

ABAX VISION AI DATASHEET



K145



K245

SPECIFICATIONS

Platform	Qualcomm® Snapdragon™ SDM450 Octa core, 1.8GHz	
OS	Android™ 9.0	
Memory	2GB RAM / 16GB internal storage	
Expansion	MicroSD slot (up to 256GB support)	
Wireless Interface	IEEE 802.11 a/b/g/n/ac (2.4GHz & 5GHz)	
	Bluetooth® 4.2 BLE	
	GPS, QZSS, GLONASS, Galileo (supports ADR)	
	LTE Cat.6 (3G/2G fallback*)	
	EMEA LTE FDD Band 1/2/3/4/5/7/8/20/28; LTE TDD Band 38/39/40/41; WCDMA Band 1/2/4/5/8; GSM 850/900/1800/1900MHz	
NFC	NFC: MiFare®, FeliCa RFID (HF): ISO14443A&B, ISO15693	
Sensors	3-axis Accelerometer, 3-axis Gyro, Thermal Sensor	
Camera	Outward: FOV: D: 142° / H: 116° / V: 60° (±5%) Full HD 1920 x 1080 @ 30fps (configurable)	Outward: FOV: D: 142° / H: 116° / V: 60° (±5%) Full HD 1920 x 1080 @ 30fps (configurable)
	-	Inward (IR): FOV: D: 142° / H: 116° / V: 60° (±5%) Full HD 1920 x 1080 @ 30fps (configurable)
Physical Interface	MicroSD slot (up to 256GB capacity)	
	NanoSIM slot (SIM 1) and eSIM** (SIM 2)	
	Mini USB x1 (supports 3rd cam, USB type)	
	Built-in mic x2	
	Built-in speaker x1	
All-in-one Connector	12~32V power input, IGN power on signal input (H active, 7~32V)	
	GPIO x4: 1 out / 3 in (polling mode)	
	ECU connection**: SAE J1962 / SAE J1939***	
	Vehicle signal: speed pulse, reverse signal input	
	RS232 (Tx/Rx)	
Buttons	Emergency recording button for driver to manually trigger 60s recording (5 ~ 30s before and 5 ~ 30s after, adjustable)	
LED Indicators	Recording, WIFI/LTE active	
Battery	10F SuperCAP (approx. 18s backup power supply for video clips saving)	
Power Consumption	Full run mode: 5W (12V/420mA)	
	Parking mode: 50mW (12V/4.2mA)	
Boot Up Time	Cold boot : 45s; Resume from parking mode and start recording: 2s	
Parking Mode	With impact detection	
Environment	IP41	
	-20° to +60°C (-4° to +140°F) operating temperature	
	-30° to +85°C (-22° to +185°F) storage temperature	
Certification	CE/CB, FCC/IC, RCM, BQB, ROHS, WEEE	
Warranty	Lifetime warranty	
Weight	138g (4.9oz)	158g (5.6oz)
Dimensions	98 x 61.2 x 39.2mm (3.86 x 2.41 x 1.54")	122.8 x 61.2 x 44.2mm (4.83 x 2.41 x 1.74")

* Region Dependent ** Optional *** Interface only