



Learn more here!

CV200XEU/XNA

Intelligent 4G Dash Camera with Full Featured Telematics



- **LTE Cat 6 with 50Mbps UL/300Mbps DL**
- **Full HD Front Camera**
- **Smart AI –ADAS, DMS**

- **H.264/H.265 Video Compression**
- **Live Streaming Monitoring**
- **Crucial Recording Auto Upload**
- **Multi-language In-Cabin Alerts**
- **Real-time Positioning**
- **Driving Behavior Monitoring**
- **First Notice of Loss (FNOL) Report**
- **Auto Emergency Call**
- **Parking Mode**
- **OTA Control**
- **Battery Over-discharge Protection**
- **BT 4.2 + BLE**
- **Wi-Fi AP & Station Mode**
- **RS232/Digital Input/Digital Output**

The CV200 is Queclink's second generation LTE Cat 6 smart dash camera combining with all-in-one telematics features. It can work alone, or be connected to an additional plug & play second camera to provide in-cabin view or cargo view. The powerful optional ADAS/DMS enhances the security level of fleet management system. The scalable IoT dash camera CV200 also supports wired physical I/Os or BLE to connect various peripherals. It is suitable for applications such as insurance claim negotiations, driver coaching, passenger compartment monitoring and accident reporting.

Automobile Insurance



Car Leasing



Ride Sharing and Ride Hailing



Fleet Management



Appearance



Video/Audio

Image Sensor	2 Megapixel FHD RGB
Lens	DFOV >140°, 6G+IR Cut Filter
Resolution	1920*1080P
Recording Quality	Low/Middle/High adjustable
On-screen Display	Date & time, Vehicle Speed, Coordinates, G-sensor data, Logo Overlay
External Storage	Micro SD, UHS-1 512GB Max. FAT32 file system
Recording Mode	Continuous recording by cycle overwritten
Audio Control	Enable/Disable
Voice Volume	Mute/Low/Medium/High
Video Format	MP4
Image Format	JPG
Microphone	Built-in
Speaker	Built-in

CV200XEU/XNA can connect a secondary camera to meet more diversified application needs such as the monitoring of cargo or cabin view and driver behaviour.

DMS Camera

Monitor the driver states to avoid the dangerous driving behaviors by vision algorithm

Resolution	1280*720p
Lens	6mm, D= 62° H=50° V=32°
Night Vision	B/W,IR Distance: 1 meter 940nm
Video Signal	Analog HD
Cable	Length: 0.57 meters Connector: 4PIN, Plug & Play
Bracket	Integrated With 3M Adhesive Tape & Screw Holes Dashboard



Windshield-Mount DMS Monitoring Camera

Risk driving behaviors monitoring ,like smoking,yawning,calling,distraction, etc.

Resolution	1280*720P
Lens	4 layer glass
Night Vision	1 meter
Video Signal	AHD
IP Rate	No
Cable	Length: 2 meters Connector: BMW Port
Bracket	Metal, windshiled-mount with 3M adhesive tape



Interior Camera

Monitor the cabin or cargo

Resolution	1280*720p
Lens	3mm, D=136° H=110° V=58°
Night Vision	RGB + B/W, IR Distance: 5 meters 940nm
Video Signal	Analog HD
Cable	Length: 0.57 meter Connector: 4PIN, Plug & Play
Bracket	Integrated With 3M Adhesive Tape Windshield Mount



Windshield Rear View Camera

Monitor the rear view

Resolution	1280*720p
Lens	2.8mm, D=131° H=111° V=59°
Night Vision	Full Day Color
Video Signal	Analog HD
Cable	Length: 0.50 meter Connector: BM port
Bracket	Rear Windshiled Mount , With 3M Adhesive Tape



Waterproof Rear View Square Camera

Monitor the rear view

Resolution	1280*720p
Lens	N/A
Night Vision	Full color
Video Signal	AHD
IP Rate	IP69K
Cable	Length: 0.50 meter Connector: aviation port
Bracket	Rear Windshiled Mount ,With 3M Adhesive Tape



Waterproof Cargo View Dome Camera

Monitor the cargo

Resolution	1280*720p
Lens	3.2mm, D=108°H=90° V=48°
Night Vision	10 meters, 850nm
Video Signal	Analog HD
IP Rate	IP65
Cable	Length: 0.57 meter Connector: aviation port
Bracket	Ceiling Mount, With Screws



Configuration and Upgrade Cable



New Debug Cable

It is used for configuration and debugging.

General

Dimensions	120*60 *30 mm (without bracket) 120*60 *70 mm (with bracket)
Weight	280g
Backup Battery	Li-polymer Rechargeable, 470mAh
Operating Voltage	8V~32V DC
Operating Temperature	-2°C ~ +70°C
Storage Temperature	-40°C~ +85°C
Bracket Rotation	Adjustable rotation angles: 0°~ 80°
Mount	3M adhesive tape, windshield installation
Region	CV200XEU: EMEA, LATAM CV200XNA: North America

LTE

Operating Band	CV200XEU: LTE CAT6: LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B20/B28 LTE-TDD: B38/B39/B40/B41 WCDMA: B1/B2/B4/B5/B8
	CV200XNA: LTE CAT6: LTE-FDD: B2/B4/B5/B12/B13/B14/B17/B66 LTE-TDD: B41 WCDMA: B2/B4/B5
Data Transmission	LTE: 50Mbps UL/300Mbps DL

Wi-Fi

Working Mode	AP & Station
Frequency	2.4GHz/5GHz
Standard	IEEE 802.11b/g/n/ac

BLE

Working Mode	BT4.2+BLE
Frequency	2.4GHz

GNSS

Working Mode	AP & Station
Sensitivity	Tracking: -159 dBm Cold start: -148 dBm Warm start: -151 dBm Hot start: -158 dBm
Position Accuracy (CEP)	<3 m
TTFF (Open Sky)	Cold start: 35s average Warm start: 35s average Hot start: 1s average

Interfaces

Connector Interface	Power_IN/A/ACC_IN/GND 1 x RS232 1 x DIN: Negative trigger 1 x DOUT: Open drain 4 PIN connector for 1*additional camera
USB Type-C	Upgrade/Debug/Configuration/Data Transmission
TF Slot	Micro SD
SIM Card	Nano SIM (4FF)
Cellular Antenna	Internal only
GNSS Antenna	Internal only
Wi-Fi Antenna	Internal only
BLE Antenna	Internal only
LED indicator	GNSS/CEL/PWR/REC
IMU	3-axis Accelerometer + 3-axis Gyroscope
Multi-function button	Wi-Fi Switch/Panic Button/SOS Alarm
Reset Button	Support

Function

Network Protocol	TCP, UDP, SMS, FTP, RTMP, HTTP, NTP
File Transmission	Upload videos and pictures to file server by IP network
Live Streaming	Upload videos and pictures to file server by IP network
On-Demand Video	Request video for download and playback
Event-Based Recording	Automatically record the footage while the predefined events are detected or panic button is pressed manually
Emergency Call	Make emergency calls in the event of a serious accident Automatically answer whitelist incoming calls
Smart AI *	ADAS: FCW, HMW, PCW DMS: Eye Close, Yawning, Distraction, Smoking, Phone Use Video Detection: Video Blind Detection, Video Lost Detection
Time Synchronization	NTP/GPS
Smart Storage Assignment	Loop overwrite and assign the recording space as desired
Over-discharge Protection	Cut off the power supply to avoid vehicle battery over-discharge
Parking Mode	Detect an impact and bump during parking
Vehicle Telematics	Live Tracking, Geo/Peo-fence, Speeding, Harsh Driving Behavior, Crash Detection, Total Mileage
Message Buffer Saving	Up to 10,000 Buffer Messages
Hardware Watchdog	Auto recovery once system exception happens
Updating & Configuration	OTA and Local Maintenance

Record

Image Sensor	2 Megapixel FHD RGB
Lens	DFOV >140°, 6G+IR Cut Filter
Resolution	1920*1080P
Recording Quality	Low/Middle/High adjustable
On-screen Display	Date & Time, Vehicle Speed, Coordinates, G-sensor data, Logo Overlay
External Storage	Micro SD, UHS-1 512GB Max. FAT32 file system
Recording Mode	Continuous recording by loop overwrite Event-based: pre-event and post-event recording
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