

## Section 9

### Specifications

Power	
<b>Operating Voltage</b>	13.8VDC
<b>On</b>	360mA @ 13.8VDC
<b>Off</b>	260uA @ 13.8VDC
<b>Low Power Standby</b>	170mA @ 13.8VDC
<b>Backup Battery</b>	3.7v, 1150mA, Rechargeable Lithium Ion Polymer Battery

Environmental/Mechanical	
<b>Operating Temperature</b>	-20° to +70° C
<b>Storage Temperature</b>	-40° to +80° C
<b>Dimensions</b>	48mm (1.9in)(D) x 279mm (11in)(W) x 106mm (4.7in)(H)
<b>Weight</b>	733g (1.62lbs)

Internal Components	
<b>LCD Monitor</b>	3.5" Color Ultra Bright. 640x480 resolution
<b>Real Time Clock</b>	On board, used when GPS signal is lost
<b>Accelerometer</b>	3-axis, ±8g
<b>Wi-Fi</b>	802.11(n) wireless adapter included. Secure FTP transfer through WAP or cellular modem
<b>Microphone</b>	Internal (max. input SPL 110dB, sensitivity -30dB)
<b>GPS Receiver</b>	4Hz position update rate, 2.5m position accuracy
<b>Video</b>	2-recording channels @ 30fps (max), H.264, AVI container
<b>Audio</b>	Stereo (internal to one channel, external on other)



Cameras	
<b>External 12XC Road Facing Camera</b>	<ul style="list-style-type: none"> <li>• FOV: 76° (V) x 102° (H)</li> <li>• Resolution: 768x494, Color 560TVL, B&amp;W 600TVL</li> <li>• 1/4" Ex-HAD CCD imager</li> <li>• Zoom magnification 12X</li> <li>• Focal Length: f=3.6 ~ 44.3mm, f1.6 (Wide)/ f2.0 (Tele),</li> <li>• Auto / Manual focus</li> <li>• Auto / Manual Iris</li> <li>• Auto White Balance</li> <li>• Minimum Illumination: Color 2.0 Lux, B&amp;W 0.2Lux</li> </ul>
<b>External Backseat Camera</b>	<ul style="list-style-type: none"> <li>• FOV: 76° (V) x 102° (H) x 115° (D)</li> <li>• Shutter Speed: 1/60 second</li> <li>• Resolution: 640TVL</li> <li>• 1/3" Super HAD CCD imager</li> <li>• Focus: Auto</li> <li>• White Balance: Auto</li> <li>• IR LED assisted for low light conditions</li> <li>• 0.5 Lux with IR LEDs OFF</li> <li>• 0.0 Lux with IR LED's ON</li> </ul>
<b>Internal Passenger Facing Camera</b>	<ul style="list-style-type: none"> <li>• Resolution: D1</li> <li>• FOV: 96° (V) X 119° (H) X 141° (D)</li> <li>• Focus: Fixed lens</li> <li>• IR LED assisted for low light conditions</li> <li>• 0.5 Lux with IR LEDs OFF</li> <li>• 0.0 Lux with IR LED's ON</li> </ul>
<b>Internal Road Facing Camera</b>	<ul style="list-style-type: none"> <li>• Resolution: D1</li> <li>• FOV: 57.9° (V) X 79.2° (H) X 103.4° (D)</li> <li>• Focus: Fixed lens</li> </ul>
<b>License Plate Backup Camera (OPTIONAL)</b>	<ul style="list-style-type: none"> <li>• Resolution: 420TVL</li> <li>• FOV: 170°</li> <li>• Focus: Fixed lens</li> </ul>

Media Storage	
<b>Capacity</b>	External SD Card Support: 8/16/32 GB, Class-10, commercial grade 80 R MB/s, 50 W MB/s Internal Memory matches external
<b>Secure Media Access</b>	Optional tamper resistant screw can be installed in the access door, requiring the corresponding security key to unlock the access door. (included with the DVM)
<b>Pre-Event Buffer</b>	Up to 30 seconds for each of the two recording channels, adjustable in 6 second increments



<b>DWM Wireless Microphone</b>	
<b>System Range</b>	3000 feet typical LOS
<b>Communication</b>	Bidirectional
<b>Microphone Sensitivity</b>	-30dB, Maximum Input SPL 110dB
<b>Power Consumption</b>	External 12VDC, 190mA typical
<b>Size</b>	DWM Cradle: 2.75in x 2.99in x 3.15in (70mm x 76mm x 80mm) DWM Microphone: 2.5in x 1.8in x 0.94in (64 mm x 46 mm x 24 mm)
<b>Weight</b>	DWM Cradle 233g DWM Microphone 74g
<b>Battery</b>	Internal Li-ion 3.7V/1800mAh cell 20 hours In Use with full charge, 14 days Standby 4 hours charge time
<b>Frequency</b>	DWM-928 900MHz FHSS, 50 possible channels DWM-868 800MHz FHSS, 50 possible channels
<b>Frequency Response</b>	200 ~ 4000Hz +/- 3 dB Audio

<b>Interface Box</b>	
<b>Dimensions</b>	57mm (2.24in)(D) x 29mm (1.14in)(H) x 110mm (4.33in)(L)
<b>Input Sensors</b>	Six customizable multi-purpose input sensors.
<b>Operating Voltage</b>	13.8VDC
<b>Output Alarm</b>	One (1) normally open, active low output trigger, 2A maximum current
<b>Operating Temperature</b>	-20° to +70° C
<b>Storage Temperature</b>	-40° to +80° C
<b>Radar Support</b>	9 Pin Serial Female (additional cables required)

\*Specifications subject to change without notice\*

