DigiJupiter

Digital Signage 4K Player DJP-E290

C O T E N T S

Revision history

Revision	Revision date	Principle changes
V1.0	Dec. 2017	Create based on E290 V1.0

1 Overview

1.1 Introduction

Digi-Jupiter networked multimedia player DJP-E290 employs the **Rockchip quad core RK3229,** having a strong capacity of multimedia processing and rich peripheral interfaces. **Besides, this player is able to run 4K 60Hz files**

1.2 Features

- 28nm-process made main chipset is high-performance and low-power

- HDMI/AV interfaces are provided for access of various displays with a resolution up to 4K

- Support LAN, WIFI , as well as standalone mode

- Auto timed on/off in multiple periods enables unattended operation

- Both vertical and horizontal displays are supported

- High performance 4K OTT box solution

Rockchip
4 RK3229 core

RK3229

- Quad-core Cortex-A7 up to 1.5GHz
- Mali-400MP2 GPU
- DDR3/DDR3L/LPDDR2/LPDDR3
- 4K UHD H265/H264/VP9
- BT.2020/BT.709
- H264 encoder
- TS in/CSA 2.0
- USB 2.0

RK3229 QUAD-Core

RK3229 QUAD-Core

1G DDR3

8G Flash

GPU Mali-400

High Performance GPU

A7 Octa-core Mali-400, It can support 4K@60fps video devoding and playback, 3D games playing,1080p online video chat.
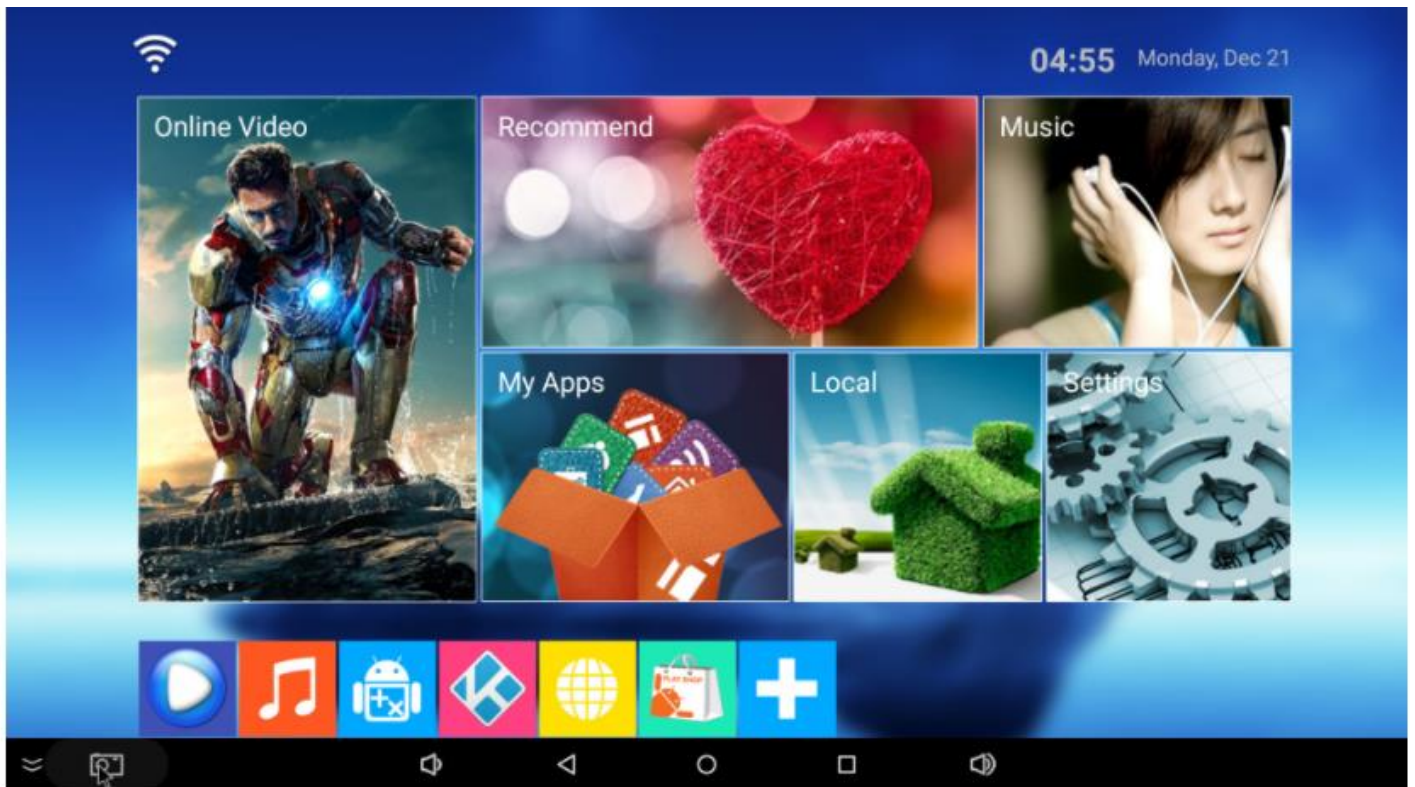
2K

4K

4K

4K is a new resolution standard designed for digital cinema and computer graphics. More than 4 times higher image definition than 1080p resolutions.

APP

My APPs

Assembles the top TV Apps and it is also convenient for customers to search, download and view.

2 Profile

2.1 Profile

Dimensions：L102 mm×W102 mm×H19mm

2.2 Interfaces

■ **Front View**

Interface	Description
DC 5V	Connects to +5V DC power
AV	Outputs AV signal
HDMI	Sends audio and video signals over a single HDMI cable
LAN	Connects to 10M/100M/1000M adapter Ethernet

■ **Rear View**

Interface	Description
USB1/USB2	Connects to USB devices
TF Card	Connects to TF cards
Internal WiFi	Internal WIFI antenna of 2.4G

■ **Back View**

Interface	Description
LED Indicator	Indicates the power state
IR Sensor	Receives commends from the remote control

3 Specification

Hardware Configuration	
Board	Rockchip RK3229 + ARM Quad Cortex A7 1.5 GHz CPU + ARM Mali-400 MP GPU + HYNIX/SAMSUNG DDR3 1Gbyte (2Gbyte option) + HYNIX/SAMSUNG NAND FLASH 8GB (16GB, 32GB Option)
Resolution	Max up to 4K 60fps
Features	
OS	Android 5.1
Media Formats	
Media Formats	Decoder Format:H.263,H.264,H.265,HD MPEG4 Video format: 4K, H.265,VP9 Audio format: AAC, APE, FLAC,M4A,MP3,OGG,WAV,WMA Photo Format: BMP,GIF,JPEG,PNG
Interfaces	
Power Supply	×1
Video Outputs	HDMI×1 Including an HDMI 2.0 for HDMI 2.0 for 4K YUY420@60hz with HDCP 1.4/2.2
	AV x1
LAN	×1，10/100/1000M Ethernet
WiFi	×1，WIFI(802.11bgn)
USB2.0	USB OTG×1（can be used as HOST） USB HOST×1
IR	×1
TF Card Slot	×1
Other Features	
RTC	Real Time Clock for time synchronization
Watch Dog	WDT circuit included for auto recovery from failure
Electrical Parameter	
Input Power	5V---2A DC
Dimensions	
Dimensions	L102 mm×W102 mm×H19mm