DC10

4G Ai 3CH-Dashcam with
Full Featured Telematics

4G ⌀ LTE Cat4 network

SD 512*2GB

Wi-fi Tool & hotspot

DMS

Loop Recording

GNSS

ADAS

Face ID

H265 HEVC

OTA FOTA

DC10 is an intelligent video terminal designed specifically for small and medium-sized vehicles. It has the advantages of small size, high integration, and simple installation. This product has 2T NPU computing power and can support ADAS and DMS and BSD functions at the same time. It can be used in taxis, online car-hailing and small and medium-sized logistics vehicles.

Application

Taxi/Car-hailing

Logistics

Vehicle rental

Fleet management

Video/Audio

Audio and video input	1080P*3 25 frame
Video format	PAL
Compression standard	H.264/H.265
Image resolution	1080P/720P/D1/HD1/CIF
Video quality	1 to 8 levels are available , 1 is the highest quality, 8 is the lowest
Audio compression	G711A
Recording mode	Synchronous recording of audio and video
Video bit rate	Full frame 4Mbps
Audio bit rate	8KB/s
Storage medium	Two TF card
Video query	It can be searched by channel and video type
Local playback	Playback by file

Network

Model	Region	Band	GNSS Type	Accuracy(CPE)
DC10-EU	EMEA	LTE-FDD:B1/3/7/8/20/28A LTE-TDD:B38/40/41 WCDMA: B1/8 :GSM: B3/8	GPS+BD	<5m
DC10-AU	Latin America	LTE-FDD:B1/2/3/4/5/7/8/28:LTETDD:B40: WCDMA: B1/2/5/8: GSM: B2/3/5/8	GPS+BD	<5m
DC10-AF	North America	LTE-FDD:B2/4/5/12/13/14/66/71 WCDMA: B2/4/5	GPS+BD	<5m

Interface

Communication interface	Type-C interface
Wire	Support power cord (positive, negative, ACC, left and right turn, Panic button)
Intercom interface	Built-in speakers, 1 microphone
Indicator light	4 LED with two color
WIFI	support
TF card	256GB*2
SIM card	Micro sim
ACC-IN	ACC, pick up the ACC line on the vehicle (for vehicles with ACC automatic start and stop, it is necessary to pay attention to the ACC line that is still live after the docking engine stops)
PWR_IN+	Power cord, connect to the 9-36V power supply on the vehicle
GND	Ground wire, connect to the ground wire on the vehicle
Panic button	The host comes with a built-in panic button and can also be connected to an external panic button.
Left-turn signal	Connected to the vehicle's left turn signal
Right-turn signal	Connected to the vehicle's right turn signal
GPS antenna	Internal.
RS232	Optional

Basic

System	Linux
Sensor	High-performance six-axis IMU sensor
Power input	DC: 9V - 36V
Operating temperature	-20 - 70°C
Power consumption	Maximum power consumption of 7W, voltage of 12V/0.6A, voltage of 24V/0.3A, and standby power consumption of 0.7W
Size	120*75*28mm
Weight	240g

Additional Camera Accessories

DC10 could connect two channels external camera to meet more diversfied application needs such as the DMS camera for driver behavior Cabin camera for cargo or cockpit footage, Side and Rear camera for blind spot.

ADAS Camera

Monitors the surroundings to detect road hazards and prevent collisions.

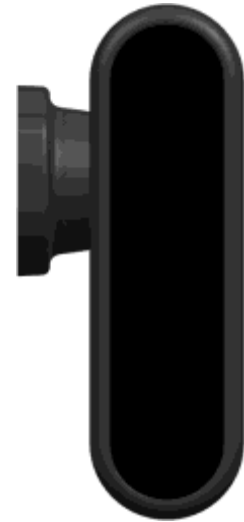| DC10 ADAS camera specifications	
Lens	DFOV: 140°
Pixel	1920H×1080V
Output Format	Mipi
Mirror function	Pre-image
Maximum frame rate	30 fps
Audio output	Doesn't support
Operating Voltage	DC 3.3V
Operating temperature	-20°C ~ 80°C

DMS Camera

Monitors driver behavior to detect distraction and drowsiness.

DC10 DMS camera specifications

Sensor	S6 1 /2.7"200W CMOS Sensor
Image Pixel	1280(H)*720(V)/1920(H) × 1080(V)
Video signal	AHD
System	PAL
Pixel size	3.0um*3.0um
Lens/sensor distortion angle	-5%
Focal length	6mm
WDR range	85dB
Frame rate	25
Image mode	Black and white image
Mirror	Support
IR distance	0-1.2M
IR wavelength	940nm
Lens	F2.0 D=65° H=56° V=31°
Temperature	-20℃--＋70℃
Humidity	10% - 90%
Power	DC 12V
Waterproof grade	IP66
Consumption	<1.8w
Weight	120G

Rear Camera

A rear-facing camera mounted on the exterior of the vehicle.

DC10 rear camera specifications

Sensor	1/2.9"CMOS
Image Pixel	1920(H) × 1080(V)
Video signal	AHD
System	PAL
Mini Illumination	0lux(IR ON)
Shutter speed	-AUTO/ 1/50（1/60）-1/100,000sec
ICR	Professional vehicle IR CUT
WDR range	Digital WDR
White Balance	Automatic tracking
Gamma Correction	0.45
Mirror	Support
IR distance	15M
Back compensation	Support
Lens	2.2mm FOV(D): 170°, FOV(H): 135°, FOV(V):100°
Temperature	-20℃--＋70℃
Humidity	10% - 90%
Power	DC 12V
Waterproof grade	IP69K
Consumption	<3w
Weight	270G

Side Camera

A camera installed on the side of the vehicle to record side-view images and provide blind spot warnings.

DC10 side camera specifications

Sensor	1/2.9"CMOS
Image Pixel	1920(H) × 1080(V)
Video signal	AHD
System	PAL
Mini Illumination	0lux(IR ON)
Shutter speed	-AUTO/ 1/50（1/60）-1/100,000sec
ICR	Professional vehicle IR CUT
WDR range	Digital WDR
White Balance	Automatic tracking
Gamma Correction	0.45
Mirror	Support
IR distance	15M
Back compensation	Support
Lens	2.2mm　FOV(D): 170°, FOV(H): 135°, FOV(V):100°
Temperature	-20℃--＋70℃
Humidity	10% - 90%
Power	DC 12V
Waterproof grade	IP69K
Consumption	<3w
Weight	190G

Cabin Camera

Video footage captured by in-vehicle cameras to monitor the condition of the cargo and the activities within the driver's cab.

DC10 cabin camera specifications

Sensor	GC2053, 1/2.9"
Image Pixel	1920(H) × 1080(V)
Video signal	AHD
System	PAL
Mini Illumination	0.1Lux@F1.2, 0Lux (IR ON)
Shutter speed	-AUTO
IR led details	6pcs 850 IR led, distance:5-10M. 1-2Lux open, 4-5Lux close
SNR	>70DB
White Balance	Automatic tracking
Gamma Correction	0.45
Mirror	Support
IR distance	5-10M
Back compensation	Support
Lens	2.8MM
Temperature	-20℃--＋70℃
Humidity	10% - 90%
Power	DC 12V
Waterproof grade	IP66
Consumption	<3w
Weight	190G