

DragonFly V

Miniature HEVC
COFDM Transmitter



DragonFly V is a revolutionary miniature HEVC, wireless video transmitter. It has been meticulously crafted to seamlessly capture real-time, high-quality video from Point of View Cameras, UAV, Body Worn, concealments and static sports cameras. DragonFly V 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 transmitter is equipped with a choice of HD/SDI or HDMI inputs, giving the user wide flexibility with their miniature camera choices. DragonFly V achieves a maximum COFDM output power of 50mW, all contained within a package weighing 73 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.

Configuration of DragonFly V is facilitated through its built-in Wi-Fi web server, providing a user-friendly interface for customization.

Furthermore, it features a licensable 450MHz camera control receiver that aligns seamlessly with Vislink's FocalPoint camera control system, enhancing its adaptability and compatibility with the Vislink broadcast portfolio.

Key Features

DVB-T / LMS-T / ISDB-T**/ DVB-T2**

50mW Output Power

Licensed and ISM frequencies

Low power consumption

Very low latency

Max 1080P HD HEVC encoding

Lightweight: 73 grams

HDMI or SDI camera inputs (Variant contingent)

450MHz camera control (Licensable)

Wi-Fi Control, Status, and Configuration

RS232 Remote Control

MiPi Interface available allowing OEM integration (on request)

** Future release

Typical Applications

Sports and Entertainment

Electronic News Gathering (ENG)

Surveillance

Aerial - UAV/drones for events, sports and cinematography

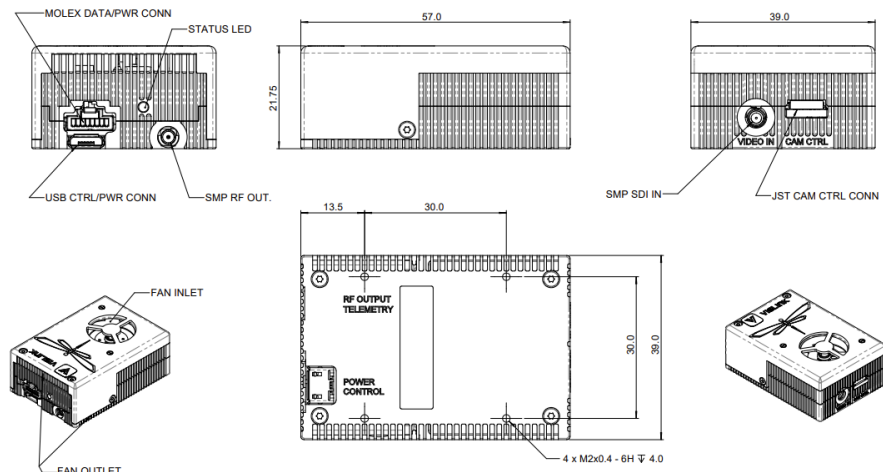
Public Sector

OEM POV Cameras - RefCam, JockeyCam, Bodyworn, NHL, MLB, football, and entertainment events

DragonFly V Datasheet



Technical Specifications		
Bands and RF Performance	2.0-2.5GHz 50mW	
Frequency Stability	± 10 ppm	
Modulation Modes		
Modulation Formats	COFDM LMS-T, DVB-T; ISDB-T, DVB-T2 (future release)	
	LMS-T	DVB-T
Carriers	512	2K
Constellation	QPSK, 16QAM	QPSK, 16QAM, 64QAM
Code Rate	2/3	1/2, 2/3, 3/4, 5/6, 7/8
Guard Interval	1/16, 1/8	1/4, 1/8, 1/16, 1/32
Bandwidth	3,4,5,6,7, 8 & 10MHz	6,7, & 8MHz
MPEG Encoder Video		
Video Coding	HEVC 4:2:0 8Bit; MPEG-4 Part 10/H.264	
Video Input	HD 3G SDI, HDMI	
Video Formats	1080p 50/60, 720p 50/59.94	
Audio		
Audio Input	Embedded, SDI/HDMI	
Audio Coding	MPEG 1 (Layer II)	
Audio Sample Rate	48 KHz	
External Microphone	TBC	
Control Wired	RS232 with Command Protocol	
Wireless	Wi-Fi 2.4 GHz ISM Band	
Camera Control (Licensable)	FocalPoint compatible (additional details upon request)	
Power Consumption	Low power consumption	
Power Requirements	Input range: 6-16 VDC; power consumption: version dependent	
Environmental Temperature Range	Full specification: -10 to +38 (14 to 100.4) ambient; Humidity: 0 to 95% non-condensing	
Physical Characteristics Size	2.25" x 1.55" x .87"; 57 × 39 × 21.75 mm	
Weight	73 grams	



Note: Actual product dimensions and color may differ slightly from the images shown.