	<b>Title:</b> DV601 User Manual		Department <b>Engineering</b>	
			Revision: <b>DRAFT</b>	Page: <b>1</b>
Authorized by: Mathew Locoteta	Document Owner: Mathew Locoteta	Approved by: **PENDING*	Effective Date: 11/23/2020	Doc ID: UM-0030-DO




## User Manual (UM)

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DV601

**Version:** A  
**Author:** Mathew Locoteta  
**Date:** 2020-11-23

Rosco, Inc.


	<b>Title:</b> DV601 User Manual		Department <b>Engineering</b>	
			Revision: <b>DRAFT</b>	Page: <b>2</b>
Authored by: Mathew Locoteta	Document Owner: Mathew Locoteta	Approved by: **PENDING*	Effective Date: 11/23/2020	Doc ID: UM-0030-DO

## I. Revision History

Rev. #	Rev. Date	Author	Section	Summary of Changes
A	2020-11-23	M. Locoteta	ALL	Initial release

## II. Related Documents


Ref. #	Document Name	Rev.	Date	Author

	<b>Title:</b> DV601 User Manual		Department <b>Engineering</b>	
			Revision: <b>DRAFT</b>	Page: <b>3</b>
Authored by: Mathew Locoteta	Document Owner: Mathew Locoteta	Approved by: **PENDING*	Effective Date: 11/23/2020	Doc ID: UM-0030-DO

## I. Table of Contents

### Contents

I. Revision History.....	2
II. Related Documents.....	2
I. Table of Contents .....	3
1 Introduction.....	4
1.1 Purpose of this Document .....	4
1.2 Scope of this Document.....	Error! Bookmark not defined.
2 Basic Menu.....	Error! Bookmark not defined.
3 Advanced Menu .....	Error! Bookmark not defined.
4 Graphic Implementation Example .....	Error! Bookmark not defined.
5 Markup to Current DV-Pro 5.....	Error! Bookmark not defined.
6 Internal Approval Sign-off .....	Error! Bookmark not defined.

	<b>Title:</b> DV601 User Manual		Department <b>Engineering</b>	
			Revision: <b>DRAFT</b>	Page: <b>4</b>
Authored by: Mathew Locoteta	Document Owner: Mathew Locoteta	Approved by: **PENDING*	Effective Date: 11/23/2020	Doc ID: UM-0030-DO

## 1 Introduction

### 1.1 Purpose of this Document

This document is meant to be a reference to quickly understand the basic features and functions of the DV601.

### 1.2 Device Description

The Rosco DV601 is an AI-Enhanced dual-channel commercial grade dashcam built with driver safety in mind.

## 2 Key Features


The DV601 dashcam supports the following features:

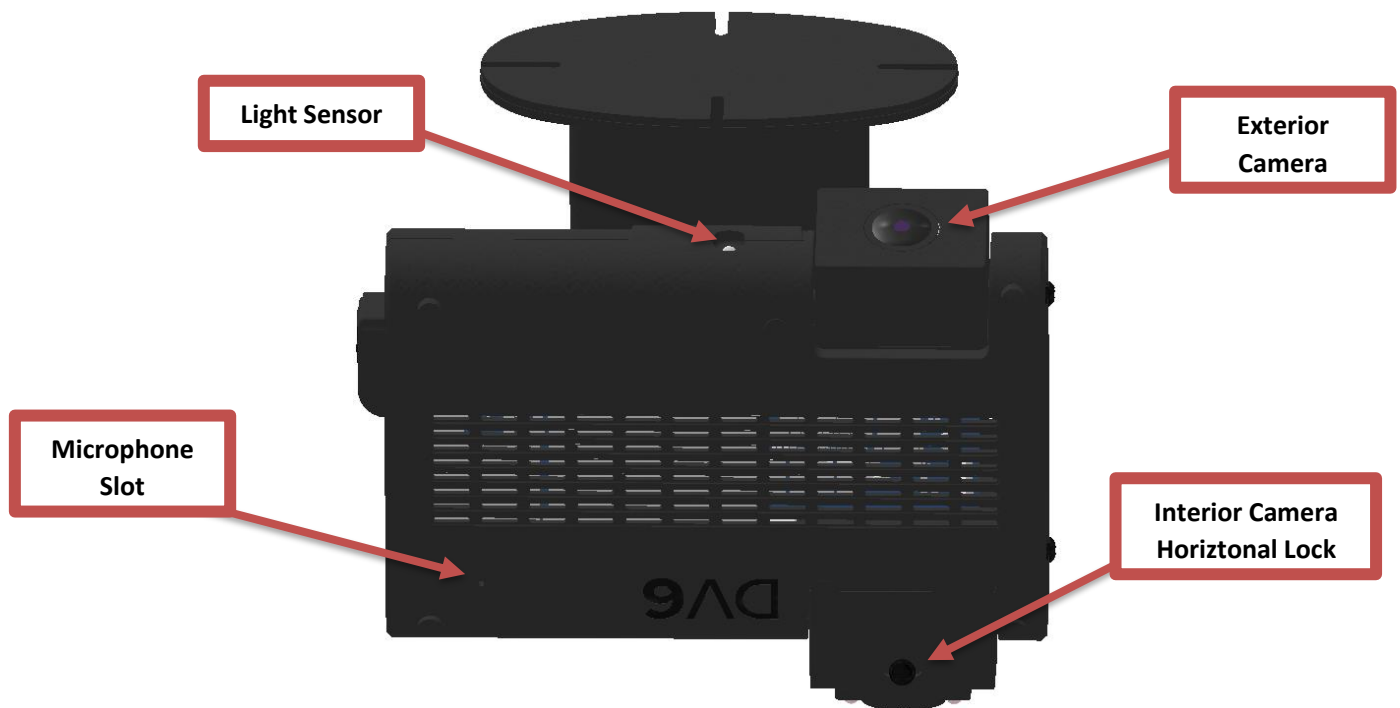
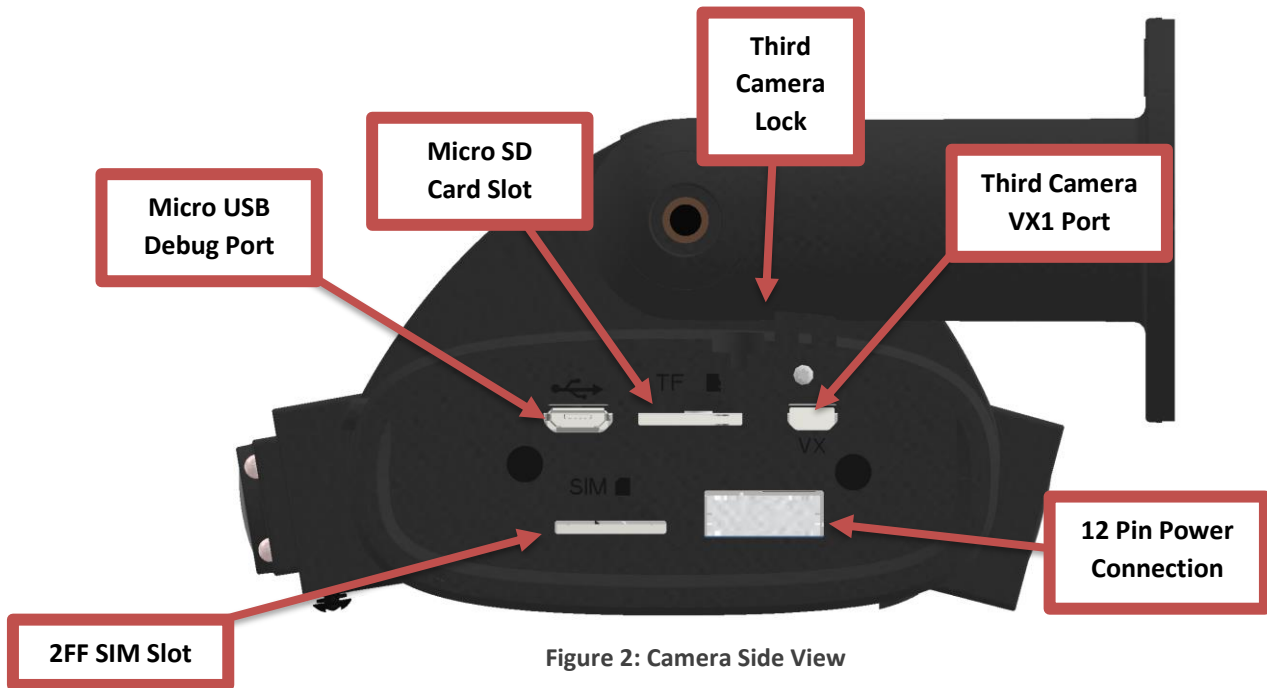
1. On-device 2 Channel, 1080p @ 30FPS recording.
2. AI- Enhanced Real-Time Driver Monitoring System.
3. On-Device wireless technology: 4G, Wi-Fi, and GPS.
4. Tamper resistant construction with locking camera and bracket.
5. Micro SD expandable storage up to 1TB.


## 3 Camera Hardware



Figure 1: Camera View 1

	<b>Title:</b> DV601 User Manual		Department <b>Engineering</b>	
			Revision: <b>DRAFT</b>	Page: <b>5</b>
Authored by: Mathew Locoteta	Document Owner: Mathew Locoteta	Approved by: **PENDING*	Effective Date: 11/23/2020	Doc ID: UM-0030-DO

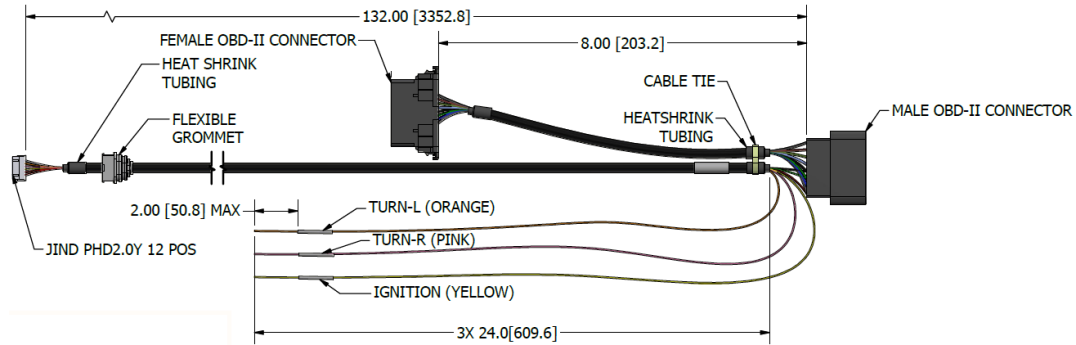


	<b>Title:</b> DV601 User Manual		Department <b>Engineering</b>	
			Revision: <b>DRAFT</b>	Page: <b>6</b>
Authored by: Mathew Locoteta	Document Owner: Mathew Locoteta	Approved by: **PENDING*	Effective Date: 11/23/2020	Doc ID: UM-0030-DO

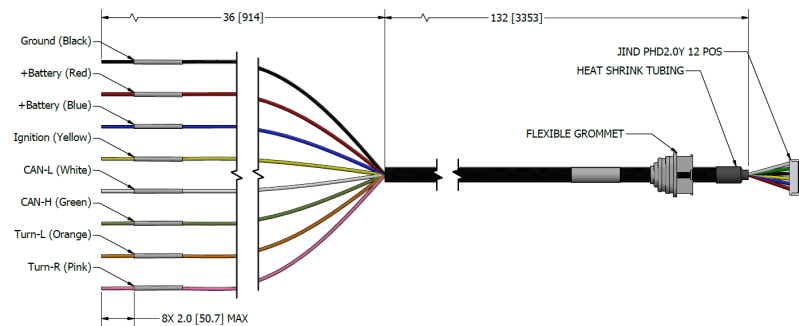
## 4 DV601 Harnessing

The DV601 is can be supplied with several harnesses to meet various applications.

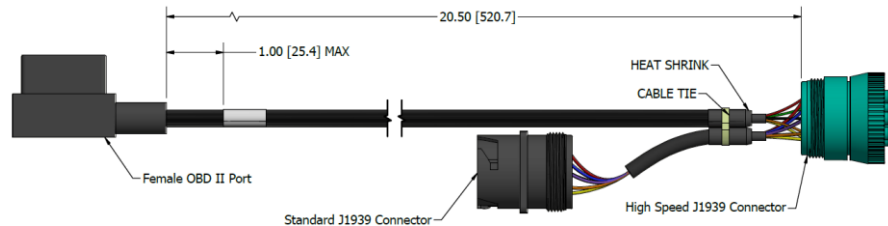
### 1. DV665- Standard OBD II with Ignition and Turn Signals.



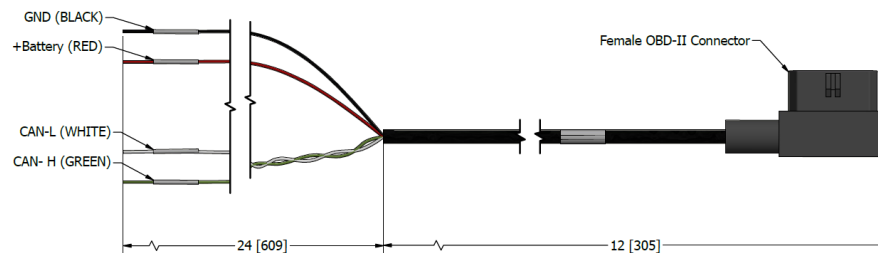
### 2. DV667- Breakout harness with all used connections.




### 3. DV668 – OBD II to J1939 Connector



### 4. DV669 – OBD II to Breakout Harness



The DV665 can be combined with the DV668 or DV669 to meet most non-OBD-II applications. If known in advance, it is recommended to use the DV667 breakout harness during installation.


	<b>Title:</b> DV601 User Manual		Department <b>Engineering</b>	
			Revision: <b>DRAFT</b>	Page: <b>7</b>
Authored by: Mathew Locoteta	Document Owner: Mathew Locoteta	Approved by: **PENDING*	Effective Date: 11/23/2020	Doc ID: UM-0030-DO

## 5 Before Installation

Before installation of DV601 ensure the following is complete:

1. A micro-SD card is formatted to FAT32 and inserted in the micro SD Slot.
2. If necessary, contact Rosco Engineering to supply a valid device configuration for your device.
3. If using on-device 4G, make sure an activated SIM card is inserted in the SIM slot.
4. Ensure your harness matches your vehicle requirements (OBD-II, J1939, Breakout).



	<b>Title:</b> DV601 User Manual		Department <b>Engineering</b>	
			Revision: <b>DRAFT</b>	Page: <b>8</b>
Authorized by: Mathew Locoteta	Document Owner: Mathew Locoteta	Approved by: **PENDING*	Effective Date: 11/23/2020	Doc ID: UM-0030-DO

## 6 In-Vehicle Device Connection



1 - Clean the windshield with the supplied alcohol



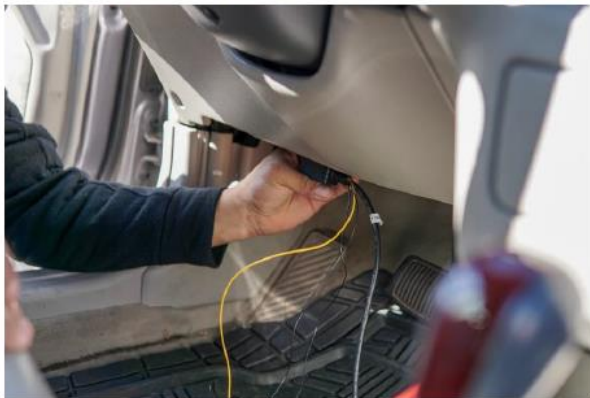
2 - Mount the Camera to the windshield



3 - Route the camera harness across the headliner



4 - Locate the OBD connector under the dash




5 - Connect the harness to the vehicle's OBD plug, then connect the YELLOW wire to the vehicle's ignition



6 - Using a T-15 security bit, loosen the set screw on the bottom of the camera to adjust your view



	<b>Title:</b> DV601 User Manual		Department <b>Engineering</b>	
			Revision: <b>DRAFT</b>	Page: <b>9</b>
Authored by: Mathew Locoteta	Document Owner: Mathew Locoteta	Approved by: **PENDING*	Effective Date: 11/23/2020	Doc ID: UM-0030-DO




When mounting the DV6, be sure to press each corner of the bracket to ensure a permanent bond to the windshield

Securing the OBD cable with a zip tie will prevent an accidental disconnect and/or driver tampering

Adjusting T-15 security screw A will allow adjustment of the camera lens. Adjusting T-15 screw B will allow camera adjustment from the base

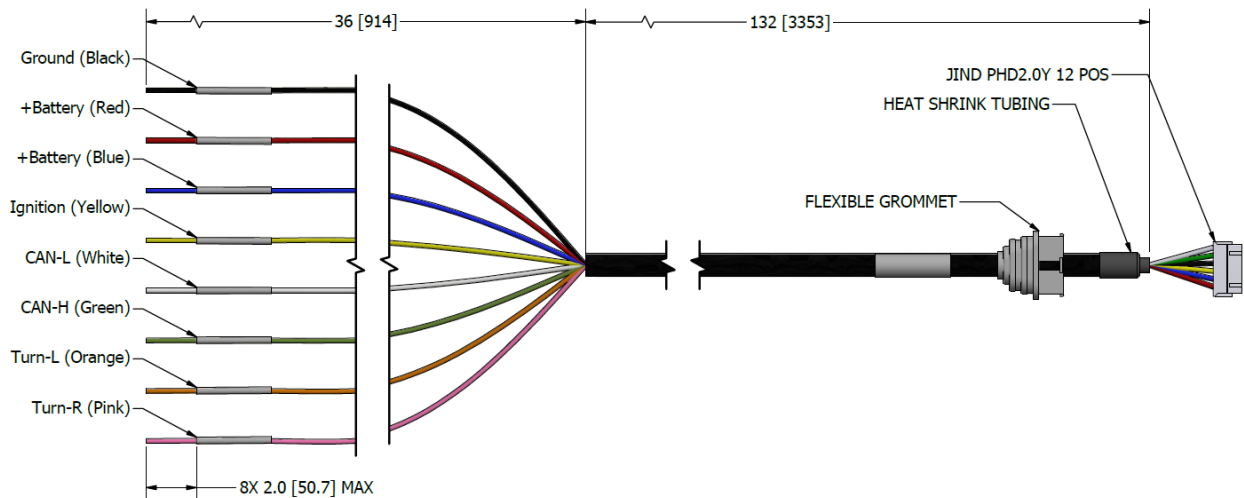


**Note:** Depending on your application connect the OBD-II port on DV665 to DV668 for J1939 connector or to DV669 for breakout wiring.

	<b>Title:</b> DV601 User Manual		Department <b>Engineering</b>	
			Revision: <b>DRAFT</b>	Page: <b>10</b>
Authorized by: Mathew Locoteta	Document Owner: Mathew Locoteta	Approved by: **PENDING*	Effective Date: 11/23/2020	Doc ID: UM-0030-DO


## 7 Breakout Harness Connection Guide

For out of vehicle connection or known use direct connection it is recommended to use the breakout harness (DV667).



The following table illustrates what each wire's description and intended connection.

#	Color	Connection	Type	Function
1	Black	Ground	Power	Connect to battery ground.
2	Red	+Battery	Power	Connect to battery positive (10 VDC — 36VDC)
3	Blue	+Battery	Power	Connect to battery positive (10 VDC — 36VDC)
4	Yellow	Ignition	IO	Connect to battery ignition. Turns device on and is a switch between parking mode and drive mode.
5	White	CAN-L	IO	Connect to CAN low. Supplies vehicle CAN information.
6	Green	CAN-H	IO	Connect to CAN high. Supplies vehicle CAN information.
7	Orange	Turn-L	IO	Connect to left turn signal.
8	Pink	Turn-R	IO	Connect to right turn signal.

	<b>Title:</b> DV601 User Manual		Department <b>Engineering</b>	
			Revision: <b>DRAFT</b>	Page: <b>11</b>
Authorized by: Mathew Locoteta	Document Owner: Mathew Locoteta	Approved by: **PENDING*	Effective Date: 11/23/2020	Doc ID: UM-0030-DO

## 8 LED Indicators

The DV601 is equipped with three status indicators. Upon powering up the device should go from the “Device Bootup” state to the “Recording” state. Once in the recording state, the device will attempt to connect to RoscoLive and keep the Green LED solid. The red and yellow LEDs are used for diagnostics.

