Symphony®

SY-DVR500

FULL HD 1080p

Night Vision

Friendly Reminder

This manual is simple operating instructions, it may exist any technical describe inaccurate or misprint, also the contents will be update unscheduled without notice, new contents will be added in new version.

We′re subject to improve or update product description or program, if any difference, all depend on real goods, please understand.

Installation Notes:

➢ To extend the service life of equipment, please make the equipment installed at the weak vibration parts of the vehicle as far as possible;

➢ To ensure the equipment cools properly, the installation should avoid poorly ventilated location (such as the vehicle trunk), while this equipment should keep a distance of about 15cm with other object in the same plane;

➢ The machine should be installed horizontally, please note that when installing the device should keep waterproof, moisture-proof, lightning protection, meanwhile maintaining the vehicle stationary in order to prevent the damage of equipment falling;

➢ To ensure the safe use of equipment, the machine, camera, cables and other accessories should keepout of the reach of the passengers and driver;

➢ The machine uses 8V-36V DC power supply, note the polarity when wiring in order to avoid short circuits;

➢ When connecting another external device, please keep the device power off;

➢ Do not place any other equipment on the top of the device;

➢ Non-professionals do not open the case by themselves, to avoid the damage and electric shock.

Ⅰ **Accessories List**

No	Name	Quantity	Unit	Device Model	
				Basic	Network/AI
1	MDVR	1	pcs	✔	✔
2	Remote Control	1	pcs	✔	✔
3	Power input wire	1	pcs	✔	✔
4	AV output wire	1	pcs	✔	✔
5	I/O wire	1	pcs	✔	✔
6	Keys	1	pcs	✔	✔
7	QC Card	1	pcs	✔	✔
8	Manual	1	pcs	✔	✔
9	Warranty card	1	pcs	✔	✔

Ⅱ **Device Introduction**

2.1 Front panel function introduction

Item	Name	Silk screen	Functional Specification
①	LED Indicators	PWR	Power Indicator LED. LED on means powered has connected
		REC	REC Indicator LED.It Flash when its Recording
②	IR Receiver	IR	Infrared remote control receiving hole
③	SD Lock	LOCK	When electronic lock is locked, Device automatically turns on; when electronic lock is opened, device automatically turns off
④	SD Card Port	SD	Open the interface baffle through the electronic lock, insert SD card. When the electronic lock is locked, please do not open the interface baffle forcefully, it may damage MDVR
⑤	USB Port	USB	Use to backup files and upgrade firmware version

Note: The lights of different MDVR models are different, please see the real object

2.2 Back panel function introduction

Item	Name	Silk screen	Functional Specification
①	AV Input Port	AV1-AV4	1-4 Channels, with DC 12V output
②	AV Output Port	AV OUT	Standard for CVBS AudioVideo Output Port(It can change into VGA Port) Devices with the suffix "-S2" support RS232
③	Power Input Port	PWR	Input Voltage DC8-36V **Red** cable connect power positive **Black** cable connect power negative **Yellow** line ACC signal cable
④	I/O Port	I/O	4CH Alarm In, 1CH Alarm Out

2.3 Audio and video interface

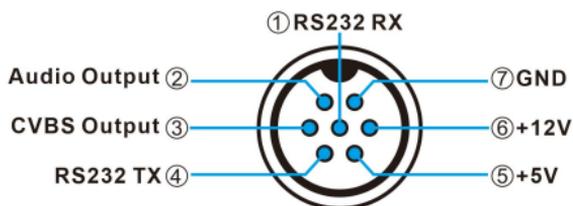Host aviation connector Interface Definition: Camera aviation connector Interface Definition:

Connect to AV cameras

Video ④ ─── ① +12V
Audio ③ ─── ② GND

Connect to the host

+12V ① ─── ④ Video
GND ② ─── ③ Audio

E5204S AV output
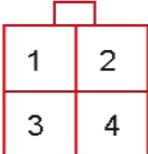
① RS232 RX
Audio Output ② ─── ⑦ GND
CVBS Output ③ ─── ⑥ +12V
RS232 TX ④ ─── ⑤ +5V

Ⅲ Main accessories instruction

3.1 Power interface definition

This port connect to power interface on the back panel

Pin definition	PIN	FUNCTION
1 2 3 4	1	GND
	2	Power+
	3	ACC
	4	NC

3.2 Remote Controller

IR Remote Control Buttons Functions Instruction as Showed Below:
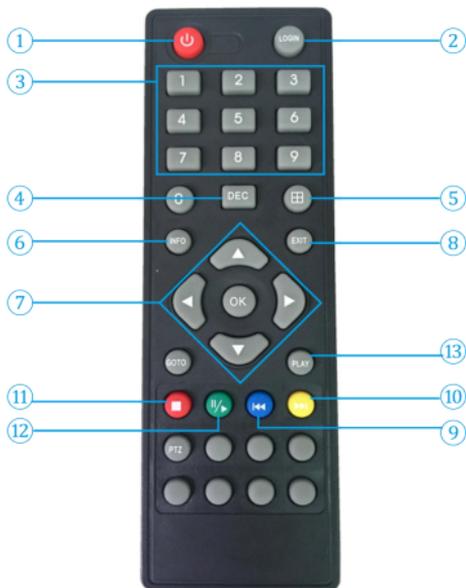
①Power off key.This device does not have this function
②Login key.User login
③In setup interface, the number key is used to input numbers; For playback, 1/2/3/4 channel switching
④Delete Key.Delete the Character When Editing
⑤Switch from single screen to four screen
⑥Information display key
⑦Direction key
⑧Return key
⑨Fast back key.Video fast back
⑩Fast-forward key.Video fast forward
⑪Stop key
⑫Pause key
⑬Play key.Video playback

IV **installation steps**

Step1: Open the locker

Insert the key and turn clockwise according to the panel label to open the electronic lock

Step2: Install SD card

SD
Card Port

According to the panel logo, insert the SD card

Step3: Lock the electronic lock

LOCK

After installing the SD card, insert the key and turn the electronic lock counterclockwise to lock the MDVR.

Step5: Connect the power cable

MDVR Use Direct Current Power to Input, Input Voltage range is DC8-36V

★ **Use Ignition Switch to Control MDVR to Delay Work**

Red Connect Battery(Power) Positive Pole, Black Connect Battery(Power) Negative Pole, Yellow Connect Ignition Switch

★ **Main Switch Connection Diagram(Main Switch Control Recording Switch), Testing indoor also Use this Method.**

Red and Yellow Together connect Battery(Power) Positive Pole,Black Connect Battery (Power) Negative Pole.

Attentions：
1. The MDVR is DC power supply; please attention the positive and negative polar.
2. The voltage is 8V~36V.Do not insert voltage that beyond this range. Under low voltage the MDVR doesn't work, under high voltage will be harm to the MDVR.
3. Please make sure the MDVR is connect with the car power directly. Do not connect with the generator, the instantaneous voltage will harm to the MDVR.
4. The initial power will beyond 30W when the MDVR connect with the Camera (the consumed power is different due to the connect with different device), the power supply must beyond 30W.
5. The power cables must can stand beyond 60W(For example, when the output voltage of car is 12V,the power cables must can bear 5A or more).
6. Please put the cover on the cables, the cover must be wear-resistant, heat-resistant, water-proof, grease-proof, in case of short circuit and open circuit.
7. Please install a 10A fuse box near the battery output positive polar for fear of the short circuit will damage the power supply.

Step6: Connect display screen

This product supports 1 channel CVBS video output (can be changed to VGA output)

Ⅴ Menu Settings

1.User login

When the password switch is set to "Off": press the 【LOGIN】 to enter the system main menu directly.

When the password switch is set to "On": press 【LOGIN】 to enter the correct password, move the cursor to "login" and press 【OK】 to enter the system main menu.

The default password of Admin 888888(or 111111 - available before the password is changed)

الشـــركة العالميـــة

مراكز الخدمة المعتمدة

المهندسين
العنوان: ٣ب شارع أحمد عرابى — المهندسين — الجيزة
تليفون: (٠٢)٣٣٠٥١٨٠٩ — (٠٢)٣٣٠٥١٨٩٥
موبايل: ٠١٠٠١٥٤٩٩٧١

مصر الجديدة
العنوان: ١٥٥ شارع النزهة — سانت فاتيما — مصر الجديدة — القاهرة
تليفون: (٠٢)٢٧٧٥١٣٩٢ — (٠٢)٢٧٧٥١٣٩٨
موبايل: ٠١٠١٠٦٣٧٧٣٢

سموحة
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تليفون: (٠٣)٤٢٠٣٥٩٣ — (٠٣)٤٢٠٣٥٩٤
موبايل: ٠١٠٣٣٧٤٦٣٥٦

سيدي بشر
العنوان: ٩ عمارات المحروسه طابيه سيدي بشر بجوار نفق المحروسه عالبحر — الاسكندرية
تليفون : (٠٣)٣٥٦٦٣٤٦ — (٠٣)٣٥٦٦٣٤٣
موبايل: ٠١٥٥٥٣٢٥٦١١

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