

C6D Specification

V1.0



1. Overview

1.1. Product Introduction

Streamax C6D-M is a cost-effective device developed for vehicle video surveillance and remote video surveillance. Its characteristics are as follows:

- ✧ The product mainly consists of two parts: host unit(front view camera) C6D-M, and slave unit(cab view camera) IP836C26;
- ✧ 3G/4G, Bluetooth, WIFI, 6-axis and other functions are integrated;
- ✧ Record vehicle trajectory in real time for background analysis;
- ✧ SD card video storage, up to 256GB;
- ✧ Support IP voice intercom;
- ✧ Special file system, secure video data, and protect personal privacy;
- ✧ Industrial design requirements, aluminum alloy casing, large area heat dissipating teeth with good heat dissipation effect, the product can be used normally for 5-8 years;
- ✧ The product is small and light, and is attached to the glass behind the rear view mirror. The installation is convenient and fast, and does not obstruct the driver's sight;
- ✧ The internal 720P camera has infrared and recording functions to clearly capture the scene inside the car.
- ✧ The external 1080P camera can clearly capture the scene outside the car, which can restore the event and facilitate the collection of evidence.
- ✧ The installation of the alarm button is concealed, which is convenient for the driver to promptly report the accident and ensure the safety of the driver;

1.2.Host Unit Interface



Serial	C6D host unit interface description
1	Base fixing screw
2	LED status indicator
3	Bluetooth / WIFI warehouse
4	Speaker
5	Lens fixing screw



Serial	C6D host unit interface description
1	C6D SIM card / SD card panel
2	C6D SIM card / SD card panel screw
3	C6D USB port
4	C6D SIM slot
5	C6D SD slot



Serial	C6D host unit interface description
1	Base
2	3M double-side tap
3	Lens（front view camera）
4	Screw hole for fixing the host

1.3. Slave Unit Interface



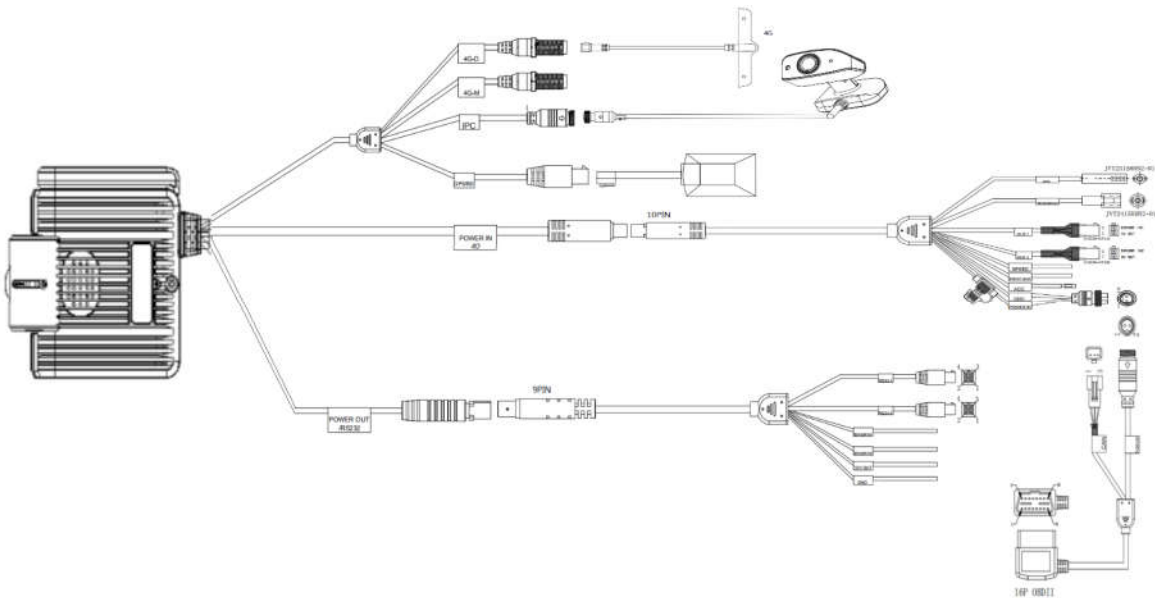
Serial	C6D slave unit interface description
1	Microphone
2	Lens (cab view camera)
3	Photosensitive area
4	3M double-side tape
5	Base
6	Lens left and right adjustment screw
7	Lens up and down adjustment screw

1.4. Status Indicator of Host Unit

There is only one LED status indicator on the C6D, and the status of the device is fed back by the lighting status.

- ✧ Long time off: indicates power supply is off.
- ✧ Steady red light: The power is on, it is starting up and the power is not completed.
- ✧ Red light flashes per second: Indicates that the boot is completed, but the module is faulty. Faults include no GPS module, no WIFI module, no SD card, channel video loss.
- ✧ Steady green light: Indicates normal operation with no module failure.
- ✧ LED flashes 2 times per second: Indicates that it is being upgraded.

1.5. System Diagram



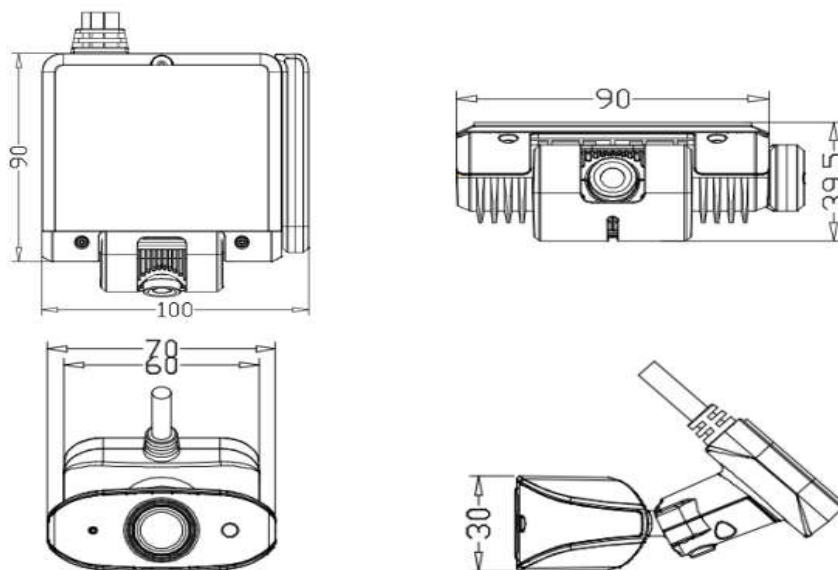
1.6. Specifications

Model	C6D-M/IP836C26	
Network	WIFI	support
	Bluetooth	support
	3G/4G	support
Positioning	GPS/BD dual mode	support
Sensor	Six-axis sensor	support
Taximeter function	Vehicle pulse collection	support
Working status indicator	The indicator light shows the four states of the device: Power on: When the device is powered on, the red light is always on; Normal operation: the green light is always on; Fault alarm: The indicator light flashes red and lights up once every second;	
Storage	SD Card	SD card, support SDXC64G/128G/256G, support hot plugging
Video and Audio	Video and Audio recording	Video 2 channels, audio 2 channels
	Main stream resolution and frame rate	Slave unit: 720P@30fps Host unit: 1080P@30fps
	Largest resource	Main stream 1080P@30 frame +720P@30 frame, 2 way sub-stream VGA@30 frame
	Image setting	Brightness, color, contrast, saturation, sharpness adjustment
	Video coding	H.264 Baseline Profile/H.264 Main Profile Baseline
	Video compression rate	Host: 500Kbps ~ 6Mbps / slave: 500Kbps ~ 6Mbps
	Audio compression standard	G.711U/ADPCM
	Audio compression ratio	4:1
	General function	Heartbeat mechanism, multi-level user management
	CBR/VBR	support
	Audio input	support
	Built-in speaker	Built-in speaker for broadcasting voice messages
	Camera parameters	
	Sensor Type (slave)	1/3" 1.23M pixel CMOS Sensor
	Sensor type (Host)	1/2.9" 2M pixel CMOS Sensor
	Shutter speed	1/30 sec-1/100000sec
	Lens	Slave: 2.3mm Host: 4mm
	Lens interface type	M12
	Day and night	Slave: support

	conversion mode	Host: not support
	Digital wide dynamic	Digital wide dynamic
	Backlight compensation	Support
	Signal to noise ratio S/N	≥48db
	Infrared distance IR	Slave: 3m Host: Not support
Interface	RS232	2
	IO alarm	2 with self-test
	SPEED	1
	Power output	5VDC@500mA, 12VDC@500mA
Protocol	Network Protocol	HTTP,TCP,ARP,UDP,FTP,DHCP,DNS,IPV4,NTP
Power related	Power supply	9-36V
	Built-in battery	not support
	Typical power consumption	6W
	Power consumption	no more than 9W (standard application for two cameras)
General specification	Operating temperature	-30℃~+70℃
	Storage temperature	-40℃~+85℃
	Humidity	0% - 90%

1.7. Size

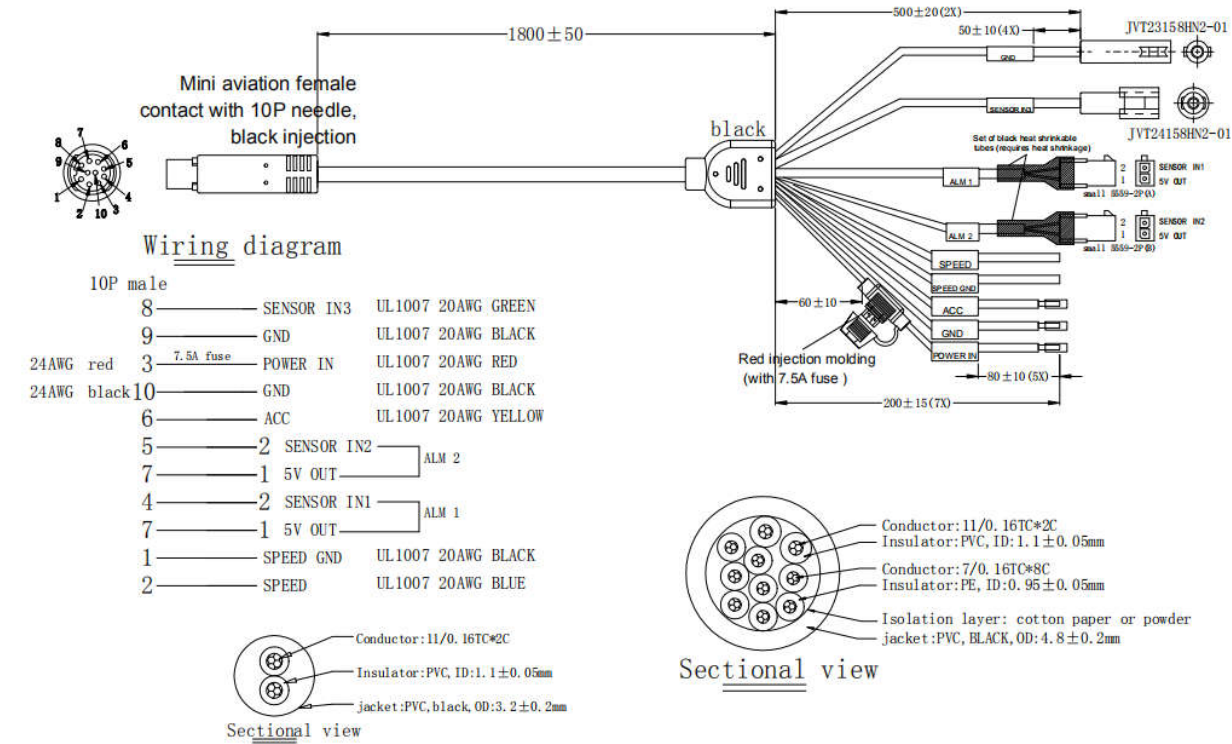
1.7.1. External Interface



Unit: mm

1.7.2. Cable Interface

10P signal input line definition:



9PIN signal input line definition:

