

MOSS-CDC-2.3 LTE





MOSS-CDC 2.3 LTE

Product Features

- 2MP resolution with 140° DFOV for road facing camera, 2MP resolution with 170° DFOV for cabin camera
- Support up to 2-channel video recording, H.264/H.265 video coding
- Dual Micro SD card storage, supporting dual-stream recording
- Built-in Wi-Fi and 4G module
- Support 4 inputs, 1 channel CAN and 1 channel RS232
- Compact Design
- Support OBD powering
- Support sleep mode (power consumption less than 0.1W)
- 6-axis gravity sensor detects intense driving behaviors (Harsh Acceleration, Deceleration, Sharp turn & Accident detection)

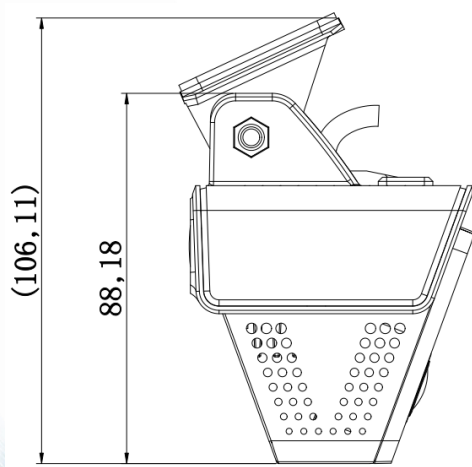
Specifications

Product Model: MOSS-CDC-2.3 LTE	
System	Embedded Linux
Language	Support Chinese, English, Spanish, Portuguese, French, Russian, Japanese
Video/Audio	
Video/Audio Recording	2 channels for video, 1 channel for audio input
Total Resources	1080@30fps (Front) + 1080P@20fps (Cab)
Image Setup	Adjustable brightness, chroma, contrast, color saturation, and sharpness
Video Coding	H.264 /H.265 (default: H.265)
Audio Compression Standard	ADPCM/G.711/G.726 (default: ADPCM)
CBR/VBR	Supported. VBR or CBR (optional), VBR by default
Audio	Built-in MIC
Loudspeaker	Built-in MIC Speaker
Road facing Camera Parameters	
Sensor Type	1/2.8" 2-megapixel CMOS sensor
Shutter Speed	1/30s-1/100000s
Lens	2.6mm HFOV: 114° VFOV: 77° DFOV: 143°
Minimum illumination	Color: 0.05Lux/F1.2
Lens Mount	MDVR built-in lens

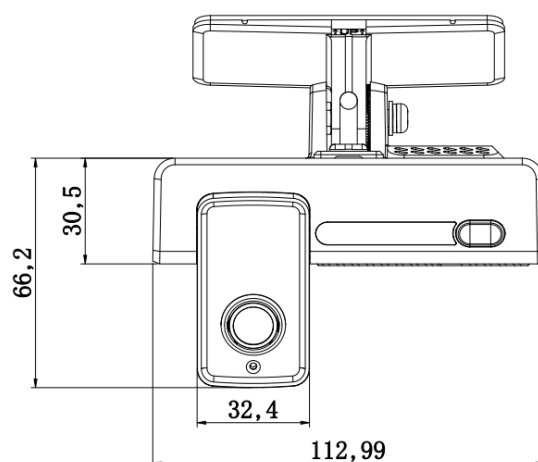
Wide Dynamic Range (WDR)	Digital WDR		
Backlight Compensation	Supported		
Signal-to-Noise Ratio (S/N)	≥48dB		
Cabin Camera Parameters			
Sensor Type	1/2.9" 2-megapixel CMOS sensor		
Shutter Speed	1/30s-1/100000s		
Lens	2.2mm HFOV: 151° VFOV: 84° DFOV: 170°		
Lens Mount	MDVR built-in lens		
Wide Dynamic Range (WDR)	Digital WDR		
Backlight Compensation	Supported		
Signal-to-Noise Ratio (S/N)	≥45db		
LED Indicator Status			
1. Power Status Indicator	 Off/Blue	4. Network Status Indicator	 Off/Red
2. Alarm Indicator	 Off/Red	5. WiFi Status Indicator	 Off/Red/Green
3. GPS Signal Indicator	 Off/Red	6. Recording Status Indicator	 Off/Red
Storage			
Micro SD card	Support two Micro SD cards, with the maximum capacity of a single card is 256 GB		
Sensor			
Six-axis Sensor	Supported, Harsh Acceleration, Deceleration, Sharp turn & Accident detection		
Engine Data Page			
CAN Data Collection	Supported		
Port			
RS232	1		
IO Port	4-channel input		
CAN	1		
USB	1 × mini USB port		
Network			
WIFI	Support 2.4G (IEEE Std.802.11a/IEEE Std.802.11b/ IEEE Std.802.11g /IEEE Std.802.11n)		
4G	Supported For North America: EC25AFXGA-128-SGAS LTE FDD: B2/B4/B5/B12/B13/B14/B66/B71 WCDMA: B2/B4/B5 For Europe and Asia: EC25-EC LTE FDD: B1/B3/B7/B8/B20/B28A		

	WCDMA: B1/B8 GSM: B3/B8 For Latin America: EC25AUXGA-128-SGNS LTE FDD: B1/B2/B3/B4/B5/B7/B8/B28 LTE TDD: B40 WCDMA: B1/B2/B5/B8 GSM: B2/B3/B5/B8
Positioning	
GPS	Supported GPS L1 1575.42MHz BDS B1 1561.098MH GALILEO E1B/C1 GLONASS L1OF 1602MHz SBAS: WAAS, EGNOS, MSAS, GAGAN
Protocol	
Network Protocol	HTTP,TCP,ARP,UDP,FTP,DHCP,DNS,IPV4,NTP
Power Related	
Power Supply	9-36V
Built-in Battery	Not supported
Power Consumption	Typical power consumption < 7 W, maximum power consumption ≤ 9 W
General Specifications	
Dimensions	113.0 mm (length) × 67.8 mm (width) × 88.2mm (height, without bracket)
Weight	760g
Operating Temperature	-40°C - +70°C (-40°F - +158°F)
Storage Temperature	-40°C - +85°C (-40°F - +185°F)
Humidity	15% - 90%

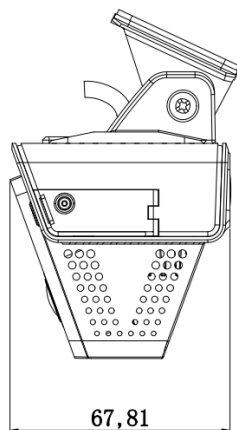
Dimensions (mm)



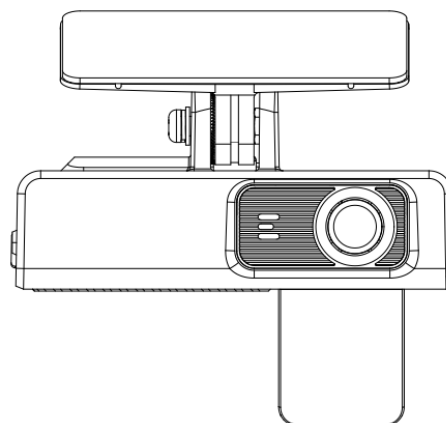
Left view



Front view



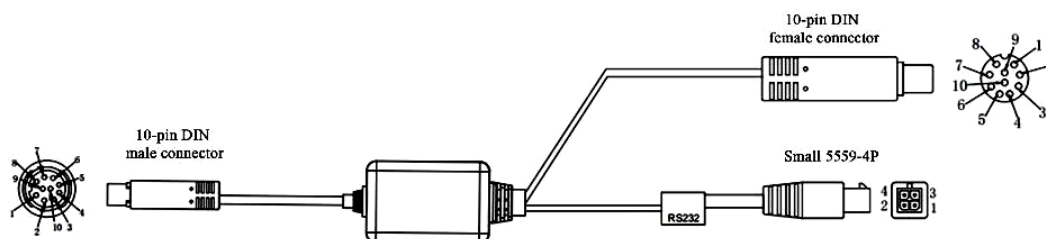
Right view



Rear view

Cable Connector Pinouts

Power supply box connector pinout



Pinout

TJC3-12PIN-P1.25

	10-pin DIN male connector	
1+2	10 DC+	Red + Red/White
3+4	9 DC-	Black + Black/White
5	8 TX	White
6	7 RX	Brown
7	6 SIN1	Purple
8	5 SIN2	Blue
9	4 3.3V	Gray
10	3 CANH	Green
11	2 CANL	Yellow
12	1 ACC	Orange

Pinout

TJC3-12PIN-P1.25

	10-pin DIN female connector	
1+2	10 GND	Black + Black/White
3+4	3 24V+	Red + Red/White
7	5 SIN1	Purple
8	7 SIN2	Brown
10	2 CANH	Green
11	1 CANL	Yellow
12	8 SPEED A	Blue
13	9 SPEED B	Gray
14	6 ACC	Orange
15	4 OBD-CHK	White

Pinout

TJC3-2PIN-P1.25

	Small 5559-4P	
1	1 +12V	Pink
2	NC	+5V Blue/White
9	4 GND	Black
6	3 232TX	Green
5	2 232RX	Yellow

Power output cable connector pinout

