AD Plus 2.0





Overview

As a professional, user-friendly and cost effective dash camera with built-in AI processor, Streamax AD Plus 2.0 detects risky driving events such as lane departure warning, forward collision warning and headway monitoring warning, as well as unsafe driving behaviors such as unfastened seatbelt, using mobile phones, yawning, distraction and smoking. In addition, it can remind drivers of unsafe driving behaviors in real time and upload driving events to a monitoring platform that can be reviewed by fleet managers to help fleets guide drivers and reduce traffic risks.

Highlight

- 5MP resolution with 140° DFOV for ADAS, 1080P resolution with 170° DFOV for DSC
- Support up to 4-channel video recording, H.264/H.265 video coding
- Dual Micro 256G SD card storage, supporting dual-stream recording
- Built-in Wi-Fi and 4G module
- Support 4-channel input, 1 channel CAN and 1 channel RS232
- Compact Design
- Support OBD powering, easy installation
- Functions of built-in ADAS and DSC, supporting AI event detection (up to 2-channel)
- Support sleep mode, remote wake-up(power consumption less than 0.1W)
- Support echo suppression algorithm to improve the quality of two-way voice intercom
- 6-axis gravity sensor detects intense driving behaviors (Harsh Acceleration, Deceleration, Sharp turn & Accident detection)

Active Safety Functions

Streamax AD Plus 2.0 uses machine vision-based on Video Analysis technology to automatically identify road risks and drivers' unsafe driving behaviors. Detected events will trigger audible and visual reminders to alert drivers in real time, event recordings will be uploaded to the cloud simultaneously.

ADAS Features



LDW(Lane Departure Warning)



HMW(Headway Monitoring Warning)



FCW(Forward Collision Warning)

DSC Features



Unfastened seat belt



Using mobile phone



Yawning







Smoking

Optional accessories for active safety DMS Features











Lens Covered



Fatigue

Phone Call

2

Smoking

Distraction

No driver detected

Unfastened seat belt

Yawning

Specifications

Product Model: AD Plus 2.0		
System	Embedded Linux	
Language	Support Chinese, English, Spanish, Portuguese, French, Russian, Japanese	



Video/Audio					
Video/Audio	4 shannal vidas (default: 2 shannals: avtansible: 2 shannals) ± 1 shannal avdis				
Recording	4-channel video (default: 2 channels; extensible: 2 channels) + 1-channel audio				
Total Resources	5MP@20fps(ADAS)+1080P@20fps(DSC)+1080P@20fps(AHD)				
(with 2-channel	+1080P@20fps(IPC)				
AI)					
	PAL:	4000D 0040 (177D) 14 4000D 0040 (7DG)			
Total Resources		$\times 1080$ P@25fps (AHD) + 1 $\times 1080$ P@25fps (IPC)			
(without AI)	NTSC:	v 1000D@20f (AUD) + 1 v 1000D@20f (IDC)			
T. G.	<u> </u>	× 1080P@30fps (AHD) + 1 × 1080P@30fps (IPC)			
Image Setup		na, contrast, color saturation, and sharpness			
Video Coding	H.264 /H.265 (default: H.26	5)			
Audio		1 177616			
Compression	ADPCM/G.711/G.726 (default: ADPCM)				
Standard					
CBR/VBR	Supported. VBR or CBR (or	otional), VBK by default			
Audio	Built-in MIC				
Loudspeaker	Built-in 3W loudspeaker				
ADAS Camera P					
Sensor Type	1/2.7" 5-megapixel CMOS s	ensor			
Shutter Speed	1/30s-1/100000s				
	2.8mm				
Lens	HFOV: 103°				
Lens	VFOV: 71°				
	DFOV: 140°				
Lens Mount	MDVR built-in lens				
Wide Dynamic	Digital WDR				
Range (WDR)					
Backlight Compensation	Supported				
Signal-to-Noise					
Ratio (S/N)	≥48dB				
Cabin Camera Pa	rameters				
Sensor Type	1/2.9" 2-megapixel CMOS s	ensor			
Shutter Speed	1/30s-1/100000s	0.110.01			
Shutter Speed	2.2mm				
	2.2mm HFOV: 151°				
Lens	HFOV: 151° VFOV: 84°				
	DFOV: 170°				
Lens Mount	MDVR built-in lens				
Wide Dynamic					
Range (WDR)	Digital WDR				
Backlight	G , 1				
Compensation	Supported				
Signal-to-Noise	≥45db				
Ratio (S/N)					
LED Indicator Status					
1. Power Status	O Off/Blue	4. Network Status Indicator			



Indicator				
2. Alarm	≌ Off/Red	5. WiFi Status Indicator		
Indicator	■O _{II} /Red	-	Oll/Red/Green	
3. GPS Signal	Off/Red	6. Recording Status	Off/Red	
Indicator		Indicator		
Storage	C M. CD 1	24.4	C : 1 1: 256 CD	
Micro SD card Sensor	Support two Micro SD cards	s, with the maximum capacit	y of a single card is 256 GB	
Six-axis Sensor	Supported Harsh Assolurat	ion, Deceleration, Sharp turn	o & Agaidant dataction	
Engine Data Page	1 * *	ion, Decereration, Sharp turi	1 & Accident detection	
CAN Data	Supported			
Collection	Supported			
Port				
RS232	1			
IO Port	4-channel input			
CAN	1			
USB	1 × mini USB port			
Network	<u> </u>			
WIFI	Support 2.4G (IEEE Std.802	2.11a/IEEE Std.802.11b/ IEE	E Std.802.11g	
VV 11 1	/IEEE Std.802.11n)			
	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			
4G	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 1602MH2 SBAS: WAAS, EGNOS, MS			
Protocol	DDAG. WAAG, EGNOS, MA	ono, onomi		
Network				
Protocol	HTTP,TCP,ARP,UDP,FTP,D	OHCP,DNS,IPV4,NTP		
Power Related				
Power Supply	9-36V			
Built-in Battery	Not supported			
Power	Typical power consumption <8 W, maximum power consumption <12 W			
Consumption	1, production of the maximum power consumption \12 w			

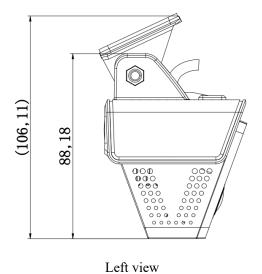


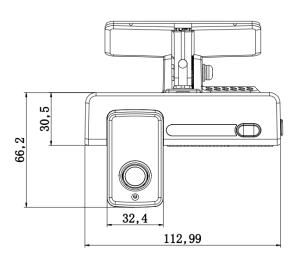
General Specifications		
Dimensions	113.0 mm (length) × 67.8 mm (width) × 88.2mm (height, without bracket)	
	MDVR: 306 g	
Weight	MDVR + bracket + screw: 330 g	
	MDVR + bracket + screw + power supply box + power tail cable: 591 g	
Operating	-40°C - +70°C (-40°F - +158°F)	
Temperature	-40 C - +70 C (-40 F - +138 F)	
Storage	-40°C - +85°C (-40°F - +185°F)	
Temperature	-40 C - 703 C (-40 F - 7103 F)	
Humidity	15% - 90%	

Certification Information

Certification	Time
Emark	
CE-EMC	
FCC-ID	
PTCRB	
ROHS	
REACH	
EN50155	
AT&T	
Verizon	
CE-RED	
UKCA	

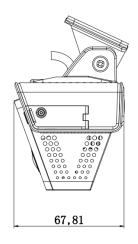
Dimensions (mm)

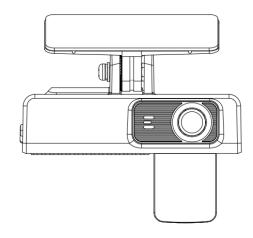




Front view



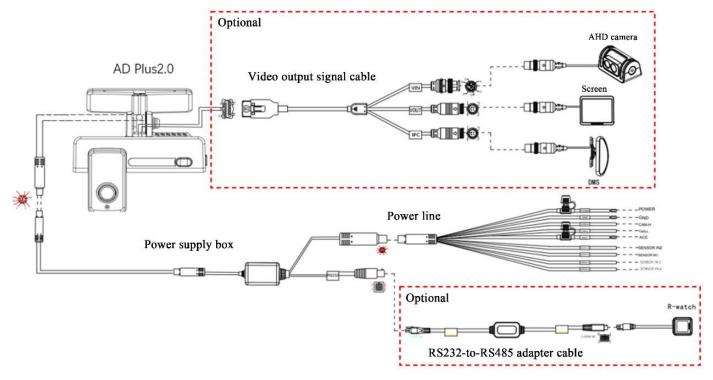




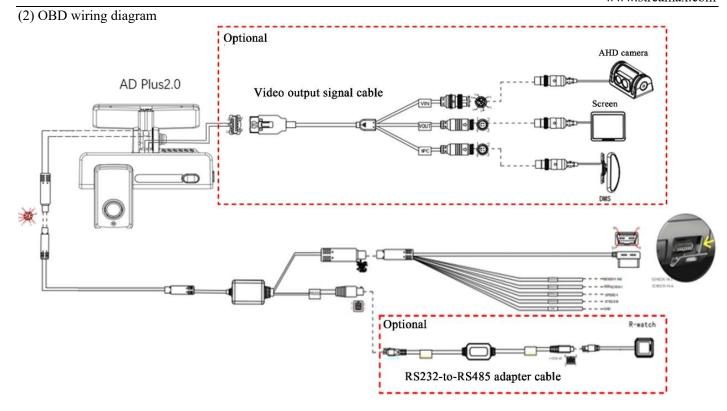
Right view **System Connection Diagram**

Rear view

(1) System connection diagram for power supply through loose wire

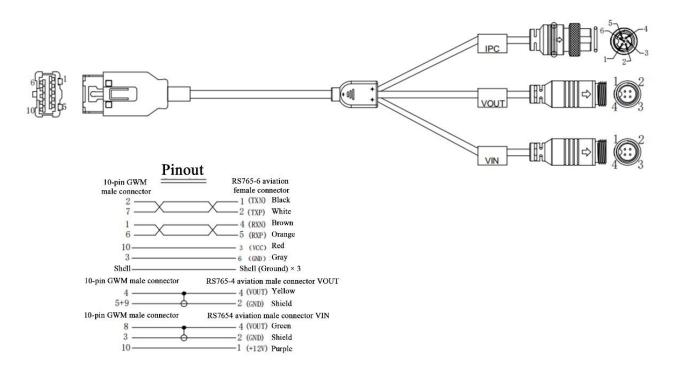






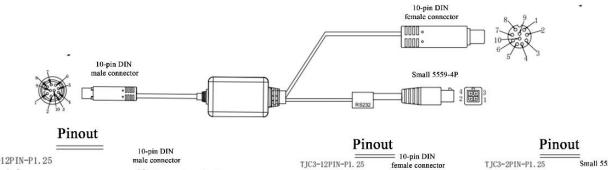
Cable Connector Pinouts

(1) Video output cable connector pinout



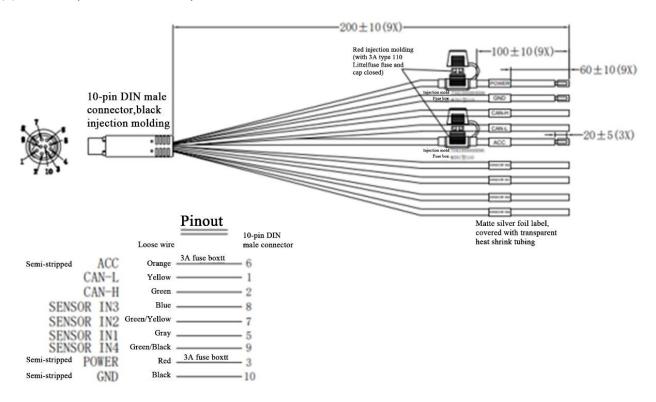


(2) Power supply box connector pinout



10-pin DIN		Pinout	Pine	out
TJC3-12PIN-P1. 25 1+2 3+4 5 6 7 8 9 10 11	male connector 10 DC+ Red + Red/White 9 DC- Black + Black/White 8 TX White 7 RX Brown 6 SIN1 Purple 5 SIN2 Blue 4 3.3V Gray 3 CANH Green 2 CANL Yellow		Red/White 2 TJC3-15PIN-P1. 25 9 6 0 5	Small 5559-4P
12-	——1 ACC Orange			

(3) Power output cable connector pinout





(4) OBD cable connector pinout

