5G Transmitter



DragonFly V 5G is a revolutionary miniature HEVC, wireless bonding video transmitter. It has been meticulously crafted to seamlessly capture real-time, high-quality video from Point of View cameras, UAV, bodyworn, concealments and static sports cameras. DragonFly V 5G was designed with a minimized form factor and weight, combined with a low power consumption to reduce heat and maximize battery-based operation time. The brand-new encoder pushes this solution to new levels: it accepts video formats up to 1080P-50/60 HDR, making it suitable for seamless inclusion into the majority of live broadcast workflows.

The DragonFly V 5G transmitter is equipped with a choice of HD/SDI or HDMI inputs, giving the user wide flexibility with their miniature camera choices, — all contained within a package weighing less than 80 grams. This configuration ensures a reliable high-definition HDR video transmission in the smallest package available today, rendering it suitable for the most demanding bespoke portable applications.

With support for one public cellular connection in addition to Wi-Fi, DragonFly V 5G provides market-leading bonding connectivity. The DragonFly V 5G interfaces seamlessly with both public and private 5G networks — allowing high data rate connectivity even in heavily populated environments.

## Key Features

[5G - LTE](#)

[Low power consumption](#)

[Very Low latency](#)

[Max 1080P HD HEVC HDR encoding](#)

[Lightweight: <80 grams](#)

[HDMI or SDI camera inputs \(Variant contingent\)](#)

[Wi-Fi Control, Status, and Configuration](#)

[RS232 Remote Control](#)

[MiPi Interface available allowing OEM integration \(on request\)](#)

## Typical Applications

[Sports and Entertainment](#)

[Surveillance](#)

[Aerial – Drones for events, sports, and cinematography](#)

[UAV/Drones](#)

[Public Sector](#)

[OEM POV Cameras – Ref Cam, Jockey Cam, Bodyworn, NHL, MLB, football, and entertainment events](#)

[Electronic News Gathering \(ENG\)](#)

# DragonFly V 5G Datasheet

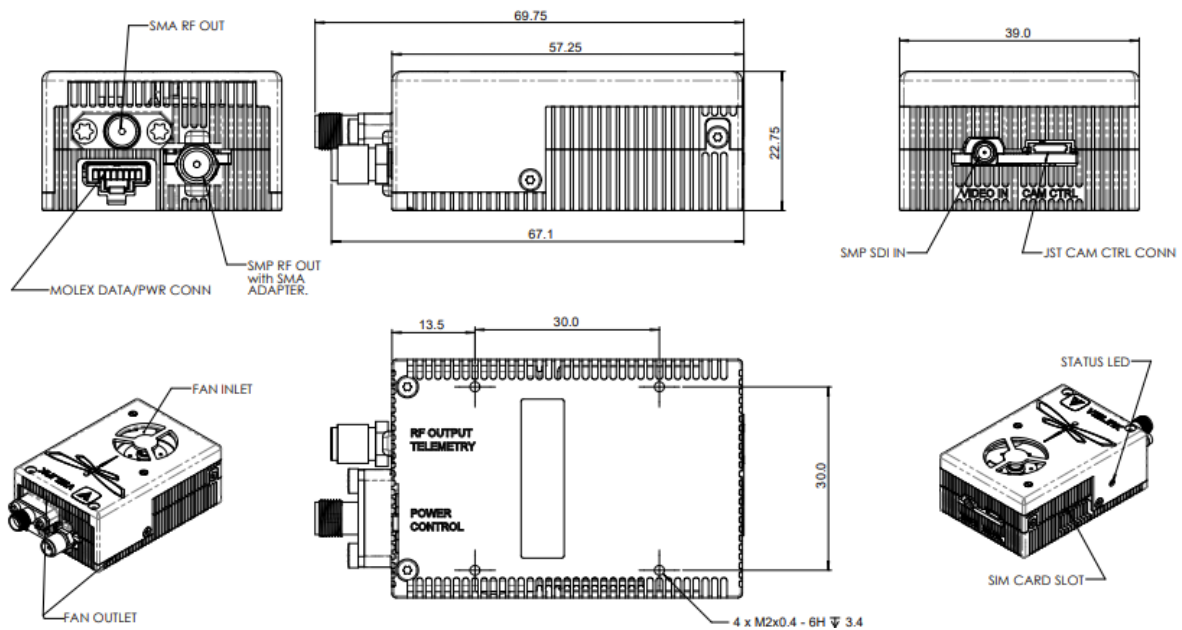


Technical Specifications	
RF Transmission Bands	
Sub 6G (SA)	n1/n3/n5/n7/n8/n12/n20/n28/n38/n40/n41/n48/n71/ n77/n78/n79
Sub 6G (NSA)	n1/n3/n7/n20/n28/n41/n77/n78/n79
LTE-FDD	B1/B3/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B26/B28/ B29/B71
LTE-TDD	B34/B38/B39/B40/ B41/B42/B43B/48
Connectivity	
No. of SIM Cards	1 Modem
Wi-Fi	Yes
Control Wired	RS232 with Command Protocol
Wireless	Wi-Fi 2.4 GHz ISM Band
MPEG Encoder Video	
Video Coding	HEVC HDR 4:2:2 10 Bit MPEG-4 Part 10/H.264
Video Input	HD 3G SDI, HDMI
Video Format	1080p 50/60, 720p 50/59.94
Audio	
Audio Input	Embedded, SDI/HDMI
Audio Coding	AAC
Audio Sample Rate	48 KHz
External Microphone	TBC
Power	
Power Consumption	Low power consumption
Power Requirements	Input range: 6-16 VDC; power consumption: version dependent

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Technical Specifications (con't.)	
Environmental Temperature Range	Full specification: -10° to +50° C (14° to 122° F) Ambient; Storage: -40° to +80° C (104° to 176° F); Humidity: 0 to 95% non-condensing
Physical Characteristics Size	2.25" x 1.53" x .89" 57.25 x 39 x 22.75 mm (No including connectors)
Weight	<80 grams



*Note: Color may differ slightly from the images shown.*

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