



DigiJupiter

DJP-E960

(2*HD Out +HD In with PoE)

C O T E N T S

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Revision history

Revision	Revision date	Principle changes
V2.0	Dec. 2024	Create version V2.0

1 Overview

1.1 Introduction

Digi-Jupiter networked multimedia player **DJP-E960** employs the **Rockchip RK3588** Quad-core Cortex-A76 2.2GHz and Quad core ARMCortex-A55 1.8GHz, having a strongest capacity of multimedia processing and rich peripheral interfaces. Besides, this player is able to run **8K@60Hz** files , supports **PoE** feature(Power over Ethernet) and **HD IN**

1.2 Features

- HD*2 interfaces are provided for access of various displays with a resolution up 8K@60Hz
- Supports LAN, WIFI , as well as standalone mode
- Both vertical and horizontal displays are supported
- High performance 8K OTT box solution
- Supports Optional PoE feature(Power over Ethernet)
- Supports 2*HD output and 1*HD Input
- Support Type C and Optical port

New generation of octa-core flagship processor

8nm RK3588 chip, ARM Mali-G610 GPU, and 6TOPs AI NPU for exceptional performance in AI applications.



4 core 64 bit + **4 core 64 bit**
CORTEX-A76 CORTEX-A55

MALI-G610 MC4
Graphics processor

2.4GHZ
main frequency

8NM
Process technology

**Overall performance
improvement**

2 Profile





3 Specification

CPU	Rockchip RK3588 Quad-Core Cortex-A76 2.2 GHz and Quad core ARMCortex-A551.8GHz	
GPU	ARM Mali-G610 MP4	
NPU	6TOPS,triple core, support int4/int8/int16/FP16/BF16/TF32 acceleration	
RAM	LPDDR4 4GB/8GB	
Storage	32GB-64GB-256 GB EMMC	
WIFI	802.11b/g/n/ac/ax(Wi-Fi6),Dual Band 2.4+5GHz,2T2R	
Bluetooth	Bluetooth 5.0 with LE technology	
Remote Control	IR Remote	
I/O	HD Out	2*HD up to 8K@60Hz Supports CEC (Consumer Electronic Control)
	HD IN	1*HD
	USB	2*USB 3.0 & 2*USB 2.0 & 1*TYPE-C
	Antenna	2*external Wi-Fi antennas
	Optical Output	1*SPDIF
	Composite Audio	Headphone jack output and Optical output
	Extended Storage	1*TF Card
	Network	1* RJ45 1000M Ethernet
Power	12V 2A power adaptor	
Audio Out	Support	
Power over Ethernet(PoE)	Optional	
Media Parameter		
OS	Android 13	
Video Decoding	Real-time video decoder of MPEG-1, MPEG-2, MPEG-4, H.263, H.264, H.265, VC-1, VP9, VP8, MVC, AV1	
	MMU Embedded	
	Multi-channel decoder in parallel for less resolution	
	H.264 AVC/MVC Main10 L6.0 : 8K@30fps (7680x4320)	
	VP9 Profile0/2 L6.1 : 8K@60fps (7680x4320)	
	H.265 HEVC/MVC Main10 L6.1 : 8K@60fps (7680x4320)	
	AVS2 Profile0/2 L10.2.6 : 8K@60fps (7680x4320)	
	AV1 Main Profile 8/10bit L5.3 : 4K@60fps (3840x2160)	
	MPEG-2 up to MP : 1080p@60fps (1920x1088)	
	MPEG-1 up to MP : 1080p@60fps (1920x1088)	

Video encoders	VC-1 up to AP level 3 : 1080p@60fps (1920x1088)
	VP8 version2 : 1080p@60fps (1920x1088)
	Real-time H.265/H.264 video encoding
Video encoders	Support up to 8K@30fps
	Multi-channel encoder in parallel for less resolution
Environment	
Operation Temperature	-10~80℃
Storage Temperature	-20~80℃
Humidity environment	5%-90%(No condensation)

APPLICATION

Facial Recognitin

Boarding System

Interactive Kiosk

Hotel Identity Vrfication

Self-service Retail

Interactive all-in-one machine

Only conference system

Naked eye 3D machine

Digital signage kiosk

Cash register

Vending machine

Smart calling machine

AI artificial intelligence

KTV jukebox

Internet media player

Powerful image parsing ability, easily codec 8K video

Supports up to 8K@60 frame H.265/H264/AV1/VP9/AVS2 video decoding and 8K@30 frame H.264/H.265 video encoding



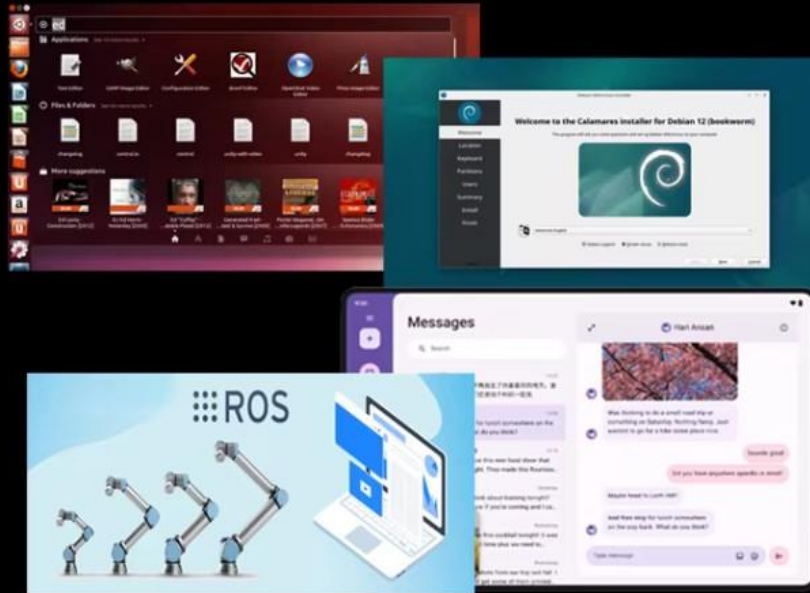
Multi-Screen Different Display

Enhance your viewing experience with multi-screen display.
Perfect for immersive, high-definition, multi-screen interactive scenarios.



Plug and Play, support a variety of operating systems

Easily handle multiple development scenarios



Personalized Customization



Module customization

