



JANUS CAM

Janus Cam Model ai 4

4G DUAL DASHCAM (LTE CAT 4 /GNSS)



Product description

Physical specification

Dimensions	105mm*86mm*32mm
Weight	240g
Module	
Name	Janus ai
CPU	4 Cores A53
Mains frequency	1.5GHz





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RAM	LPDDR4 1GB
ROM	EMMC 8GB
WIFI	2.4GHz
Technology	LTE Cat 4/GNSS/WIFI
GNSS	
GNSS	GPS, GLONASS, GALILEO, BEIDOU, AGPS, QZSS, SBAS
Receiver	64 channel
TrackingSensitivity	-160 dB
PositionAccuracy	< 2.0 m CEP
VelocityAccuracy	< 0.1 m/s
HotStart	< 1 s
WarmStart	< 4 s
ColdStart	< 28 s
Cellular	
Technology	LTE Cat 4
Data transfer	LTE: Max 100Mbps (DL) / Max 50Mbps (UL)
Data support	SMS (TXT/PDU)
Power	
Input Voltage range	9–36VDC
Power Consumption	At 12V < 10mA (Online Sleep) At 12V < 230mA (Normal) At 12V < 1A (Full load)
Operating environment	
Operating Temperature	-20 °C to +70 °C
Storage Temperature	-40 °C to +85 °C
Operating Humidity	5% to 95% non-condensing
Ingress Protection Rating	IP50
Interface	
Digital Inputs	2
GNSS Antenna	Internal High Gain



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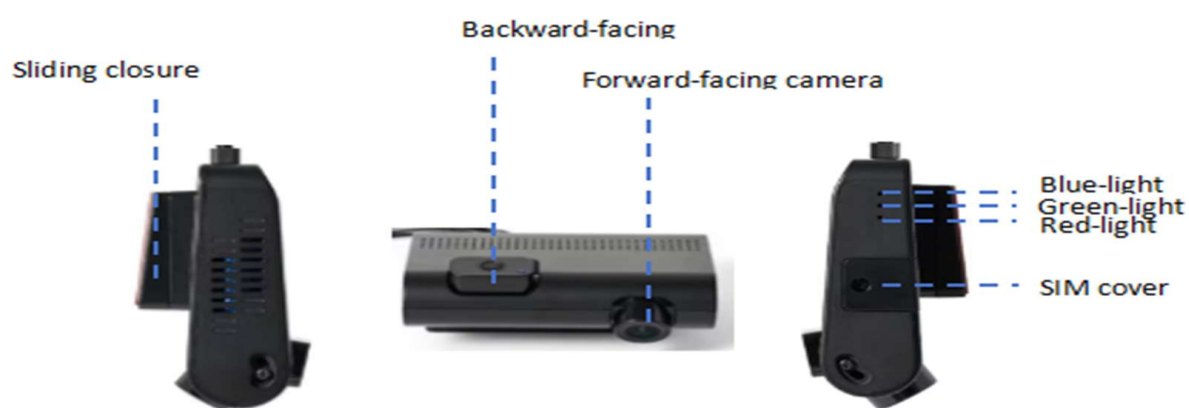
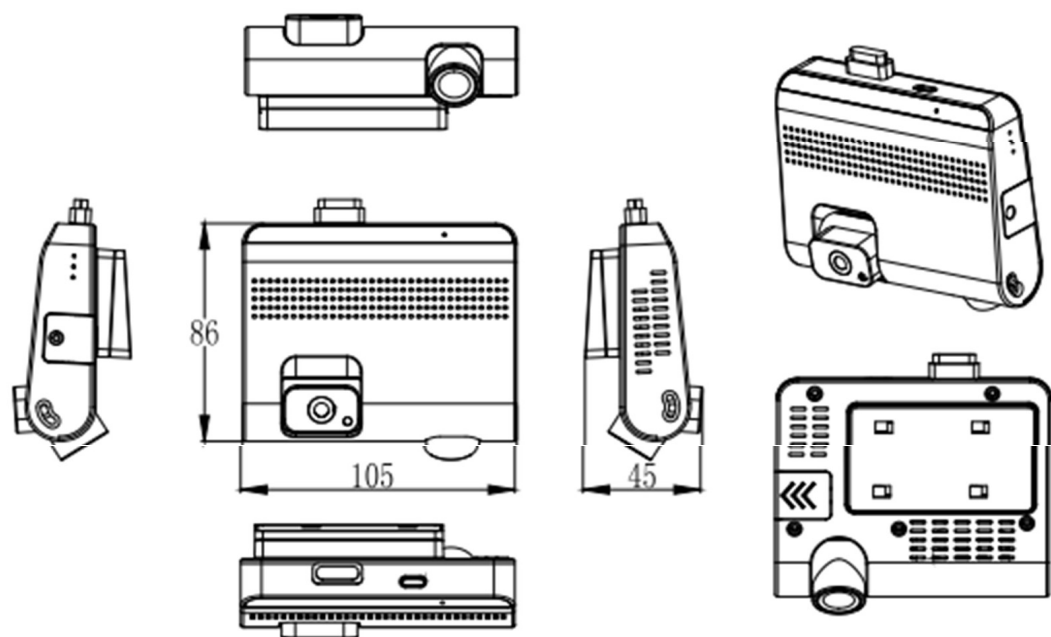
Cellular Antenna	Internal 4G High Gain
WIFI Antenna	Internal High Gain
LED Indication	4 status LED lights
SIM	Micro-SIM

System structure	Android
Chip	SL8541E
Resolution	Forward 1.0MP+ Backward:1.0MP
Sensor Resolution	Forward 1920*1080P backward:1920*1080P
Lens	Forward:3.6MM backward:2.8MM
View angle	Forward:110° D backward:140° D
Pan-til	Forward:50°backward:40°
Video compression standard	H.264 15FPS
Video format	H264
Electronic shutter	Auto
Backlight compensation	Support
Audio In	Mic (G711_A)
Audio Out	speaker
Storage	TF Card (Max 512G)



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4G communication	The device can upload data information, video, driving track, vehicle alarm and so on through the mobile network.
Real-time positioning	GPS&BD dual mode positioning can record vehicle trajectory
Collision alarm	In the process of driving, if there is a vehicle collision, the video will be automatically uploaded to the platform, and the first 10s to 5s video should be pushed to the
Locked video	Locked video for important events
Recording mode	loop video recording
Parking monitoring	G-sensor, support for parking monitoring
Light Sensing	Support
Capture (an image)	Remote Dispatch Capture
Emergency Video Upload	Emergency videos are automatically uploaded to the server.
Time-lapse video saving	ACC off delayed recording 300S
Voice monitoring/intercom	The platform can remotely listen to/intercom with vehicles.
Timing tracking	Returns positioning information such as latitude and longitude at set intervals.
Vehicle power-down alarm	Turn on the backup battery; when the host can not detect the vehicle voltage, it will report the power-down alarm.
Low voltage alarm	Low-voltage alarm reminder when the host detects the vehicle voltage is lower than 10.5V
Overspeed alarm	The platform sets the maximum alarm to remind.
Blind Zone Complementary Transmission	Terminal locates and is not online, online.
Turn Point Supplement	When the direction angle of the video is uploaded to optimize the trajectory.
OTA	Support OTA remote upgrade.
SOS button	One-touch SOS button



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