

# VFC

VMS Sign Processor

## PRODUCT INTRODUCTION

VFC adopts industrial grade quad core processor, integrates four Cortex-A35, dual core Mali-g31 GPU, quad core main frequency 1.5GHz, can withstand -30°C~+75°C temperature range and can operate stable, the memory supports 1Gb+8Gb (compatible with 2Gb+16Gb) LPDDR3. The chip can support GSM, WCDMA, TD-SCDMA, EVDO, TDD-LTE, FDD-LTE and other systems. It is a highly integrated product.

## FUNCTION CHARACTERISTICS

1. Two Gigabit network ports are output, and one network port is used as backup to ensure the stability of image transmission
2. Support the external connection of eight element environmental sensor R68 through 485 interface to display environmental information without secondary development
3. Support optional 4G modules. The models of modules in different countries are different. Please provide the country of use for shipment. Support optional 4G modules. Different models fits for different countries. Please confirm the country before shipment
4. Support switch sync/asynchronous model
5. Lora wireless timing multi screen synchronization
6. Support AP mode and Station model
7. Support cluster remote control through web platform
8. Built in web server, it supports local web page production, program release and display control of PC, mobile phone, pad and other user terminals, cluster remote program release and display control, and cluster remote monitoring of screen status

## PRODUCT APPEARANCE

Control box



9. The timing switch, volume and brightness can be set centrally through the management system
10. Support to play programs according to the program list
11. The timing switch, volume and brightness can be set centrally through the management system
12. Support USB camera
13. Support NTP precise automatic timing
14. Software kit: PC software

## PRODUCT PARAMETERS

Features	Description
Type	VFC
Pixel	130 pixels, The widest resolution in pixels 1920, Maximum pixel 1920
Communication mode	Network port, USB, optional 4G module
CPU	Cortex-A35 4 Core main frequency 1.5GHz
GPU	Mali-G31MP2 OpenGL ES3.2, Vulkan 1.0, OpenCL 2.0 Dvalin-2EE
System memory	8GB eMMC+1GB LPDDR3
Operating system	Android 9.0
GPS	GNSS GPS/Beidou/Glonass
Other interface support	1. 1.1 channel stereo audio output. 2. 1 line HDMI input 3. 1 USB2.0 port. 4. Support play program through USB. 5. 1 RS485 port, 1 RS232, 1 TTL serial port. Connect to light sensor or other sensors, as well as connecting to other modems to realize other functions.
Configuration software	Starview
Working voltage	12V
Working current	0.9A Max: 3A
Maximum working power consumption	10W
Working temperature	-30°C ~ +75°C
Storage temperature	-40°C ~ 75°C Recommend 5°C ~ 35°C
Humidity of working environment	10% ~ 90% Non condensing
Size	170mm x 129mm
Net weight	467g
Packaging information	Accessories: HDMI cable x1

1. It is recommended to use an independent (12V/3A or above) power supply for the control card
2. High working temperature will cause a sharp decline in power efficiency. If the control card and the module share the same power supply, please ensure that the control card has a stable voltage and a reasonable actual current supply.

## ACCESSORIES

<b>Standard accessories</b>	<b>Size/Quantity</b>
4G Sucker antenna	3mx1
<b>Optional accessories</b>	<b>Accessory function</b>
Humidity lineRH1	Used to detect the humidity of the current external environment
Brightness lineRL2	Used to sense the brightness of the current environment
Optional multi-function card RS5 integrated synchronization module, 5-way voltage detection, door opening and closing and smoke interface (optional RD1 door sensor, RM1 smoke sensor)	Power detection
Eight in one environmental sensor R68	Temperature, humidity, illumination, PM2.5, PM10, noise, wind speed, wind direction
Electric quantity statistics RM1275	Real-time view of daily electricity consumption
G11 GMous multimode	GPS Positioning module
33W hornx2 RLB1	Two remote broadcasts per screen, real-time shouts
Matching accessories (the above options, according to the order needs to place another corresponding model)	

## NOTES

1. It is strictly forbidden to disassemble and assemble the product by yourself.
2. It is strictly forbidden to plug and unplug the SIM card with power.
3. It is strictly forbidden to use improper voltage for power supply.
4. It is strictly forbidden to share the 200w/5v switching power supply of the screen to supply power to the card, which will lead to unstable system operation and low horn sound.

For technical or sales support, please visit:

[www.starviewint.asia](http://www.starviewint.asia)

Performance specifications are typical. Due to constant research, specifications are subject to change without notice. For the most up-to-date specifications, please contact an authorized Starview representative.

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