

## Section - 2: Specifications

### 2.1 Specifications

Power	
OPERATING VOLTAGE	13.8VDC
ON	0.36A @ 13.8Vdc
OFF	0.260mA @ 13.8vdc
SLEEP	170mA @ 13.8vdc
LOW POWER STANDBY	170mA @ 13.8vdc
INTERNAL BACKUP BATTERY	3.7v, 1150mA, Rechargeable Lithium Ion Polymer Battery
Environmental/Mechanical	
OPERATING TEMPERATURE	-20° to +70° C
STORAGE TEMPERATURE	-40° to +80° C
DIMENSIONS	48mm (1.9in.)(D) x 279mm (11in.)(W) x 106mm (4.7in.)(H)
WEIGHT	DVM250Plus = 733g (1.62lbs)
Internal Components	
ROAD FACING CAMERA	63.2°(V) X 84.8°(H) X 106.8°(D)
PASSENGER FACING CAMERA	96°(V) X 119°(H) X 141°(D)
LCD MONITOR	3.5" Color
REAL TIME CLOCK	On board, used when GPS signal is lost.
ACCELEROMETER	3-axis, ±8g
MICROPHONE	Internal (max. input SPL 110dB, sensitivity -30dB)
VIDEO	2-recording channels @ 30fps(max), D1, 720x480, H.264, AVI container
AUDIO	2-Channel for separate internal/external microphone audio
External Components	
GPS RECEIVER (REQUIRED)	4Hz position update rate, 2.5m position accuracy
LICENSE PLATE BACKUP CAMERA (OPTIONAL)	95° (V) x 125.8° (H) x 155.4° (D)
INFRARED BACKUP CAMERA (OPTIONAL)	76° (V) x 102° (H) x 115° (D)
Media Storage	
CAPACITY	External SD Card Support: 8/16*/32 GB, Class-10, commercial grade purchased from Digital Ally. (*Included)
SECURE MEDIA ACCESS	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)
PRE-EVENT BUFFER	Up to 30 seconds for each of the two recording channels, adjustable in 6 second increments

### 2.2 Interface Box

Electrical	
OPERATING VOLTAGE	13.8VDC
INPUT SENSORS	Six configurable multi-purpose input sensors.
OUTPUT TRIGGER	One (1) normally open, active low output trigger, 2A maximum current
Environmental/Mechanical	
OPERATING TEMPERATURE	-20° to +70° C
STORAGE TEMPERATURE	-40° to +80° C
DIMENSIONS	57mm (2.24in) (D) x 29mm (1.14in) (H) x 110mm (4.33in) (L)
WEIGHT	218g (.480lbs)