VISLINK

TRANSMITTER

DragonFly V 5G

Miniature HEVC 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, 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 82 grams. This configuration ensures a reliable high-definition 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 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 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)

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)
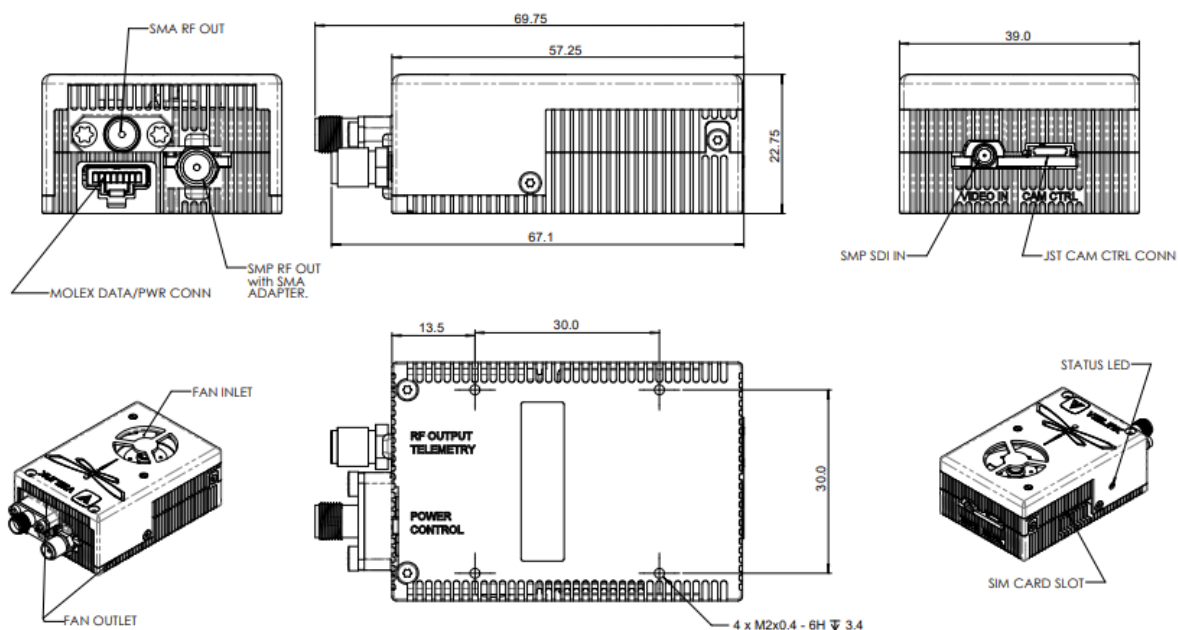
DragonFly V 5G Datasheet

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 4:2:0 8 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 × 39 × 22.75 mm (not including connectors)
Weight	82 grams

Note: Color may differ slightly from the images shown.

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