



**SMART  LIFTS**

**TECHNICAL SPECIFICATIONS**

# Camera Technical Specifications

Networking	3G / 4G LTE (Dual-Sim Supported)	<b>North America</b> LTE-FDD: B2/B4/B5/B7/B12 to B14/B17/ B25/B26/B66/B71 LTE-TDD: B41 WCDMA: B2/B4/B5  <b>EMEA / LATAM</b> LTE-FDD: B1 to B5/B7/B8/B20/B28 LTE-TDD: B38/B39/B40/B41 WCDMA: B1/B2/B4/B5/B8 GSM/EDGE: 850/900/1800/1900MHz
	Wi-Fi	2.4G/5GHz, 802.11 a/b/g/n/ac
	Bluetooth	BT 4.2LE
Camera	Still Image	Image capture at up to 8.3MP (JPEG)
	Video	4K (8.3MP) / 6MP / 4.2MP / 2.3MP / 1MP / 0.6MP at up to 30 FPS; H.264 / H.265 HEVC compression
	Lens	Type: Panomorph, 180° Horiz. / Vert. Field of View Focus range: 24cm to infinity
	Watermarking	Data in picture includes date, time, GNSS position, Wearer ID and 9-axis motion for ROI stabilization
Audio	Microphones	Dual microphones / left and right AAC audio compression
	Speaker	Speaker output / 1.3W max. power
USB	USB Type-C	Supports Quick Charge 3.0 / max. 2A charge current Data transfer via optional charging dock
Sensors	Motion Sensing	9-axis, accelerometer, gyroscope and magnetometer
	Haptics	Vibration feedback on commands and alerts
Indicators	Status LED	Top facing and front facing RGB status LED
	OLED Display	0.9 inch, top facing, 128 x 32 dot OLED display
Positioning	Satellite Positioning	GPS / BeiDou / GLONASS

Recording	Pre-Event Post-Event	Configurable, up to 120 sec. pre-recording Configurable, up to 300 sec. post-recording
	Types	On-Alarm and on-demand
	Encryption	AES256 data encryption at rest
Auxiliary	Flashlight	1 Watt front facing white LED light
Battery Pack (Li-Po)	Capacity	6,000 mAh
	Operating Time	Up to 16 hours depending on configuration
	Charging Time	<= 4 hours
Compliance and Certifications	EMC / ESD	FCC part 15 subpart B, ICES 003 Class B, EN 55032 Class B, EN 55035, EN 61000-6-1, EN 61000-6-3, EN 301489-1, EN 301489-17
	Safety	IEC 62368-1, NOM (Mexico), SAR (FCC + CE)
	Environmental	IP66, MIL-STD-810H
	Operating. Temp.	-20C to 50C (-4F to 122F)
	Storage Temp.	-20C to 45C (-4F to 113F) for less than 30 days -20C to 35C (-4F to 95F) for longer than 30 days
Mechanical	Dimensions	95mm x 65mm x 35mm
	Weight	248g (including 6,000 mAh battery)
Accessories	Standard	Supporting plate, USB-C cable
	Optional	Magnetic mounting kit
Storage	Internal microSD	64GB * Upgrade available up to 256GB

# Sensor Technical Specifications

Networking	3G / 4G LTE	<p><b>North America</b>                      LTE-FDD Cat. 1:                      B1/B2/B3/B4/B5/B7B8/B9/B12 to                      B13/B14/B18/B19/B20/B25/B26/B28</p> <p>LTE-TDD: B41                      WCDMA: B2/B4/B5</p> <p><b>EMEA / LATAM</b>                      LTE-FDD: B1 to B5/B7/B8/B20/B28                      LTE-TDD: B38/B39/B40/B41                      WCDMA: B1/B2/B4/B5/B8                      GSM/EDGE: 850/900/1800/1900MHz</p>
	Bluetooth	BT 4.2LE
Positioning	GNSS Receiver	99 Tracking Engine
	GNSS Engine	GPS & GLONASS
	SBAS Support	WAAS, EGNOS, GAGAN, MSAS
	Location Accuracy	2.5m, CEP 50%
Connectors	I/O Connection	Circular 8 Pin Connector
	SIM Card Socket	Nano SIM (4FF)
	Configuration	RS232
Sensors	Accelerometer	3-axis, $\pm 16g$ 400 motion readings per axis per second
Environment (IP68)	Operating Temperature	-20°C to +60°C
	Humidity	95%RH @ 50°C Non-condensing
	Vibration / Shock	MIL-STD-810H, SAE J1455
	Unit Drop Test	MIL-STD-810H

Inputs / Outputs	Serial Interface	RS232
	Digital Ignition Input	1 Positive Input (Configurable)
	Digital Input	Up to 2 ports (Configurable)
	Digital Output	Up to 2 ports (Configurable)
	Analog Output	Up to 1 port (Configurable) DC 0-40V (12-bit resolution)
	LED Indicator	2 (GNSS, Cellular)
	1-Wire Interface	1 (iButton, Temperature sensors)
Electrical	Operating Voltage	12V
	Current Consumption	Operating 30-120mA@12V Deep Sleep Mode < 1.2mAh @12V
Battery	Battery Type	3.7V, Li-ion
	Battery Capability	6,400mAh
	Battery Life	Up to 2 months (hourly report interval)
Physical	Dimensions	120mm x 80mm x 36mm
	Weight	250g (0.56lbs)
	Enclosure	Flame Retardant ABS + PC
	Mounting Method	Magnet Mount, Screw Mount
Storage	Internal Flash Memory	64 Mbits
		Up to 125,000 logs Up to 23,000 queues
Certifications	Standards	FCC, IC, PTCRB, TELEC, RoHS