

Video Resolution	1080P(Full-HD), 720P (HD), 480P(SD)
Video Encoding	H.264 (default), H.265
H.264 Bit Rate	480p/30fps: Low (1.0Mbps), Standard (2.0Mbps), High (2.5Mbps) 720p/30fps: Low (2.0Mbps), Standard (3.0Mbps), High (4.0Mbps) 1080p/30fps: Low (4.0Mbps), Standard (6.0Mbps), High (7.8Mbps)
Video Container	.mp4
Encryption	AES-256 Enable/Disable
Photo Resolution	≥16MP, up to 40MP
Audio Encoding	Compressed/Lossy AAC @ 48KHz Sample Rate with Noise Reduction
Audio	Mono, Mute options for Pre-Event, Event, Post-Event
Microphone	Pick-Up and Noise Cancelling <ul style="list-style-type: none"> • Input sound pressure $P_{IN} = 94\text{dB SPL}@1\text{kHz}$ • Test room temperature $T_a = 25^\circ\text{C}$, Room Humidity = $50\% \pm 20\%$ • A-weighting filter applied for noise floor measurement
Speaker	Output Power 1.2Watts, 80dB @ 1 meter
Front Camera Imager	1/2.8" Sony IMX335 CMOS, focal length 3.6mm
Cameras	Front and Rear Facing (Video Intercom use)
Digital Zoom	1x to 24x
FOV	Wide Angle with proprietary image distortion reduction Horizontal $122^\circ (\pm 0.5^\circ)$ Diagonal $142^\circ (\pm 0.5^\circ)$ Vertical $72^\circ (\pm 0.5^\circ)$
Low Light Performance with IR LEDs	Identification @ 5m, Recognition @ 8m, Detection @ 10m Auto / Manual
Display	2.4" Touchscreen w/Corning Gorilla Glass 3
LED Indicators	Status (Video Recording, Audio Recording, Standby), Charging
User Interface	Touchscreen: Playback, Audio/Video/Device configuration
Memory Capacity	<ul style="list-style-type: none"> • 64GB internal high endurance uSD card = 58GB of available storage • 56 hours of video stored at 480P/30FPS/Standard Bitrate(2.0Mbps)/H.264 • 41 hours of video stored at 720P/30FPS/Standard Bitrate(3.0Mbps)/H.264 • 20 hours of video stored at 1080P/30FPS/Standard Bitrate(6.0Mbps)/H.264
Secure Media Access	Docking Station or Wireless Upload required for media transfer to IMS Files cannot be deleted on device by user
Covert Mode	Disables LEDs, Audible, and Vibration notifications / Display not disabled
Pre-Event Buffer	Configurable 30/60/120 seconds
Post-Event Buffer	Configurable 5/10/15/30 seconds
GPS	SES and GNSS Compliant
Wireless Connectivity	3G/4G, Wi-Fi, Bluetooth 4.1
WiFi Offload	433Mbps supported, actual speed dependent on bandwidth (uplink) of network
Cellular Class	Category-4
Cellular Features	<ul style="list-style-type: none"> • Info (Health Status) • Track (Live GPS Location), • Start Recording (GOV Cloud Remote Triggering) • Live Stream (Stream Video to browser) • SMS (Text and Picture)
Wireless Triggering	<ul style="list-style-type: none"> • Wi-Fi: WebSocket interface • Cellular: Private TCP protocol • Bluetooth: (Future Feature)
Firmware Updates	Docking Solution and Over-The-Air (OTA)

Battery	User replaceable Li-Ion Polymer Battery (Hot-Swappable)
Battery Life	<ul style="list-style-type: none"> • 3600mAh Retain 80% charge after 400 cycles Cellular OFF , Wi-Fi OFF , Display OFF <ul style="list-style-type: none"> • 12 hours at 480P/30FPS/Standard Bitrate/H.264 • 11 hours at 720P/30FPS/Standard Bitrate/H.264 • 10 hours at 1080P/30FPS/Standard Bitrate/H.264 Cellular ON , Wi-Fi OFF , Display OFF <ul style="list-style-type: none"> • 11 hours at 480P/30FPS/Standard Bitrate/H.264 • 10 hours at 720P/30FPS/Standard Bitrate/H.264 • 9 hours at 1080P/30FPS/Standard Bitrate/H.264 Cellular ON , Wi-Fi ON , Display OFF <ul style="list-style-type: none"> • 10 hours at 480P/30FPS/Standard Bitrate/H.264 • 9 hours at 720P/30FPS/Standard Bitrate/H.264 • 8 hours at 1080P/30FPS/Standard Bitrate/H.264
Battery Charging	Temp < 45C, Max Charge ≤ 1.5A 45C ≤ Temp ≤ 50C, Max Charge ≤ 1.0A Temp > 50C, Charging Disabled. Charge time < 45C: <ul style="list-style-type: none"> • AC/DC adapter: 4hrs • 8-Bay Docking Station: 6hrs • Dual Battery Charger: 6hrs • 24-Bay Docking Station: 6hrs
Back-Up Battery	3.7vdc / 81mAh: charge time 30min: allows hot swapping of battery 7min while recording, 15min in standby/display on, 45 min in standby/display off
Operational Temp Spec	-30°C to 55°C / -22°F to 131°F
Storage Temp Spec	-40°C to 60°C / -40°F to 160°F
Dimensions	85mmx56mmx28mm / 3.35inx2.20inx1.10in
Weight	165g / 5.8oz
Reliability Certifications	IEC 60529:2013-IP68, MIL-STD-810-G-2014 (Vibration, Temp, Drop, Humidity), IEC 62368-1-2018 (Safety)
Regulatory Certification	FCC, IC, CE
Factory Certifications	ISO9001, ISO14001, ISO27001, ROHS, NDAA

