

Digital Signage Player DJP-E20

COTENTS

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Revision history

| Revision | Revision date | Principle changes |
|----------|---------------|--------------------------|
| V1.0 | Jan. 2022 | 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
- HD/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

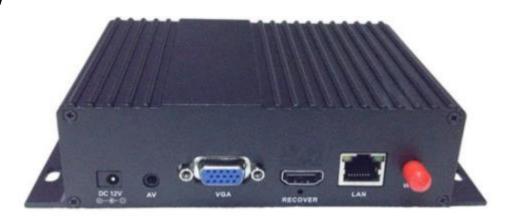
2.2 Interfaces

■ 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 commends 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 |
| HD | Sends audio and video signals over a single HD |
| LAN | Connects to 10M/100M adapter Ethernet |
| WiFi | Connects to a WIFI antenna of 2.4G |
| | |
| | |
| | |
| | |

3 Specification

| Hardware Configuration | | | | | | |
|------------------------|------------------------------------------------------------------|--|--|--|--|--|
| 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 | | | | | |
| Features | | | | | | |
| OS | Android 4.4 | | | | | |
| Media Formats | | | | | | |
| Media Formats | Support mainstream media formats, including MPEG1, MPEG2, MPEG4, | | | | | |
| | H.264, WMV, MKV, TS, flv, MP3, JPG, JPEG, BMP, PNG, GIF | | | | | |
| | Interfaces | | | | | |
| Power Supply | ×1 | | | | | |
| Video Outputs | VGA×1 HD×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 | | | | | |
| Other Features | | | | | | |
| RTC | Real Time Clock for time synchronization | | | | | |
| Watch Dog | WDT circuit included for auto recovery from failure | | | | | |
| Electrical Parameter | | | | | | |
| Input Power | 12V2A DC | | | | | |
| Dimensions | | | | | | |
| Dimensions | L168 mm×W100 mm×H42mm | | | | | |