

## Mobile360 Solutions

### VIA Mobile360 D800

Powerful and feature-rich AI dash cam for commercial-grade fleet management applications

#### Features

- High-performance MediaTek Genio 520 Octa-Core SoC for Edge AI with advanced LLM functionality
- Advanced 4K multimedia and dual full HD display support
- Rich I/O Interfaces
- 4G, Wi-Fi, and GPS wireless connectivity



#### Specifications

Model Name	Mobile360 D800
Processor	MTK Genio 520 Octa-core Processor <ul style="list-style-type: none"><li>• 2x Cortex-A78</li><li>• 6x Cortex-A55</li></ul>
System Memory	8GB DRAM
Flash	UFS 64GB Flash Memory
Graphics	ARM Mali G57 MC2 <ul style="list-style-type: none"><li>• OpenCL up to 2.2</li><li>• OpenGL ES 1.1, 2.0 and 3.2</li><li>• Vulkan 1.0 and 1.1</li></ul>
Video	Decoder: 4K@60fps H.264/265 Encoder: 4K@30fps H.264/265
AI Performance	MTK® NPU 850 with AI Accelerator
PMIC/Audio	MTK MT6365/MT6319
Main Camera	Resolution: 1920x1080p FOV: H 132° V 70°
Sub Camera 1	Resolution: 1920x1080p FOV: H 135° V 75° AHD (30fps) Peak wave length 940nm IR LED (it must be bright enough to take pictures of the inside of the car at night)
Sub Camera 2 (Optional)	Resolution: 1920x1080p FOV: H 135° V 75° AHD (30fps)
Rear Camera (Optional)	Resolution: 1920x1080p FOV: H 135° V 75° AHD (30fps)
I/O interface	1 Full size SD card 1 Nano SIM 1 Power cable connector 1 GPIO cable connector <ul style="list-style-type: none"><li>• Speed Pulse, Left blinker, Right blinker, Brake, Reverse, SOS, 5V_OUT</li><li>• GPIO input threshold: 0~2V: LOW, 4V~: HIGH at -10~ 70°C</li></ul> 1 Sub camera connector 1 Rear camera connector 1 Micro USB for debug console 2 USB-C (1 for external device connection (DP Alt Mode), 1 for ADB/fastboot)
Display	2" LCD panel (DSIO [MIPI interface] - 2 lane)
Connectivity	• WiFi/BT: WiFi 6 1x1/BT 5.3 • LTE (4G Cat4): band1, 3, 11, 18, 19, 21, 26, 28 for Docomo and au
GPS	GPS / Glonass / QZSS / Galileo / beidou

Accelerometer	Sample rate: 100Hz~, Resolution 1/256 g
Gyro Sensor	Sample rate: 100Hz~
Speaker	Sampling up to 44.1kHz16bit, 1W
MIC	Sampling up to 44.1kHz16bit (Sensitivity Range: -42dB~-24dB)
RTC	Remains RTC timer at least 2 weeks after power core was removed
Button	6 buttons (Up, Down, Enter, REC, MIC, Factory Reset)
LED Indicator	2 (Green, Red)
MCU	Integrated MCU to support the functions of Watch Dog and RTC
Power Supply	Input: 9~36V Output: 5VDC +/-5% 3A (Dark current: Less than 1mA) Power Off threshold at suspend mode: • 12V battery: 11.8V power off • 24V battery: 23.6V power off
Operating Software	Yocto 5.0 / Android 15
Operating System	-10~ 70°C
Operating Humidity	0% ~ 95% (relative humidity ; non-condensing)
Dimensions	83mm (W)*64.7mm (H)*36.5mm (D)
Compliance	TELEC/JATE



Front I/O



Rear I/O



Left I/O



Right I/O



Sub Cameras (Optional)

