



**DigiJupiter**

**Digital Signage Player**  
**DJP-E20**

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## Revision history

Revision	Revision date	Principle changes
V1.0	Jan. 2017	Create based on E20 V1.0

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# 1 Overview

## 1.1 Introduction

Digi-Jupiter networked multimedia player **DJP-E20** employs the **Rockchip quad core RK3288**, having a strong capacity of multimedia processing and rich peripheral interfaces. **Besides, this player is able to run 4K files**

## 1.2 Features

- 28nm-process made main chipset is high-performance and low-power
- HDMI/VGA/AV interfaces are provided for access of various displays with a resolution up to 4K
- Support LAN, WIFI and 3G ,4G networks(option)., as well as standalone mode
- Auto timed on/off in multiple periods enables unattended operation
- Both vertical and horizontal displays are supported
- Support multi-touch screens



## RK3288

- Quad-core Cortex-A17 up to 1.8GHz
- Mali-T764 GPU
- Dual-channel DDR3/DDR3L/LPDDR2/LPDDR3
- 4K UHD H265/H264
- BT.2020/BT.709
- H264 encoder
- TS in/CSA 2.0
- USB 2.0



# 2 Profile

## 2.1 Profile



Dimensions: L168 mm×W100 mm×H42mm

## 2.2 Interfaces

### ■ Front View



Interface	Description
USB1/USB2	Connects to USB devices
TF Card	Connects to TF cards
LED Indicator	Indicates the power state
IR Sensor	Receives commands from the remote control
IR_EX	Connects to an infrared remote extender receiver
COM	Communicates with external device via serial port

### ■ Rear View



Interface	Description
DC 5V	Connects to +12V DC power
AV	Outputs AV signal
VGA	Outputs VGA video signal
HDMI	Sends audio and video signals over a single HDMI cable
LAN	Connects to 10M/100M adapter Ethernet
WiFi	Connects to a WIFI antenna of 2.4G

# 3

## Specification

<b>Hardware Configuration</b>	
Board	Rockchip RK3288 + ARM Quad Cortex A17 1.8 GHz CPU + ARM Quad Mali-t764 MP GPU + HYNIX/SAMSUNG DDR3 2Gbyte + HYNIX/SAMSUNG NAND FLASH 8GB (16GB, 32GB Option)
Resolution	4K HD
<b>Features</b>	
OS	Android 4.4
<b>Media Formats</b>	
Media Formats	Support mainstream media formats, including MPEG1, MPEG2, MPEG4, H.264, WMV, MKV, TS, flv, MP3, JPG, JPEG, BMP, PNG, GIF
<b>Interfaces</b>	
Power Supply	×1
Video Outputs	VGA×1 HDMI×1 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
Serious port	RS232 x1 SPI/UART x1
<b>Other Features</b>	
RTC	Real Time Clock for time synchronization
Watch Dog	WDT circuit included for auto recovery from failure
<b>Electrical Parameter</b>	
Input Power	12V---2A DC
<b>Dimensions</b>	
Dimensions	L168 mm×W100 mm×H42mm