



MiTAC K165 Smart Telematics Instruction Manual

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Extraordinary, Versatile, Outstanding
K165 K265









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K165 Smart Telematics

Mite K165/265 is one of the most advanced all-in-one connected digital camera solution. K165/265 can help fleet managers evolve from tracking only technology to the new video telematics era. Built in with powerful Qualcomm® QCS610 processor enhances the AI computing power. The Android Platform simplified both system and cloud integration. High speed 4G LTE allows remote live view to ensure operators have full awareness over the whole fleets. The dual SD card design avoids any slow card status occurred. The K165/265 is the ultimate connected digital recorder for those who need the ultimate demand.

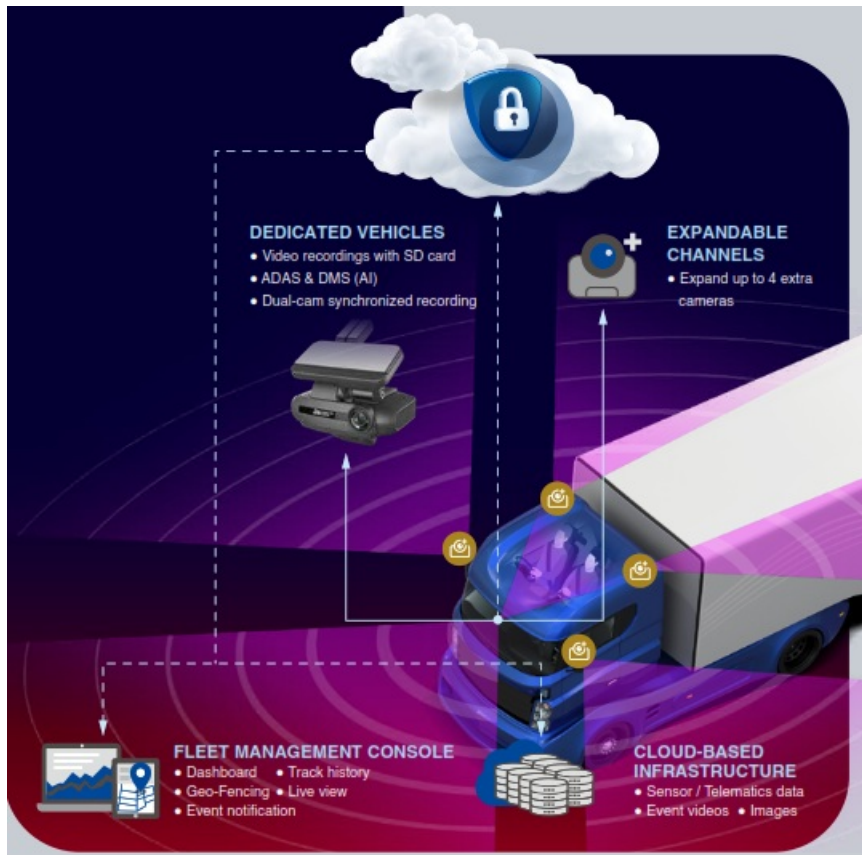
	<p>Always connected</p> <ul style="list-style-type: none"> ● Built-in 4G LTE Cat.6 & dual-band WIFI ● Over-the-Air firmware & setting updates ● Bluetooth® 5.0 BLE, NFC / HF RFID 		<p>Track your fleets in real-time</p> <ul style="list-style-type: none"> ● Comprehensive satellite tracking ● Automotive dead reckoning (ADR) for precise positioning even in adverse conditions (optional) ● 3-axis G-sensor and Gyro support
	<p>Reliable and flexible platform</p> <ul style="list-style-type: none"> ● Qualcomm® Octa-core & Android™ 10 ● Open APIs & SDK for seamless integration with fleet management solutions 		<p>Get the full picture of your vehicles</p> <ul style="list-style-type: none"> ● ECU integration to acquire vehicle and engine telematics data * ● All video footage are safely stored both on the SD card and Cloud ● Embed powerful AI
	<p>Dual SD card slots</p> <ul style="list-style-type: none"> ● Options for dual SD card recording under multi-channel operation scenario 		<p>Expandable channels</p> <ul style="list-style-type: none"> ● Expand up to 4 extra cameras

* Interface only

DETAILED VIEW



OPERATIONAL SCENARIO



ACCESSORIES

<p>OBD POWER CABLE</p> <p>Standard accessory PN: 422N70200008</p>	<p>ENTRY CABLE</p> <p>Sold separately PN: 422N70200005</p>	<p>PREMIUM CABLE</p> <p>Y Cable with OBD II dongle and GPIO connector</p> <p>Sold separately</p>	<p>CABLE CAP</p> <p>Cable cap to tidy up cabling to and from the device</p> <p>Sold separately</p>	<p>EXTERNAL CAMERA</p> <p>Optional camera connected via USB type C connector</p> <ul style="list-style-type: none"> • A50 rear camera • i15/ i25 DMS/ in-cabin camera <p>Sold separately</p>	<p>WATERPROOF CAMERA</p> <p>Optional side camera connected via Mini USB</p> <p>Sold separately PN: 531610000130</p>
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SPECIFICATION



Platform	Qualcomm® QCS610 Octa Core CPU, 2+6 Kryo, 2.2GHz/ 1.8GHz
OS	Android™ 10 (non GMS)
Memory	3GB RAM/ 32GB Internal Storage

Storage	Dual Micro SD Slots (Support up to 512 GB/ slot)		
Wireless Interface	IEEE 802.11 a/ b/ g/ n/ ac (2.4 GHz & 5 GHz)		
	Bluetooth® 5.0 BLE		
	Non ADR: Qualcomm® Internal GPS/ ADR: U-Blox NEO-M8L		
	LTE Cat. 4		
	EMEA, Russia, South Africa FDD Band 1/3/7/8/20/28 TDD Band 38/40/41 WCDMA Band 1/8 GSM Band 3/8	North America (transit in Mexico) FDD Band 2/4/5/12/13/14/66/71	ANZ, Latin America, Taiwan FDD Band 1/2/3/4/5/7/8 TDD Band 40 WCDMA Band 1/2/4/5/8 GSM Band 2/3/5/8 WCDMA Band 2/4/5
NFC	NFC: MiFare®, FeliCa RFID (HF): ISO14443A&B, ISO15693		
Sensors	3-axis Accelerometer, 3-axis Gyro, Thermal Sensor		
Camera	Forward: FOV: D 142.8°/ H 120.4°/ V 63.8° (±5%) Full HD 1920 x 1080 @ 30 fps (configurable)		Forward: FOV: D 142.8°/ H 120.4°/ V 63.8° (±5%) Full HD 1920 x 1080 @ 30 fps (configurable)
			Inward (IR): FOV: D 142.8°/ H 120.4°/ V 63.8° (*5%) Full HD 1920 x 1080 @ 30 fps (configurable)
Expandible Cameras	TVI x 4, USB x 1		
Physical Interface	Dual Micro SD Slots (Support up to 512 GB/slot)		
	Nano SIM Slot (SIM 1) and eSIM— (SIM 2)		
	Mini USB x 1 (for Ext. Cameras), USB Type C x 1 (for de-bug)		
	Build-in microphone x 2		
	Build-in Speaker x 1		
All-in Chet Connector	7-36V power input, IGN power on signal input (H active, 9-32V)		
	GPIO x 4: 1 OUT/ 3 IN (polling mode)		
	OBD II/ J1939: Smart Cable accessory support multi CAN channels		
	Vehicle Signal: Speed Pulse, Reverse Signal Input		
	RS232: TX/ RX/ CTS/ RTS		
Buttons	Emergency recording button		
LED Indicators	Recording, WiFi and LTE		
Battery	10F Supercap (Approx. 18s backup power supply for video clip strafing)		

Power Consumption	Full Run Mode: 5.1W (12V/ 425 mA)	Full Run Mode: 5.75W (12V/ 480 mA)
Boot Up Time	Cold boot : 25s; Resume recording from parking mode: 2s	
Parking Mode	With Impact Detection	
Environmental Index	IP40	
	-20° to +70°C (-4° to +158°F) Operating Temperature	
	-30° to +85°C (-22° to +185°F) Storage Temperature	
Certification	CE, CB, FCC/IC, UKCA, RCM, BQB, PTCRB, AT&T, Verizon, WEEE, ROHS	
Warranty	12 months (extended warranty available)	
Weight	300g (10.58oz)	340g (12oz)
Dimension	124 x 88.6 x 72mm (4.88 x 3.48 x 2.8")	124 x 88.6 x 101mm (4.88 x 3.48 x 3.97")

Box contents


- Fleet connected camera
- Quick start guide
- Windshield mounting kit
- Main cable (Type I for power & data / Type II for power)
- Hex Tool Kit
- Tamper Proof Cover



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All specifications are subject to change without prior notice.

Documents / Resources

	<p>MITAC K165 Smart Telematics [pdf] Instruction Manual K165, K265, K165 Smart Telematics, Smart Telematics, Telematics</p>
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