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# Media Player Specification

## Meda3

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## Product Summary

MDEA3 is YDEA Tech designing for the advertising market, launching a new low-cost integration of innovative LED display information release system, mainly for advertising network publishing, building lighting display system.

MDEA3 integrated networking publishing systems, stand-alone player system, LED control system in one, comes with a network interface (RJ45), WiFi, and external 4G card, real-time publish information and video playback via network synchronization; comes with media player function, can be used as PC host uses to achieve a single player; built-in video processing and LED controller, and meanwhile the price is very competitively. With this system, the video signal can be transmitted to the Ydea Gigabit System, so you can help customers simplify the system structure, reduce control costs at the same time.

With the help of Meda 3, the following problems can be solved such as complex systems, more external devices, single function, control cost is too high, difficulties in system management, service problems.

## Product Feature

### ● Powerful function

Mdea 3 integrated a super quad core-ARM Cortex-A17 Rk3288 processor, the main frequency can up to 1.8GHz, equipped with Mali-T760 image processor, Mdea3 can support OpenGL ES1.1/2.0.3.0, Open VG1.1, OpenCL, Directx11, embedded with high performance 2D accelerate hardware, Meda3 can play 4K H.264 and 10bis H.265 video program, also multi format 1080P video program supported.

### ● Simple system structure

Mdea3 is a led media player that integrated networking publishing systems, LED control systems, stand-alone player system in one, to achieve a highly integrated architecture.

### ● Centralized network management

Mdea3 comes with WiFi and Ethernet interface through the network real-time synchronous playback and video information.

### ● Stand alone media player

Mdea3 as a media player, can be used as a PC host to achieve a stand-alone play, integrated hardware codec module can support 1080P HD video decoding and play; also the content which will be played can be processed based on the pixel of the screen, then stored in the root directory of hard disk or usb disk, insert the hard disk or usb disk in to the usb port of Mdae3, the content will be played automatically.

### ● Better safety performance

MDEA3 based on a common platform, stable performance does not crash, software upgrades easy to maintain, easy to use client, eliminating the need for a lot of training.

## Technical Specifications

### Hardware Configuration

Multimedia supportable	Photo Viewer : JPG,BMP,PNG photo format supportable		
	Video Format :H.264,VP8,RV,WMV,AVS,H.263,MPEG4 format 1080p decoding,H.265 coding 4K HD video,HTML5 video and Flash 10.1 supportable		
	AudioFormat: MP3,WMA,WAV, APE, FLAC, AAC, OGG,M4A,3GP format supportable.		
CPU	RK3288 ARM Cortex-A17 quad core 1.8GHZ	RAM	2GB dual channel DDR3
GPU	Mali-T760	ROM Flash	16GB high speed eMMC

### Network Connections

WIFI	Support 802.11b/g/n system	Ethernet network	10/100/1000Mbps Ethernet(Realtek RTL8211E)
4GNETWORK	With HUAWEI's ME909s-821 LTE 4G module, mobile 4G network, Unicom 4G network, telecom 4G network supportable		

### Interface Configuration

HDMI OUT	HDMI2.0*1 4K 60HZ format supportable	HDMI IN	HDMI IN *1 standard HDMI signal input supportable
LED Video output	Output interface*4	USB	USB port*2 The mouse, keyboard, U disk and USB camera can be connected
	Maximum resolution:1920*1080		
485interface	485 interface*1;Brightness sensor, temperature and humidity sensor, multi-function board can be connected		
Audio	3.5mm audio interface*1; SPDIF*1	TTL interface	TTL interface*2 OLED display can be connected

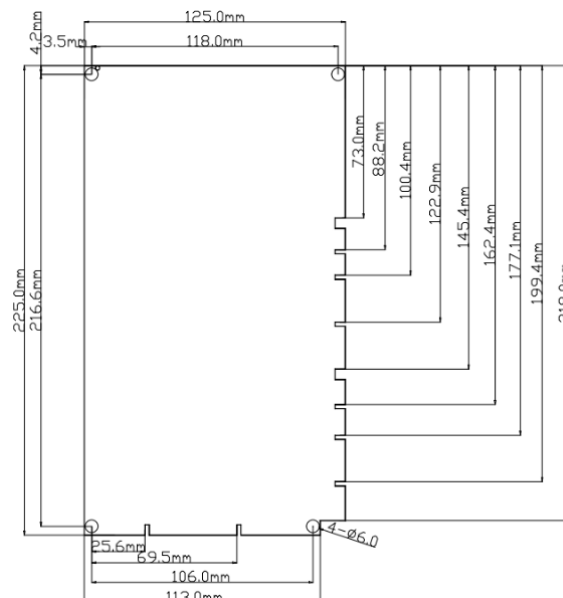
### Software Configuration

Operating system	Andriod 5.1.1		
Control Software	YClient2 v1.9.apk	Player software	YdeaStudio_v5.32_170707.apk

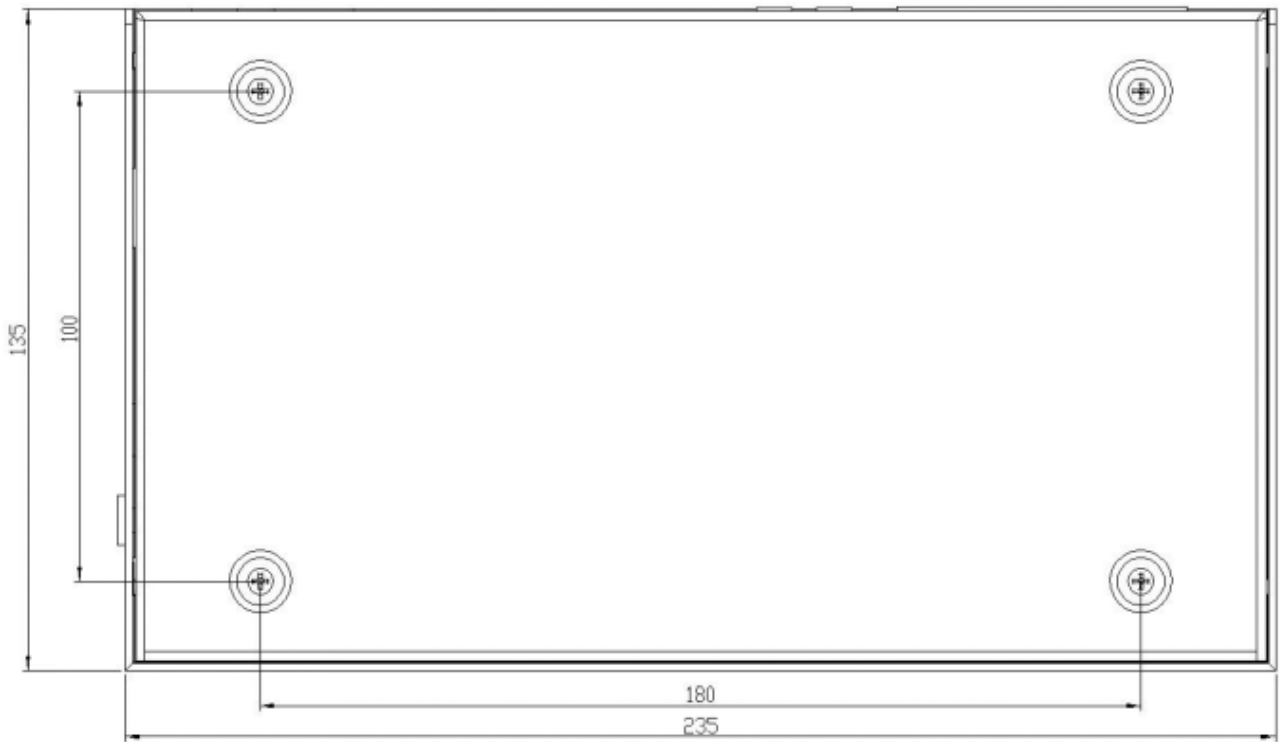
### Electrical Specifications

Power	AC(5V,3A)	Temperature	-20℃ ~ 75℃
Consumption	≤ 15W	Size (L × W)	225 mm × 125 mm

## Chassis Dimensions

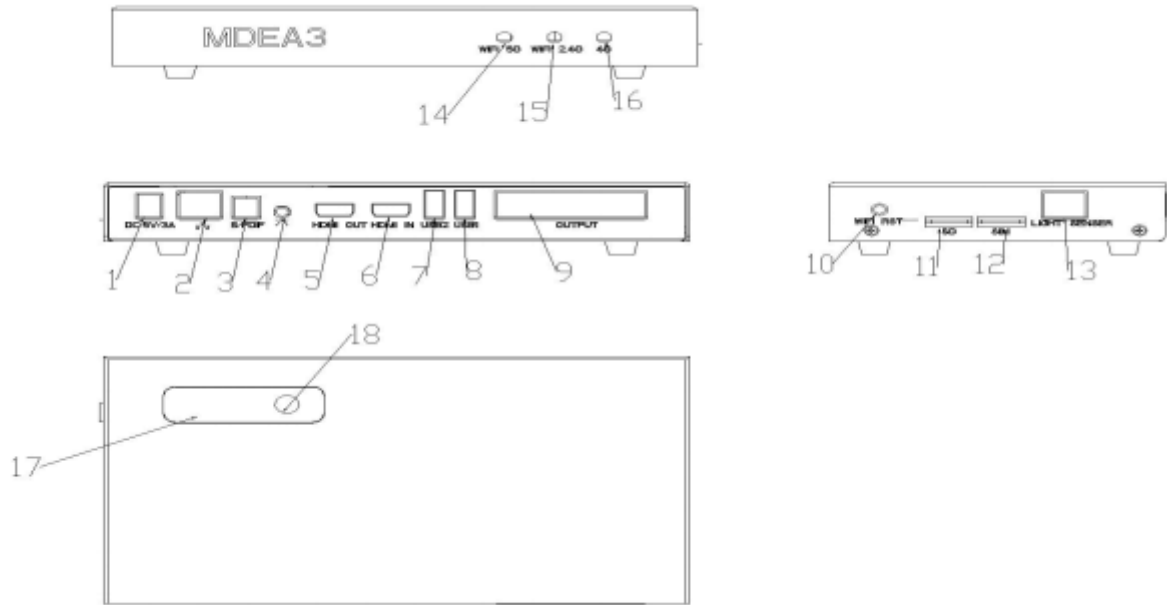


Box dimension



Unit : mm

## Interface definition



- 1 Power input : DC5V/3A      2 Ethernet interface; Internet connect      3 S/PDIF audio interface:Connect to the HIFI loudspeaker
- 4 3.5mm earphone interface:connect the earphone and loudspeaker      5 HDMI-OUT; Connect the display to test and monitoring
- 6 HDMI-IN: HDMI signal input      7 USB2: U disk, mouse, keyboard and camera can be connected      8 USB1: For burning system firmware
- 9 Led control signal output interface: For video signal output      10 Button: Reset and restore factory settings for WIFI
- 11 SD card slot: 64GB Maximum 64GB      12 Sim card slot: (Attention)card notch outwards inserted
- 13 485signal interface:Brightness sensor, multi-function card      14 WIFI 5G antenna interface      15 WIFI 2.4G antenna interface
- 16 4G module antenna interface      17 Screen: Display the working state      18 Button:Switch display content

## Installation

The product provides two kinds of installation

- 1 ) The factory comes with installation: the product has been installed foot pad, users only need to place the Mdea3 box on the horizontal ground.
- 2 ) Wall mounted: this installation method allows the client to decide whether or not to use the installation method according to the use environment, and the installation steps are as follows:
  - a move the foot pad away
  - b install the mounting piece onto the Mdea3 box
  - c Fix 4 M4 screws on the wall, and screw spacing as shown below
  - d Hang the product on 4 screws

