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# RK340

4K Android Solution

Android 5.1 or Android 7.1

CPU: Rockchip RK3288 Quad-Core Cortex-A17



Product Specification	
Model Number	RK340
Product Compatibility	For All projectors/ TV/ Monitor Application
Specification	
CPU (SoC)	<b>RK3288</b> ARM Quad-Core Cortex-A17 1.6GHz
GPU	Mali764 Quad-Core
OS Operating system	<b>Android 5.1 or Android 7.1</b>
RAM	DDR3-2G
Storage	Internal: 8GB eMMC Flash External: Support Micro SD , Up to 32GB
Language	Default: English ; Multi-Language support
Network	
WiFi	802.11 b/g/n
Ethernet	RJ45 10/100M/1000M Giga Ethernet
Interface	
Display Output	HDMI x 1 /HDMI 2.0 Interface
USB Input	External USB x 2 (OTG x1) , Internal USB x1
Card Reader	SD Card Slot x 1
Power Input	Power Jack (5V/ 2A)
Network	Giga Ethernet RJ45 LAN Port x 1



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LED Indicator	White
Media Parameter	
Video Decoder	<p>Real-time video decoder of MPEG-1, MPEG-2, MPEG-4, H.263, H.264, AVS, VC-1, RV, VP6/VP8, Sorenson Spark, MVC</p> <p>Error detection and concealment support for all video formats</p> <p>Output data format is YUV420 semi-planar, and YUV400 (monochrome) is also supported for H.264</p> <p>H.264 up to HP level 5.2 : 2160p@24fps (3840x2160)</p> <p>MPEG-4 up to ASP level 5 : 1080p@60fps (1920x1088)</p> <p>MPEG-2 up to MP : 2160p@24fps (3840x2160)</p> <p>MPEG-1 up to MP : 1080p@60fps (1920x1088)</p> <p>H.263 : 576p@60fps(720x576)</p> <p>Sorenson Spark : 1080p@60fps (1920x1088)</p> <p>VC-1 up to AP level 3 : 1080p@30fps (1920x1088)</p> <p>RV8/RV9/RV10 : 1080p@60fps (1920x1088)</p> <p>VP6/VP8 : 2160p@24fps (3840x2160)</p> <p>AVS : 1080p@60fps (1920x1088)</p> <p>MVC : 2160p@24fps (3840x2160)</p> <p>For VC-1, up scaling and range mapping are supported in image post-processor</p> <p>For MPEG-4 SP/H.263/Sorenson spark, using a modified H.264 in-loop filter to implement deblocking filter in post-processor unit</p>
JPEG Decoder	<p>Input JPEG file : YCbCr 4:0:0, 4:2:0, 4:2:2, 4:4:0, 4:1:1 and 4:4:4 sampling formats</p> <p>Output raw image : YCbCr 4:0:0, 4:2:0, 4:2:2, 4:4:0, 4:1:1 and 4:4:4 semi-planar</p> <p>Decoder size is from 48x48 to 8176x8176(66.8Mpixels)</p> <p>Maximum data rate is up to 76million pixels per second</p>
Resolution	4K2K / Full HD 1080P
Image browser	JPEG, BMP, PNG
Touch Panel Driver	Support Zytronic /EETI / ET&T
Others	
Operating Temperature	0 ~ 40°C
Storage Temperature	-20°C ~ 50°C
Humidity environment	5% ~ 90% (No condensation)
Power Supply (AC Adapter)	100 ~ 240 V AC, 50/60 Hz, DC output: 5V/ 2A
PCBA Dimension	11.5 cm x 9.5 cm