

## SmartHUB specifications

### HIGH SPEED INTERFACES

#### 6x USB 2.0

• USB-A front ports x2	1 fast charge, 1 normal charge	Both ports are data capable
• USB-C front port x1		
• USB rear connectors x3	For wiring in external USB ports or USB devices	

### GENERAL INTERFACES

ARINC 429 RX x2	Digital inputs x 3 (e.g. oil pressure, collective, squat)
RS232 x 2	Power input x 1 (for remote power control)
CAN x 1	Multi-function notification output (e.g. indicate device is recording)

### NETWORKING

10/100/1000 Ethernet x 6 (1 front, 5 rear)  
 Certified WiFi 802.11ac/a/b/g/n (optional)

### CPU

1.8GHz Quad Core ARM Cortex-A53  
 4GB DDR4 memory

### AUDIO

Audio input for radio/intercom audio recording

### STORAGE

Ruggedized internal removable SD Card slot (micro)

### POSITION & ORIENTATION

GPS	Internal barometric sensor, capable of logging: <ul style="list-style-type: none"> <li>• Full GPS position data, altitude and speed</li> <li>• Pressure altitude</li> <li>• Vertical Rate (GPS and barometric), Turn Rate</li> <li>• Pitch, Roll, G-Force</li> </ul>
6-Axis MPU (Accelerometer, Gyro)	
Impact detection	
Ability to configure and log flight exceedances	

### POWER

28V DC	
14W nominal, maximum 30W (1 x USB fast charge)	14W without fast charge

### MOUNTING FASTENERS

DZUS mount, 4 x M5 threaded mounts on top/bottom

### ENVIRONMENTAL

DO160G

## SMARTHUB DIMENSIONS

Weight	646 grams	22.7oz
Width	146 mm	5.8"
Height	51 mm	2.0"
Depth	155 mm	6.1"

# Camera specifications

## INTERFACES

1080P Ultra low light camera, minimum illumination 0.01lux

Maximum resolution 1920x1080P, 2.0 Megapixel

Maximum frame rate 30fps

Compression format H264/MJPEG / YUV2 (YUYV)

FOV: 100 degree no distortion lens

Embedded mic for ambient cockpit recording

## CAMERA DIMENSIONS

Weight	150g	5.3oz
Width	50mm	2.0"
Height	38mm	1.5"
Depth	85mm	3.4"

**Note:** Product specifications are correct as at April 2022. Specifications are subject to change without notice.

### ABOUT FLIGHTCELL

Setting quality standards since 2000, Flightcell is a leader in the global aviation communications systems and hardware industry, leveraging strong strategic relationships with aircraft manufacturers, industry partners and government.

Flightcell's trusted products are highly configurable for operational requirements, with a focus on providing solutions to rotorcraft, VLJ and turbo prop fixed wing aircraft that specialise in aerial firefighting, air medical, search and rescue, law enforcement and military.

### CONTACT US

Phone: +64 3 545 8651

Email: [info@flightcell.com](mailto:info@flightcell.com)

[www.flightcell.com](http://www.flightcell.com)

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