



V66

Octa-Core Processor of Smart Rearview Mirror

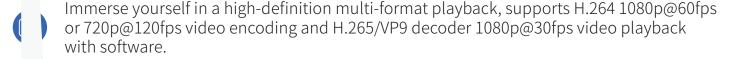
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- T Allwinner V66 is an octa-core ARM Cortex™-A7 processor targeted at the smart rearview mirror
- m ket. Supports two independent video channels, which assures the front-facing camera up to
- 2: 4*1296P@30fps and the rear camera up to 720P@30fps work at the same time.

F ghlights



Supports the multiple DRAM types as well as the dynamic frequency adjustment, a variety of automotive application scenario bandwidth and power consumption requirements.



Supports the multiple output interface, according to satisfy the display demand of





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C	 Octa-Core Cortex[™]-A7 CPU up to 2.0GHz Low-power CoolFlex[™] power management architecture 	
G PU	to 700MHz	
N en		

Display	 Support two independent display channels Support RGB (24bits) up to 1920x1200@ 60Hz resolution Support RGB666/656 ditcher function Support LVDS up to 1366x768@ 60Hz resolution Support 4-lane MIPI DSI (V1.0) up to 1920x1200@ 60Hz resolution Support HDMI V1.4 output with HDCP1.2 up to 1920x1080@ 60Hz resolution 	
Camera	 Integrated 5MP parallel CMOS sensor Integrated 8MP MIPI CSI controller Integrated 8MISP Support 720P 30fps USB camera UVC 	
Audio	 Supports 24bit/192KHz audio playback Supports two I2S/PCMinterfaces up to 384KHz sample rate, and 16 channel TDM with 32bit sample resolution Supports DSD interface with 2 channels, 64/128/256-bit sample mode Supports DMIC interface with 8 channels, maximum 48KHz sample rate Supports SPDIF OUT and IN interface 	
Wi-Fi	Supports 802.11 b/g/n protocol Full security support: WPS, WPA, WPA2, WEP, TKIP	
PMIC	• Customized AXP818 PMIC	
Package	• FCBGA 345 • 14mm x 14mm size	

Block Diagram

