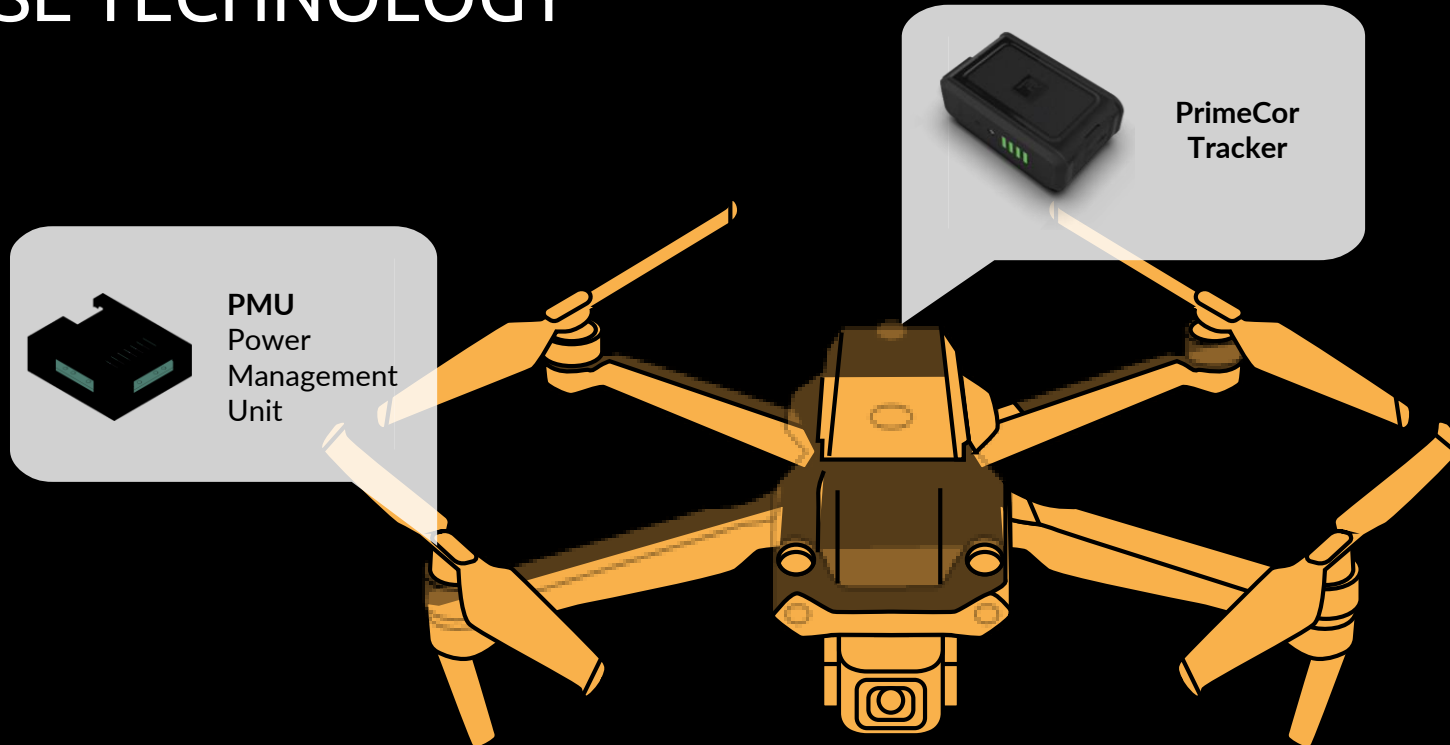


PRIMECOR

SAFETY AUGMENTATION SYSTEMS FOR UAS

PRIMECOR ENHANCED CONTAINMENT

IN-HOUSE TECHNOLOGY



TCU TRACKER & COMMUNICATION UNIT

E-identification DRI & NRI



- Direct: Bluetooth 4.0 Legacy + 5.0 Long Range
- Network: LTE
- According to prEN 4709-002 and ASTM F3411 standards

Sensors



- GNSS
- Barometer
 - Absolute accuracy
 - Below 4m altitude
- Gyroscope
- Temperature sensor

SIM card



- NanoSIM slot
- Optional MFF2

Data logging



- Internal storage (1 GB)

Antennas



- Internal GNSS
- Internal LTE
- Internal Bluetooth

Protocols



- CAN; Baudrate: 500 k

Power



- Voltage: 5 V
- Average current: 150 mA
- Max current: 1.5 A

Enclosure material



- ABS
- IP64

Operating temperature



- -20 to 50 °C

Indicators



- Power
- GNSS
- LTE

Weight













- < 45 g

Dimensions




PMU

POWER MANAGEMENT UNIT


On/Off input  • Digital signal 3.3 V/5V	Operating voltage  • 5 V	Maximum measuring current  • 30 A	Maximum voltage (power line)  • 48 V	Wire max  • 14 AGW
Analog output voltage measurement  • 0 - 4.5 V	Current measurement resolution  • 0.15 V/A	Operating temperature  • -20 to 50 °C	Dimensions two channels  • Width: 44 mm • Height: 51 mm * Currently in the process of redesign	Dimensions four channels  • Width: 72 mm • Height: 51 mm * Currently in the process of redesign

PRIMECOR

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