

DUAL DASH CAMERA X1

The Rapidise RISE X1 Dual Dashcam is an AI-powered video intelligence platform built for advanced fleet safety and connected mobility solutions. Leveraging the RISE X1 architecture, it combines dual 2MP cameras with LTE, Wi-Fi, BLE, and GNSS connectivity to deliver real-time video streaming, precise tracking, and seamless cloud integration. Integrated AI capabilities enable advanced ADAS and DMS features such as lane departure alerts, forward collision warnings, driver fatigue detection, and distraction monitoring, helping organizations proactively enhance road safety and operational visibility.



FEATURES



Event Based
Video Locking



G-sensor Based
Incident Detection



In-Cabin
Audio Alerts



Forward
Collision Warning



Lane
Departure Warning



Camera Blocker
& Tamper Detection

Technical Specification

SOC	QCS5430	SNR1	≤ 0.20 lux
DDR	4GB LPDDR5	Lens Filter	IR Cut Filter: T ≤ 0.5 at 650 nm
eMMC	128GB	Lens Coatings	Anti-Reflective (AR) / Scratch Resistance (SR)
Android	Android 13.0	Working Distance	Vehicle can be seen at ≥ 15 m
PMIC	Per SOC requirements	Resolution	2MP (1920x1080)
Power Source	USB: 5 V ± 5%	Frame Rate	≥ 30FPS
Max Operating Power	≤ 6 W	CFA	RGB-IR
Max Peak Operating Power	≤ 10 W	HDR Sensor	2 exp sHDR: ≥ 85db
Sleep Power Draw	≤ 25 mW	Interface	MIPI CSI-2
Backup Power Source	Lithium-Ion Battery	HFOV	≥ 140°
Speed	USB 2.0 HS	VFOV	having higher vertical FOV
Cable Length	4 m	IR Corrected Lens	Yes
Interface	Cable - receive data from OBD2 port or direct wiring	Lens Filter	Dual Band IR Filter: T ≥ 0.9 at 940 nm
Speed	1 Mbit/s	Lens Coatings	Anti-Reflective (AR) / Scratch Resistance (SR)
Number Microphones	1	Environmental	IP5x (Dust)
Microphone SNR	≥ 60 dBA	Operating Range	-40 C to 85 C Ambient
Microphone AOP	≥ 120 dB	WiFi	Wi-Fi: 802.11 b/g/n/ac 1x1 w/ hotspot
Number of Speakers	1	Bluetooth	BT 5.2 and NFC
Speaker Output	≥ 100 dB @ 0.1 m	LTE	LTE 4G, MFF2 SIM chip or 4FF Nano SIM.
Speaker Amplifier	As required for speaker	GPS	Multi-Constellation GNSS, IRNSS
IMU Sensor	6-Axis Accelerometer + Gyroscope	Battery	For super capacitor 30-60 sec of backup after switchoff.
LED	RGB LED, externally visible	RGBW	If possible, RGBW sensor for better sensitivity
Resolution	4MP (2560 x 1440)	SIM	Yes
Frame Rate	≥ 30 FPS	External Cam	IP69K rated external cameras with memory and WiFi
CFA	RGB	Additional Storage	Dash camera having 64/128GB storage, SD card slot
HDR	2 exp sHDR: ≥ 85 dB	Display	LCD/LED panel for interaction with driver.
Interface	MIPI CSI-2	DMS	DMS accessory camera (must have for buses)
HFOV	≥ 150°		

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