

Section 10

Specifications

10.1 | EVO-HD

| Power | |
|---------------------------------------|--|
| Operating Voltage | 9 to 32 VDC |
| On | 400mA @ 13.8VDC Typical |
| Off | 25mA @ 13.8VDC Typical |
| Backup Battery | 600mAh Rechargeable NiMH |
| Built-in Protections | Over voltage, over current, short circuit |
| Environmental & Mechanical | |
| Operating Temperature | -10°C to 70°C (14°F to 158°F) |
| Storage Temperature | -40°C to 80°C (-40°F to 176°F) |
| Dimensions | 188mm x 94mm x 51mm (7.4in x 3.7in x 2in) [LxWxH] |
| Weight | 680g (1.5lbs) |
| Internal Components | |
| Real-time Clock | ✓ |
| Accelerometer | 6 Axis, Up to ±16g acceleration full scale |
| GPS Receiver | 1Hz, 4.9m (16ft) accuracy |
| Cell Receiver | 3G (GSM) or 4G LTE (CAT-M1) |
| WiFi | 2.4GHz 802.11n |
| VuLink Functionality | ✓ |
| Inputs | 6 inputs – 3.3-24V for Blue, Green, Orange, and White; 12-24V for Red |
| Outputs | 2 outputs – Ground when triggered, 36VDC/1A maximum |
| Radar Support | Decatur Future: Stalker, MPH Ranger, and Kustom |
| Pre-event buffer capacity | Configurable: 0 to 60 seconds |
| Memory | 256GB Industrial Grade - 230GB available for all recordings ECA configurable for: 10, 20, 40, 80, and 100GB |
| Expandability | Future Addition |
| Recorder | |
| Codec | H.264 |
| Bit Rate | 2, 4, 6 mbps |
| Frame Rate | 15, 30 FPS |
| Container | MP4 |
| Audio | AAC, mono @ 32Kbps |

10.2 | PoE Switch

| Power | |
|---------------------------------------|---|
| Operating Voltage | 9 to 36VDC |
| On | No cameras - 0.42A @ 12VDC 0.23A @ 24VDC Standard 2 camera kit - 1.2A @ 12VDC 0.54A @ 24VDC |
| Off | 15mA @ 12V (~180mW) |
| Power over Ethernet | IEEE 802.3af - 48VDC, 350mA max (15.4W) per port |
| Built-in Protections | Configurable low battery voltage protection |
| Number of Available Ports | 4 Port Standard - 4 cameras or 3 cameras + MDT 8 Port (Optional) - 4 cameras + MDT |
| Environmental & Mechanical | |
| Operating Temperature | -30 to 70°C (-22°F to 158°F) |
| Storage Temperature | -35 to 85°C (-31°F to 185°F) |
| Dimensions | 167mm x 59mm x 140mm (6.58in x 2.32in x 5.5in) [LxWxH] |
| Weight | 1kg (2.2lbs) |
| Vibration | Random: 1g @5~500 Hz Operating: MIL-STD-810G, Method 514.6, Category 4 Storage: MIL-STD-810G, Method 514.6, Category 24 |
| Shock | Operating: MIL-STD-810G, Method 516.6, Procedure I, 20g Non-Operating: MIL-STD-810G, Method 516.6, Procedure V, 75g |

10.3 | Wireless Microphone

| Power | |
|---------------------------------------|---|
| Operating Voltage | 9 to 36VDC |
| On | No cameras - 0.42A @ 12VDC 0.23A @ 24VDC Standard 2 camera kit - 1.2A @ 12VDC 0.54A @ 24VDC |
| Off | 15mA @ 12V (~180mW) |
| Power over Ethernet | IEEE 802.3af - 48VDC, 350mA max (15.4W) per port |
| Built-in Protections | Configurable low battery voltage protection |
| Number of Available Ports | 4 Port Standard - 4 cameras or 3 cameras + MDT 8 Port (Optional) - 4 cameras + MDT |
| Environmental & Mechanical | |
| Operating Temperature | -30 to 70°C (-22°F to 158°F) |
| Storage Temperature | -35 to 85°C (-31°F to 185°F) |
| Dimensions | 167mm x 59mm x 140mm (6.58in x 2.32in x 5.5in) [LxWxH] |
| Weight | 1kg (2.2lbs) |
| Vibration | Random: 1g @5~500 Hz Operating: MIL-STD-810G, Method 514.6, Category 4 Storage: MIL-STD-810G, Method 514.6, Category 24 |
| Shock | Operating: MIL-STD-810G, Method 516.6, Procedure I, 20g Non-Operating: MIL-STD-810G, Method 516.6, Procedure V, 75g |

10.4 | Mini-Monitor

| | |
|-------------|---|
| Screen Size | 3.5" |
| Resolution | Quarter-VGA resolution [320 x 240] |
| Brightness | 300cd/m ² |
| Weight | 450g (1.3lbs) |
| Dimensions | 100mm x 125mm x 35mm (3.94in x 4.92in x 1.38in) [LxWxH] |
| Speaker | 1.5 Watt 8Ω Speaker |

10.5 | Cameras

| 10X Front Facing Road Camera | |
|-------------------------------------|---|
| Field of View (D, H, V) | Wide (68°, 54°, 31°) Tele (6.7°, 4.9°, 4.0°) |
| Resolution | 1920(H) x 1080(V) |
| Shutter Speed | 1/1 ~ 1/10000 Auto controlled |
| Sensor Size and Type | 1/3" CMOS Sensor |
| Maximum Zoom | 10X optical |
| Focal Length | 5.1mm~51mm |
| Focus | Auto or Manual |
| Focus Near Limit Setting | 1, 1.5, 2, 3, 5 meters |
| Aperture | f/2.4 |
| White Balance | Auto |
| Lux Ratings | Color: 0.5Lux B/W: 0.1Lux Digital Slow Shutter (10FPS) - Color: 0.125Lux B/W: 0.025Lux |
| Wide Angle Back Seat Camera | |
| Field of View (D, H, V) | 140.5°, 120.2°, 65.3° |
| Resolution | 1920(H) x 1080(V) |
| Shutter Speed | 1/25 ~ 1/10,000 |
| Sensor Size and Type | 1/2.7" CMOS Sensor |
| Focal Length | 2.9mm |
| Focus | Fixed |
| White Balance | Auto |
| Lux Ratings | Color: 0.2Lux B/W: 0.02Lux |