

Author: Troy Bowlin	Document Number: 930-00064-00	Rev: A	1 of 9
---------------------	-------------------------------	--------	--------

- 1 Camera Port
- 2 Status Indicator LED's
- 3 Record Indicator LED
- 4 Record Start/Mark/Record Stop Button
- 5 USB Port
- 6 Power On/Off Switch
- 7 Battery Cover
- 8 Mute Switch



*Soft Touch
Plastics Housing
Initial Production Release*



*DVR Textured
Plastics Housing
2020*

*Standard Battery
Option*

*Camera Textured
Plastics Housing
2019*



*User Serviceable
Camera Cable
2019*

*Extended Battery
Option*

Author: Troy Bowlin	Document Number: 930-00064-00	Rev: A	2 of 9
---------------------	-------------------------------	--------	--------

General

Video Resolution	720P (1280x720) or VGA (640x480) H.264 codec with configurable quality settings
Bit Rate	720p Mode: Standard (1Mbps), Medium (2Mbps), High (4Mbps), Super High (8Mbps) VGA Mode: Standard (0.5Mbps), Medium (1Mbps), High (2Mbps), Super High (4Mbps)
Video Frames per Second	Settings: 5FPS, 10 FPS, 15FPS, 30FPS
Audio	Mono, may be muted by user. Multiple configuration options.
Microphone	Internal (max. input SPL 110dB, sensitivity -42dBV)
Camera	0.08 Lux (minimum). Fixed focus lens.
Field of View	H=95°, V=80°, D=130°
Memory Capacity	32GB secure internal memory
Secured Media Access	May be configured so only designated computers can access recordings
Covert Mode	Deactivates LEDs on the camera (DVR vibrating confirmations remain on)
Pre-Event Buffer	Up to 60 seconds, adjustable in 1 second increments
Wireless	Secure 802.11 WPA or WPA2 encryption. Used with VuLink & VuVault GO

Environmental / Mechanical / Regulatory

Operating Temperature	-20°C to +70°C
Storage Temperature	-40°C to +80°C
Dimensions	2-5/8"(w) x 4"(h) x 5/8"(d) (DVR) 1-1/8"(w) x 1 1/2"(h) x 1.0"(d) Chest Camera)
Weight	3.8 oz. (DVR w/ Standard Battery) 5.4 oz. (DVR w/ Extended Battery) 0.8 oz. (Chest Camera)
Humidity	10 – 90% RH, non-condensing
IEC 60529	IP5x Solid Object Protection IPx6 Water Protection

Regulatory



Author: Troy Bowlin	Document Number: 930-00064-00	Rev: A	3 of 9
---------------------	-------------------------------	--------	--------

DVR Options

Standard – for use with the standard 2200mAh battery

Extended – for use with the extended 4400mAh and 4800mAh batteries

Camera Options

Models

Standard Audio

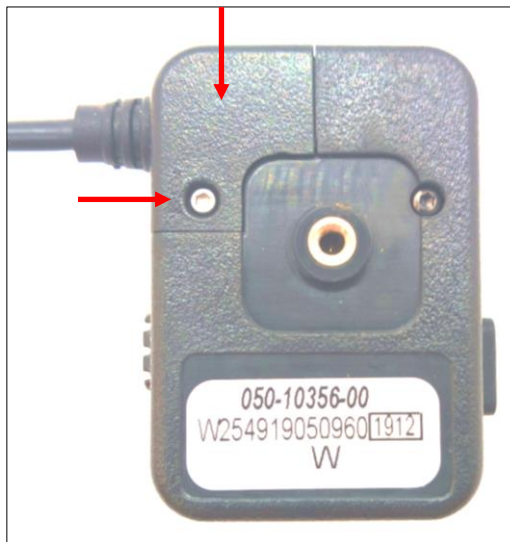
Enhanced Audio – optimized for large crowds

Cable Lengths – user replaceable

11", 32", 48"

Service Door – allows for user replacement of the camera cable

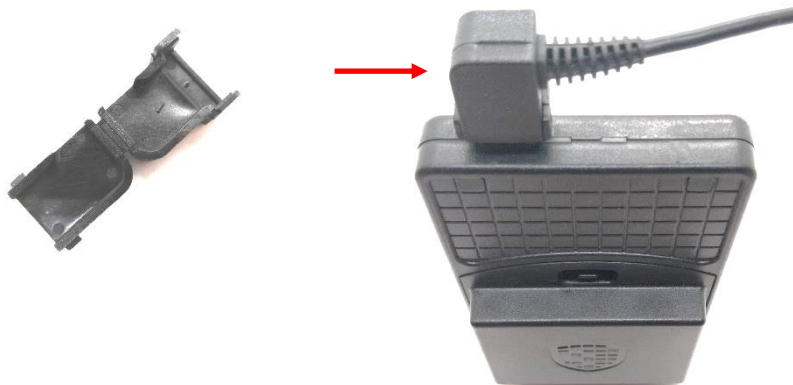
Service Door



#0-80 x 1/4" SHCS

0.050" hex driver required

Cable Clamp – reinforces the DVR and Camera Cable connection



Author: Troy Bowlin	Document Number: 930-00064-00	Rev: A	4 of 9
---------------------	-------------------------------	--------	--------

LED Behavior

Normal Mode

	Camera	DVR	DVR	DVR VIBRATE
Power & Record				
Powering ON			Alternating Flash	1 Pulse
Event Recording	On			Pulse (Frequency Configurable)
Standby or Standby Pre-Event				
Memory Alerts				
15 Minutes Remaining			1 Flash / 5 Seconds	1 Pulse / 5 Seconds
Battery Alerts				
15% Charge Remaining		2 Flashes / 5 Seconds		2 Pulses / 5 Seconds
Charge in Progress*		Flash		
Charging Complete*		On		
Data Transfer				
Transfer in Progress			Flash	
Transfer Complete			On	
Error			3 Flashes / 5 Seconds	3 Pulses / 5 Seconds
VuLink				
Connected to VuLink	VuLink will display a flashing LED when searching for your FirstVu HD, and display a solid yellow LED when connected to your FirstVu HD.			

*The unit may be charged via USB cable with the power switch in the OFF position. However, no LED indicators will be active while it is charging.

NOTE When in a Data Transfer stage, wireless communications with VuLink are automatically disabled. This prevents an accidental recording while docked.

Covert Mode

	Camera	DVR	DVR	DVR VIBRATE
Power & Record				
Powering ON			Alternating Flash	1 Pulse
Event Recording				Pulse (Frequency Configurable)
Standby or Standby Pre-Event				
Memory Alerts				
15 Minutes Remaining				1 Pulse / 5 Seconds
Battery Alerts				
15% Charge Remaining				2 Pulses / 5 Seconds
Charge in Progress		Flash		
Charging Complete		On		
Data Transfer				
Transfer in Progress			Flash	
Transfer Complete			On	
Error				3 Pulses / 5 Seconds
VuLink				
Connected to VuLink	VuLink will display a flashing LED when searching for your FirstVu HD, and display a solid yellow LED when connected to your FirstVu HD.			

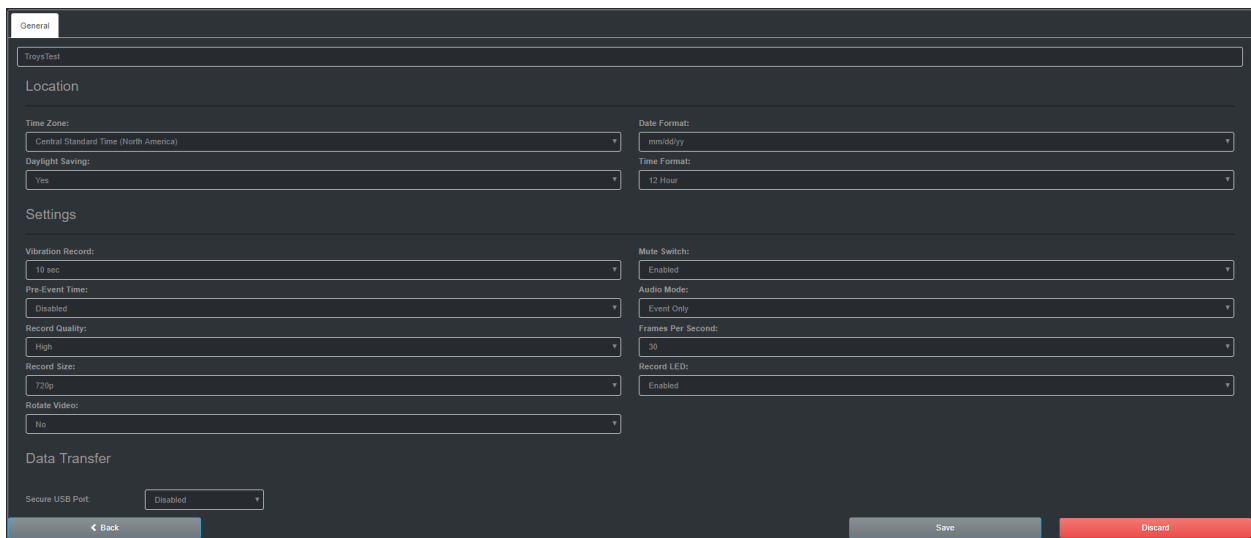
Author: Troy Bowlin	Document Number: 930-00064-00	Rev: A	5 of 9
---------------------	-------------------------------	--------	--------

Firmware Options

- 910-00254-00 .avi video format
- 910-00254-01 audio enhanced (optimized for large crowds)
- 910-00254-07 .mp4 video format (optimized for cloud services)

- 910-00254-03 VuSchools option 1 910-00254-04 VuSchools option 2
- 910-00254-06 FIFO Enabled (overwrites oldest video when storage is full)

Configuration Options



Secure USB Option

a configuration option which does not allow viewing, editing or deleting files from the FirstVuHD connecting in secure mode, the volume name will appear as the device serial number appended with CT the only file accessible is the dvmInfo.log file;

which contains information as the device such as serial number and firmware

Author: Troy Bowlin	Document Number: 930-00064-00	Rev: A	6 of 9
---------------------	-------------------------------	--------	--------

Back Office Options

VuVault Local



Local Storage Solution

VuVault.com



AWS-S3 Cloud Solution

Evo.VuVault.com



AWS-GOV Cloud solution

VuSchools.com



AWS-S3 Cloud Solution

PitVu.com



AWS-S3 Cloud Solution

FleetVuManager.com



AWS-S3 Cloud Solution

Author: Troy Bowlin	Document Number: 930-00064-00	Rev: A	7 of 9
---------------------	-------------------------------	--------	--------

FirstVuHD Current Draw

Standby – VuLink disabled	40mA
Standby - VuLink enabled	76mA average 7sec @ 40mA, 3sec @ 160mA
Pre-Event OR Record	500mA average

Battery Options – User Replaceable

3.7VDC, 2200mAh Standard Rechargeable Lithium Ion Polymer Battery – 2 included

Record Time	~4.4 hours continuous record OR pre-event enabled
Standby	~55 hours days standby with no activity
-VuLink disabled	~9 hours w pre-event disabled (4hrs record + 5hrs standby)
Standby Time	~29 hours standby with no activity
-VuLink enabled	~6.5 hours w pre-event disabled (4hrs record + 2.5hrs standby)

3.7VDC, 4400mAh Extended Rechargeable Lithium Ion Polymer Battery – 1 included

Record Time	~8.8 hours continuous record OR pre-event enabled
Standby	~110 hours days standby with no activity
-VuLink disabled	~18 hours w pre-event disabled (8hrs record + 10hrs standby)
Standby Time	~ 27.5 hours standby with no activity
-VuLink enabled	~10.5 hours w pre-event disabled (8hrs record + 2.5hrs standby)

3.7VDC, 4800mAh Extended Rechargeable Lithium Ion Polymer Battery – 1 included

Record Time	~9.6 hours continuous record OR pre-event enabled
Standby	~120 hours days standby with no activity
-VuLink disabled	~28 hours w pre-event disabled (8hrs record + 20hrs standby)
Standby Time	~30 hours standby with no activity
-VuLink enabled	~13 hours w pre-event disabled (8hrs record + 5hrs standby)

Author: Troy Bowlin	Document Number: 930-00064-00	Rev: A	8 of 9
---------------------	-------------------------------	--------	--------

Charger Options

1A Desktop Charger

- Standard Battery Charge Rate / time ~ 4 hours
- Extended Battery Charge Rate / time ~ 8 hours



2A Desktop Charger

- Standard Battery Charge Rate / time ~ 4 hours
- 0.5C/1.1A charge rate
- Extended Battery Charge Rate / time ~ 4 hours
- 0.5C/2.2A charge rate

2A Desktop Multi-Charger

- 6 Integrated 2A Desktop Chargers
- Standard Battery Charge Rate / time ~ 4 hours
- Extended Battery Charge Rate / time ~ 4 hours



Docking Station Options

allows charging and upload of video from of 12 FirstVuHDs

Dock Version 1

Dock X Version 2

Dock X Version 2.5

Docking Station Version 3



Wireless Triggering Options

allows sync'd triggering of in car video and the FirstVuHD

VuLink



VuLink X



Author: Troy Bowlin	Document Number: 930-00064-00	Rev: A	9 of 9
---------------------	-------------------------------	--------	--------

FirstVuHD Mounting Options

Car Mount Kit



Motorcycle Mount Kit



DVR Mounting Options

Belt Mount



DVR Visor Mount



5.11 Standard Pouch



5.11 Extended Pouch



Camera Mounting Options

Fabric Clip



Wide Fabric Clip



Velcro Mount



Button Mount



Wedge Kit



Adjustable Mount



Magnetic Mount



Helmet Mount Kit

