

DNS-VP002 Specifications



Overview

- DNS-VP002 is designed with RK3566/RK3568(Quad [Cortex-A55@1.8Ghz](#)), and latest generation ARM Mali-G52 GPU
- Supports H.265(HEVC)4K decoding and 4K output. Supports full format HD video decoding, LCD interface, Ethernet, HDMI2.0, Wi-Fi, Bluetooth
- Support standard USB 3.0 and OTG USB communications.
- Supports auto-play on power up, loop back, track select and other functions as specified by end user.
- Can auto-update firmware via USB or SD Card

Basic Features

- High tech 6-layer board design, integrates USB/LVDS/Ethernet/HDMI/Wi-Fi/Bluetooth. Data memory options includes: MicroSD/EMMC/NAND FLASH
- Supports HDMI2.0 output 3840x2160@60hz
- Supports CEC over HDMI
- Internal Mini PCI-E module supports Huawei, ZTE and other 3G chip vendors for high-speed data communications
- 4 USB connectors (3 USB 2.0, 1 USB 3.0)
- 3 UART serial communication interface
- 4 GPIO ports to facilitate system expansion
- High reliability: all ports incorporate ESD protection Supports a large variety of capacitive/IR touch screen
- Supports standard 3.5mm headphone
- DC12V Power jack
- Highly reliable Ethernet LAN ports, ideal for complex designs Supports camera video output

<i>Hardware Specifications</i>	
CPU/GPU	RK3566 ARM Cortex-A55/Mali G52
RAM	DDR4 2GB
InternalMemory	EMMC 8GB (MAX. 32GB)
Resolution	HDMI2.0 up to 4K/60Hz

<i>Software Specifications</i>	
OS	Android11.0
Operation	Play through, loop back, track select
Networking	Ethernet, Wi-Fi
Decoder	Includes 4K HEVC supported
Image Support	Includes BMP, JPEG, PNG, GIF
USB Ports	4(3*USB 2.0, 1*USB 3.0)
Serial Ports	3*UART
Ethernet	10/100M
SD Card	TF/Micro SD
Audio Output	Stereo AUX 3.5mm 3W*2
RTC Clock	High Precision RTC
Play Function	Auto-start, loop back, volume control, track select, etc.
HDMI Output	HDMI 2.0*1
Firmware Update	USB Update