SYSOLUTION

Sync & Async Dual-mode Sending Box

M70

Product Specifications

Version： Ver.1.1

Statement

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Update Record

No.	Version	Remark	Date
1	Ver.1.0	Initial Release	2020.01.02
2	Ver.1.1	Content change	2021.05.27

Note: The contents of the document are subject to change without notice.

1 **Product Introduction**

The M70 synchronous and asynchronous dual-mode sending box is a highly integrated and high-performance quad-core Cortex-A17 core board, running at a frequency of up to 1.8GHz, and comes standard with 2G memory and 16GB EMMC high-speed flash memory, supports synchronous HDMI input and output signals . It is more suitable for commercial display fields, such as mirror screen, advertising machine, lamp post sign and other applications.

M70 supports synchronous HDMI input and asynchronous playback without additional parts like video processors and various cables., supports 4G/Wi-Fi wireless remote control by smart phone or laptop.

2 Product Introduction

1. Support synchronous and asynchronous dual mode playback；

2. Support HDMI input and output;

3. Support Lora modem to realize programs synchronization via wireless；

4. Integrate auto-light sensor interface, plug sensor probe in directly；

5. Onboard dual WiFi module, support AP mode and Station mode;

6. Web server built in, support local webpage produce; support editing offline programs via computer, iphone, android smart phone, laptop and so on.；

7. Support video hard decoding, support 1080p video and most of formats of video, image and text；

8. 1.3 million dual network ports loaded, the maximum width of asynchronous is 1920 pixels, the maximum of height is 1080 pixels, and the synchronization is 1.3 million custom width and height;

9. Support full color static, 1-32 scan modes modules, standard driver IC；

10. Support almost all types of driver IC like MBI, ICN,SUM, MY and so on ；

11. Industrial level Flash: 16GB；

12. Support plug in camera by USB ；

13. Support storage configuration parameters in receiver cards (The 8th and 9th Generation receiver card)；

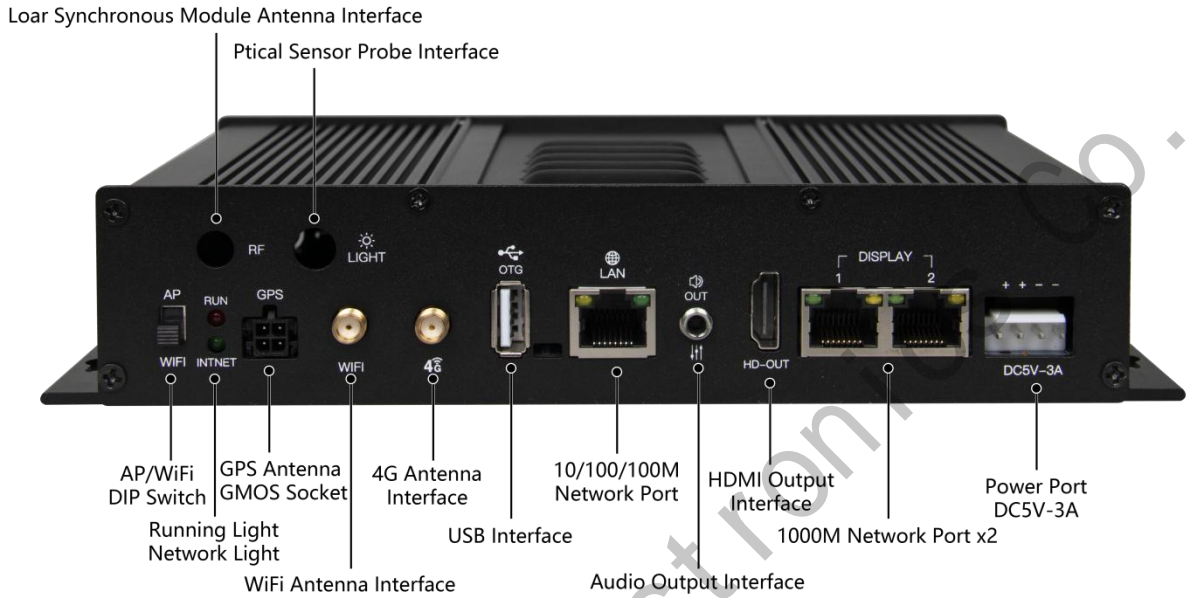14. Use LedOK Express software.
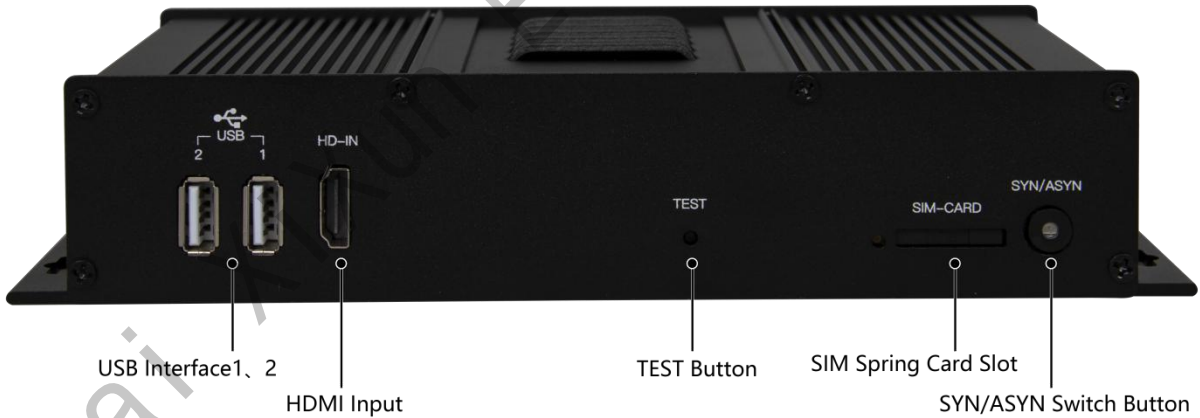
3Product Appearance

M70 Positive

M70 Reverse

4 **Interface Definition**

Loar Synchronous Module Antenna Interface

Ptical Sensor Probe Interface

RF
LIGHT

AP   RUN   GPS

WIFI   INTNET

OTG   LAN   OUT

DISPLAY
1   2

HD-OUT

DC5V-3A

WIFI   4G

AP/WiFi
DIP Switch

GPS Antenna
GMOS Socket

4G Antenna
Interface

10/100/100M
Network Port

HDMI Output
Interface

Power Port
DC5V-3A

Running Light
Network Light

USB Interface

1000M Network Port x2

WiFi Antenna Interface

Audio Output Interface

M70 Front interface labeling

USB
2   1

HD-IN

TEST

SIM-CARD

SYN/ASYN

USB Interface1、2

TEST Button

SIM Spring Card Slot

HDMI Input

SYN/ASYN Switch Button

M70 Reverse interface annotation

5Product Parameters
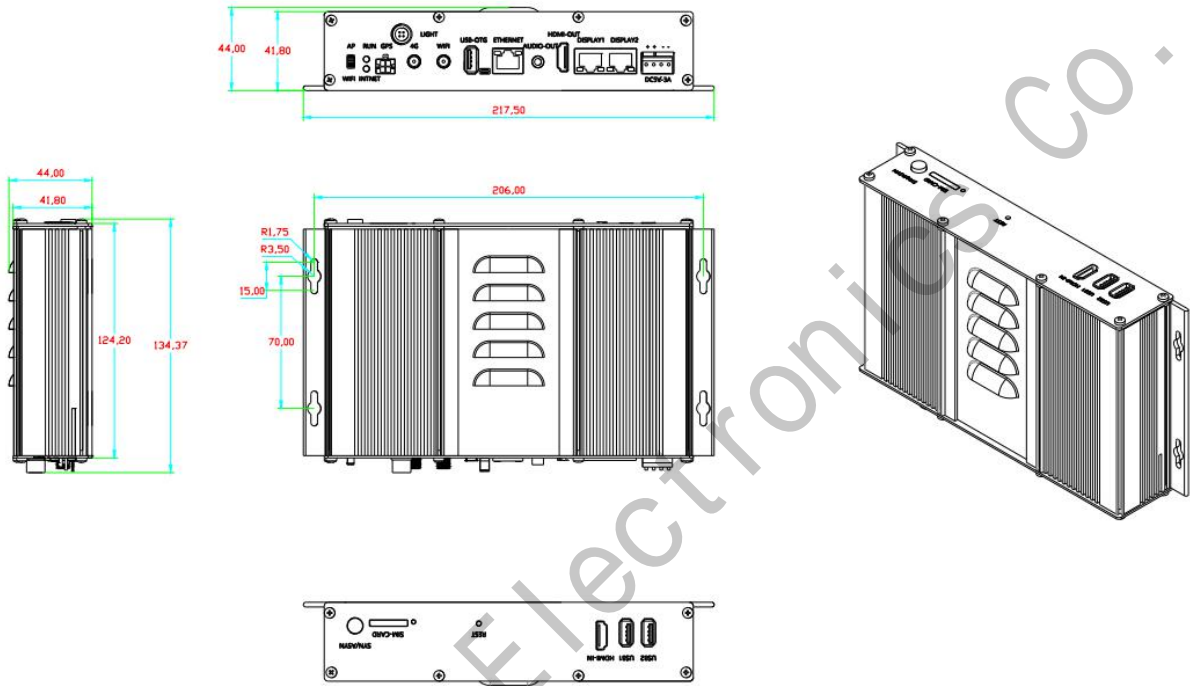
Main Hardware Index	
CPU	RK3288 strongest quad-core 1.8GHz Cortex-A17
GPU	Quad-core GPU Mail-T764
RAM	2G
Internal me mory	EMMC 16G
Built-in ROM	2KB EEPROM
Decoding Resolutions	Maximum support 3840*2160
Operating System	Android 7.1
Play Mode	Support multiple playback modes such as loop, timing, insertion, etc.
Network	4G、Ethernet, support WiFi/Bluetooth 4.0, wireless peripheral expansion
Video	Support MP4（.H.264、MPEG、DIVX、XVID）format
USB2.0 Interface	2 USB HOST、1 USB OTG
Serial Port	IIC / TTL / 485

GPS	External GPS （optional）
WIFI、BT	Built-in WIFI，BT4.0 （optional）
4G	Built-in 4G module communication （optional）
Ethernet	1，10M/100M/1000M adaptive Ethernet
HDMI Output	Support
Audio Output	3.5mm audio port

6Technical Parameters

Working Parameters	
Power Input （V）	5~12V 1~3A
Working Temperature （°C）	-30~75℃
Working Humidity （%）	0%~80% RH
Stock Temperature （℃）	-40~80℃ recommend 5~35℃
Dimension （mm）	217 （L） x135 （W） x44 （H）
Weight （g）	1300g

7Dimension Size

Unit: mm

8Cautions

1. Strictly prohibited to disassemble product by yourself;

2. Strictly prohibited to plug in or off Antenna with power on.