

K220 is an all-in-one 4G LTE connected digital camera solution. K220 can help fleet managers evolve from tracking only technology to the new video telematics era. Built in with powerful Qualcomm[®] processor and Andorid[™] Platform, it not only provides powerful performance, but also flexibility with a suite of APIs & SDK for system and cloud integration. High speed 4G LTE allows remote live view to ensure operators have full awareness over the whole fleets. K220 also equips dual full HD cameras which provide both forward/ in-cabin non-stop recording while vehicle is on operation. The tamper-resistant and industrial-grade design make the K220 as trusted solution.



Always connected

- Built-in 4G LTE Cat.6 & dual-band WIFI
- · Over-the-Air firmware & setting updates
- Bluetooth® 4.2 BLE



Reliable and flexible platform

- Qualcomm[®] Octa-core & Android[™] 9.0
- Open APIs & SDK for seamless integration with fleet management solutions



Track your fleets in real-time

- · Comprehensive satellite tracking
- 3-axis G-sensor and Gyro support



Get the full picture of your vehicles

- ECU integration to acquire vehicle and engine telematics data *
- All video footage are safely stored both on the SD card and Cloud
- · Enhanced ADAS and DMS function



Affordable Solution

- · Cost-Effective configuration
- Compact design. Simple as is







^{*} Only when equipped with Smart Cable



DETAILED VIEW









INWARD CAMERA

Full HD 1920 x 1080 pixels Wide 142° FOV IR for low light visibility



ALL-IN-ONE CONNECTOR

Connect to vehicle battery Optional ECU integration

CABLE COVER

USB CABLE

For data transfer and external camera connection

EMERGENCY RECORDING BUTTON

Manually press button to protect the clip from being overwritten

WINDSHIELD MOUNTING

Easy to install in minutes



FORWARD CAMERA

Full HD 1920 x 1080 pixels Wide 142° FOV







ACCESSORIES





SPECIFICATION



Memory 2GB RAM / 16GB internal storage	Platform	Qualcomm [®] Snapdragon™ SDM450 Octa core, 1.8GHz
Wireless Interface	os	Android [™] 9.0
	Memory	2GB RAM / 16GB internal storage
Bluetooth® 4.2 BLE GPS, QZSS, GLONASS, Galileo EMEA & Australia • LTE FDD Band 38/39/40/41; • WCDMA Band 1/2/4/4/5/7(8/20/28); • LTE TDD Band 38/39/40/41; • WCDMA Band 1/2/4/5/6; • GSM 850/900/1800/1900/Hz North America • LTE FDD Band 41/2/1/2/13/14/17/25/26/66/71; • LTE FDD Band 41/2 • LTE FDD Band 41/2 • WCDMA Band 2/4/5′ Sensors 3-axis Accelerometer, 3-axis Gyro Camera Forward: FOV: 14.28°, H: 120.4°, V: 63.8° (±5%) Full HD 1920 x 1080 @ 300/ps (configurable) Inward (IR): 142.8°, H: 120.4°, V: 63.8° (±5%) Full HD 1920 x 1080 @ 300/ps (configurable) Physical Interface MicroSD 510 tit (pu to 51266 apacity) NanoSIM slot (SIM 1) and eSIM** (SIM 2) Min USB x1 (supports external cam, USB type) Builtin min x1 Builtin speaker x1 All-in-one Connector 12-32V power input, IGN power on signal input (H active, 7-22V) GPIO Input x 1 (Default)/ GPIO Input x 3 + Output x 1 (Option) Buttons Emergency recording button Emergency recording button Emergency recording button EButtery 5F SuperCAP (approx. 12 secs backup power supply for video clips saving) Power Consumption Full run mode: 4-6W (12V/ 380 mA) Parking mode: 4-8mW (12V/ 4 mA) Boot Up Time Cold boot: 30s; Resume from parking mode and start recording: 2s Parking Mode With impact detection Environment -20° to +40°C (-40° to +140°F) operating temperature -20° to +40°C (-40° to +140°F) operating temperature -20° to +60°C (-40° to +140°F) operating temperature Certification* Varranty 12 months (extended warranty available) Warranty * Fleet connected camera * Quick start guide * Windshield mounting kit	Expansion	MicroSD slot (up to 512GB support)
GPS, QZSS, GLONASS, Galileo	Wireless Interface	IEEE 802.11 a/b/g/n/ac (2.4GHz & 5GHz)
EMEA & Australia		Bluetooth® 4.2 BLE
LTE FDD Band 1/2/3/4/5/T/8/20/28; LTE TDD Band 38/39/40/41; WCDMA Band 1/2/4/5/8; GSM 850/900/1800MHz North America		GPS, QZSS, GLONASS, Galileo
LTE FDD Band 1/2/3/4/5/T/8/20/28; LTE TDD Band 38/39/40/41; WCDMA Band 1/2/4/5/8; GSM 850/900/1800MHz North America		EMEA & Australia
LTE TDD Band 38/39/40/41; WCDMA Band 1/24/5/8; GSM 850/900/1800/1900MHz North America		
■ WCDMA Band 1/2/4/5/8; ■ GSM 850/900/1800/1900MHz North America ■ LTE FDD Band 2/4/5/71/2/13/14/17/25/28/66/71; ■ LTE FDD Band 2/4/5" ■ LTE FDD Band 2/4/5" Sensors 3-axis Accelerometer, 3-axis Gyro Forward: FOV: 142.8", H: 120.4", V: 63.8" (±5%) Full HD 1920 x 1080 @ 30fps (configurable) Inward (IR): 142.8", H: 120.4", V: 63.8" (±5%) Full HD 1920 x 1080 @ 30fps (configurable) Inward (IR): 142.8", H: 120.4", V: 63.8" (±5%) Full HD 1920 x 1080 @ 30fps (configurable) Physical Interface MicroSD slot (up to 512GB capacity) NanoSIM slot (SIM 1) and eSIM** (SIM 2) Mini USB x1 (supports external cam, USB type) Bullt-in mic x1 Bull-in speaker x1 All-in-one Connector 12~32V power input, IGN power on signal input (H active, 7~32V) GPIO Input x 1 (Defaulti) GPIO Input x 3 + Output x 1 (Option) Buttons Emergency recording button LED Indicators Recording, WiFi/LTE active Battery 5F SuperCAP (approx.12 secs backup power supply for video clips saving) Power Consumption Full run mode: 48mW (12V/4 mA) Boot Up Time Cold boot: 30s; Resume from parking mode and start recording: 2s Parking Mode With impact detection Environment -20° to +60° C (-40° to +140°F) operating temperature -20° to +70° C (-40° to +155°F) operating temperature -20° to +70° C (-40° to +155°F) operating temperature -20° to +70° C (-40° to +155°F) operating temperature -20° to +70° C (-40° to +140°F) operating temperature -20° to +70° C (-40° to +140°F) operating temperature -20° to +70° C (-40° to +155°F) operating temperature -20° to +70° C (-40° to +155°F) operating temperature -20° to +70° C (-40° to +155°F) operating temperature -20° to +70° C (-40° to +140°F) operating temperature -20° to +70° C (-40° to +140°F) operating temperature -20° to +70° C (-40° to +140°F) operating temperature -20° to +70° C (-40° to +140°F) operating temperature -20° to +40° C (-40° to +140°F) operating temp		,
North America		
North America		·
LTE FDD Band 2/4/57/12/13/14/17/25/26/66/71; LTE TDD Band 41; WCDMA Band 2/4/5" Sensors		
Sensors 3-axis Accelerometer, 3-axis Gyro		North America
■ WCDMA Band 2/4/5" Sensors 3-axis Accelerometer, 3-axis Gyro		• LTE FDD Band 2/4/5/7/12/13/14/17/25/26/66/71;
Sensors 3-axis Accelerometer, 3-axis Gyro Camera Forward: FOV: 142.8°, H: 120.4°, V: 63.8° (±5%) Full HD 1920 x 1080 @ 30fps (configurable) Inward (IR): 142.8°, H: 120.4°, V: 63.8° (±5%) Full HD 1920 x 1080 @ 30fps (configurable) Physical Interface MicroSD slot (up to 512GB capacity) NanoSIM slot (SIM 1) and eSIM** (SIM 2) Mini USB x1 (supports external cam, USB type) Built-in mic x1 Built-in speaker x1 All-in-one Connector 12-32V power input, IGN power on signal input (H active, 7-32V) GPIO Input x 1 (Defaulty) GPIO Input x 3 + Output x 1 (Option) Buttons Emergency recording button LED Indicators Recording, WiFI/LTE active Battery 5 F Super CAP (approx. 12 secs backup power supply for video clips saving) Power Consumption Full run mode: 4.6W (12V/ 380 mA) Parking Mode With impact detection Environment -20° to +60°C (-40° to +140°F) operating temperature -20° to +60°C (-40° to +185°F) operating temperature -20° to +60°C (-40° to +158°F) operating temperature Certification* CE, CB, FCC/IC, UKCA, BQB, PTCRB, WEEE, ROHS, AT&T Network Ready, AWS, BIS Warranty 12 months (extended warranty available) Weight 205g Dimensions * Fleet connected camera * Quick start guide * Windshield mounting kit		LTE TDD Band 41;
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	Box contents* • Fleet connected camera • Quick start quide • Windshield mounting kit	
Standard with OBD power cable Cable cover	DOX CONTENTS	
		Standard with OBD power cable Cable cover