Micronet SmartCAM

Vehicular Android Camera DVR and ADAS
(Advanced Driver Assistance System)

DTK Contents Overview

Revision 2.0 December 2019

SMARTCAM-T
MICRONET

powered by

ANDROID

1. Introduction

Micronet SmartCAM Platform Overview

The Micronet SmartCAM™ is a rugged Android-based DVR platform, designed for in-vehicle use.

With integrated GPS, WLAN, BT, NFC, dual high-resolution cameras, CAN bus, and cellular modem (optional for Premium V2 model), the Micronet SmartCAM™ supports a suite of vehicle and peripheral interfaces. The Micronet SmartCAM™ enables a host of advanced mobility solutions such as Driver Behavior Analysis, ADAS, Video Analytics, Driver Distraction Solutions, Routing and Dispatch, Fuel Efficiency, Navigation, Fleet Tracking, Driver Interaction, and more.

Designed to operate in rough commercial automotive environments, including a wide range of temperatures, vibrations and shock, the Micronet SmartCAM™ lowers the Total Cost of Ownership.

The Micronet SmartCAM™ platform operates by Google Android™ 9 (Pie) operating system. Its Open Platform offers a comprehensive development environment for independent application programming and system integration.

The Micronet SmartCAM™ is a GSD™ enabled device allowing advanced device updates and control.

Using the integrated GPS, WLAN, GPIO, and CAN interface (optional), the Micronet SmartCAM™ platform supports a fully integrated and standalone fleet management solution.

The Micronet SmartCAM™ Development Tool Kit

The Micronet SmartCAM™ Development Packages provide all the tools and accessories required for application development, product evaluation, and product testing.

The Development Tool Kit (DTK) includes a box containing the Micronet SmartCAM™ Basic, Intermediate or Enhanced unit, cable harness, and accessories for in-vehicle installation.
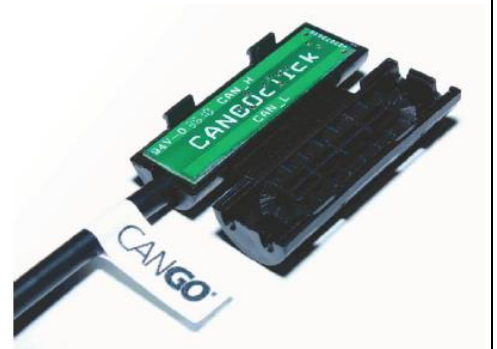
2. DTK Components and Accessories

Enhanced DTK Overview

The Micronet SmartCAM™ DTK includes all the components for the developer to use on the desk and for installing the device in the vehicle.

Assembly components that can be provided are:

PN	Feature	QTY	Picture
Device			
MCAM-E001-000	Micronet SmartCAM™ Enhanced	1	
Cables & Adapters			
GCAB616	SmartCam Standard cable	1	
GCAB618	SmartCAM Development Kit cable	1	
GCAB987 (Rev. 01)	Ignition switch for lighter socket adaptor (Could come connected to GCAB977)	1	

PN	Feature	QTY	Picture
GCAB977 (Rev. 00)	12V DC lighter socket power adaptor for SmartCAM	1	
GCAB330	CANGOclick 8-40 vdc- CANbus cable	1	
GCAB562	Cable Tx/Rx DB9 -Microfit	1	
GCAB563	Debug Cable Rev 01	1	

PN	Feature	QTY	Picture
GCAB564	J1708 Cable Rev02	1	
GCAB565	J1939 Cable with DEUTSCH Connector Rev02	1	
GCAB576	OBD II extension cable REV4	1	
GCAB654	USB 2.0 A TO MICRO-USB B	1	

PN	Feature	QTY	Picture
NCH500100	Wall Power Adapter to Molex 4 pin220AC to 12DC	1	
Mounting Accessories (Development)			
SET500110	Development Kit Pedestal	1	
SET300125	4.75" RAM Metal Mounting Arm Kit	1	
GPLSMCAM-17/1 GPLSMCAM-17/2 GPLSMCAM-17/3	Windshield angle mounting adaptor SmartCAM Windshield adaptor 5° SmartCAM Windshield adaptor 10° SmartCAM Windshield adaptor 15°	1 1 1	
GPLSMCAM-15	SmartCAM Driver camera Cover	1	

PN	Feature	QTY	Picture
GPLSMCAM-16	SmartCAM Dual cam cover	1	
Other Accessories			
GTOL302 GB12V5M15R GWS5.119.251.2	Screws and Allen (Hex) Socket Key	1 1 1	