X10 Series

H.264 SD Card AHD Vehicle Mobile Surveillance System

(Internet of Vehicles Platform)

(4CH H.264 AHD 720P MDVR)

User Manual

V4.1 (2017.4.25 Version)

This manual applicable for X10_V4.0 Series or above version Products, please read it carefully before use!

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CHAPTER 1: Product introduction

1. Attentions before use

In order to avoid the disoperation might damaging the device, please read the manual carefully before use!

1.1. To avoid damaging the device, please connect and check all the external devices before power on the DVR, including cameras, SATA HDD, SD Card, 3G/4G sim Card.

1.2. To avoid damaging the device, please remove or re-install all the cameras when power is off

1.3. To avoid damaging the device, please remove or re-install the storage devices after power is off

1.4. Do not touch the metal parts of the SD Cards with hands.

1.5. Keep the unit away from water or other liquid, to avoid shortcut occurs.

1.6. To ensure the DVR works properly, please do not press two or more keys simultaneously.

1.7. The DVR only can work under the range of rated voltage and rated current.

1.8. Please do not assemble, maintain, upgrade or replace the components without permission

1.9. As a professional equipment, regular maintenance and test to cables, storage device and work environment are necessary.

2. Product Overview

X10 Series products is a h.264 compression based, new generation high performance, low consumption 4ch AHD (Analog High Definition), 720P(1280*720) full real time(PAL: 25FPS/NTSC: 30FPS) mobile surveillance DVR

X10 Series adopt USB (USB2.0) mouse realize interface operation and function configuration, Support 2pcs high-speed SD/SDHC/SDXC up to 128GB. Support optional GPS, WIFI, 3G and 4G.

X10 support GPS function, Users can read longitude, latitude, moving speed and moving path of vehicles on google map when playback the videos on PC, User also can view and track the real time moving trace on map through 3G/4G remote management software.

The network version X10 equip with advanced video stream transmit function via RJ45/2.4G WIFI/3G/4G. with the matched remote management software, Users can view real time video images, audio, device's info and vehicle's driving routes on Baidu/Google map.

X10 Series support AHD-M analog HD cameras, and it also compatible with any CCD or CMOS analog cameras.

X10 Series support DC10 ~ DC36V power input and provide DC12V/3A power for cameras, and all cameras equip with built in PPTC protection function. X10 Series support power protection function, when the voltage is lower than DC7V±0.5V or higher than DC38V±0.5V, System will power off automatically. When the power recover to the normal voltage range, DVR will restart to work.

3. Outstanding features.

3.1. Real time surveillance

DVR equipped with the standard VGA port& analog AV-OUT Port (named CVBS signal port), can connect the external larger screen to realize real time monitoring. Network version support video scream transmission by RJ45/2.4G WIFI/3G/4G technology, support real time monitoring and tracking with client software.

3.2. Compression technology

DVR adopts advanced H.264 (Main Profile Level 5.0) video compression technology, each channel's video and audio adopts independent hardware real time compression technology, make sure that the audio and video saved synchronously, and reduce the occupation of the storage space. It saves above 2/3 memory space compare to the MPEG-4 compression technology.

3.3. Safety storage

DVR supports 4TB high capacity SATA interface HDD and 128GB high capacity high speed SD Card, Videos adopts professional encryption format, Users can not modify the data privately to ensure the authenticity and safety.

3.4. Video Playback

Supports real time local playback function for all channels, and supports files search, events search, single channel playback, multiple channels playback, Videos could be played back with the equipped software, the software can upload google map and show the GPS data and moving path on google maps. Network version products support remote playback the video stream on DVR.

3.5. Data Back Up.

Users can back up videos via USB 2.0 port, the backup device could be USB flash drive, removable HDD, USB-DVDRW. Users can connect the storage device SD Cards/HDD to PC, using the equipped player to check and back up videos.

3.6. Alarm Function.

X10 Series support video blind, video loss, 4 channels alarm inputs and abnormal detect function, support alarm linkage, such as the alarm triggered by HDD error, support alarm linkage record, buzzer, snapshot and send by email. Support one independent relay alarm output switches.

3.7. Network function.

Network version X10 support RJ45/2.4G WIFI/3G/4G video stream transmission function, cooperate with the CMS platform software, user will be able to monitor real tome video, audio, vehicle information, and vehicle moving trace on baidu/google map. Support mobile monitoring app.

3.8. Human-based management:

X10 supports multi users and passwords login management style, support multi languages, USB mouse operation mode, with RS485 port, with PTZ function, import and export the configurations easier for volume settings and managements, with system log function for checking and managing the device easier, can show the stream data for all channels.

3.9. Characteristic Design

DVR adopts 8 groups of power supply system and unique cooling system design to ensure the whole system operates stably with high efficiency, device adopts modularized design philosophy, make user can freely choose optional functions such as GPS, 3G, WIFI, 4G, DVR adopts unique alarm in and alarm out aviation port and special designed cables. DVR will supply power for cameras through the aviation cables. It adopts whole aluminum alloy clam shell design, with anti-theft lock to protect the HDD, SD Card, LCD, and SIM Card in the DVR.

4.1	Standard accessories		
Seria	Descriptions	Seria	
l No.		l No.	Descriptions
	One DVR		One set of anti-vibration kit
1		5	
	One combined AV input cables with		TV out cable * 1pc
2	Aviation interface or RCA interface	6	
	V		
	One Power cable with fuse		keys
3		7	
	One combined alarm and control		One CD or printed manual
4	cable	8	
			DVD

4. Content of package

Serial	Descriptions	Seria	Descriptions
No.		l No.	
1	GPS function and one antenna	5	Four analog AHD Cameras (720 P/960P)
		_	
	WIFI function and external WIFI		3G/4G function and external antenna
2	antenna	6	
	Aviation type or CVBS (RCA) extension		Storage Devices (SD Card)
3	cables	7	
			SD CARD 1286B
	L=5m,10m,15m,20m,25m,30m		

4.2. Optional accessories (need to purchase separately)

5. Application scope

X10 Series products are 4ch AHD full real time Mobile monitoring and management system which adopts Linux embedded operation system, based on H.264 digital high definition technology, support extended functions such as GPS, WIFI, 3G, 4G.

X10 Series equip with high performance and wide application scope, which applicable for buses, taxi cabs, ships, vans, trains, etc. it is also applicable for the surveillance in fixed places such as offices, factories, home, buildings

CHAPTER 2: Technical Parameters

	X10 Specifications				
	Basic model	X10	Equip with basic function(VIDEO,AUDIO,REC,PLAYBACK, ALARM,VGA,USB 2.0,HDD,SD,RS485,RS232(reserved), LED, FAN		
Model No.		RJ-45			
		GPS	Support NMEA-0183 GPS protocol		
	Optional Functions	Wi-Fi	2.4G 150Mbps IEEE 802.11 b/g/n WIFI		
		3G	WCDMA、CDMA2000 and TD-SCDMA		
		4G	7 modes full Netcom, FDD-LTE and TDD-LTE		
Power supply mode		Vehicle battery (mobile monitoring platform) /power adapter (other monitoring platform)			
Input		DC12V ~ DO DC10V~38V	C36V (typical input voltage: DC12V / DC24V, limited input voltage:		
		model No.	Corresponding current when voltage is DC24V		
Working current		X10-GW	450 ±10 mA		
		X10-3G	480 ±10 mA		
		X10-4G	500 ±10 mA		
		X10-3GW	520 ±10 mA		
		X10-4GW	540 ±10 mA		
0	utput	DC12V/3A protection f	(supply power to cameras video input devices, built-in PPTC function)		
Working temperature		- 10°C ~ + 50°C (limited working temperature : - 20°C ~ + 60°C)			

cameras	AHD_M HD standard 720P (1280*720)/100 mega pixels or 960P (1280*960)/130
	mega pixels / AHD _L standard 960H (960*540)/normal D1(720*576/normal VGA
Video standard	PAL/NTSC (all channels have to use same standard cameras signal input)
Video input	Input standard: input amplitude Vp-p=1.0V, input impedance 75 Ω
resolution	720P /960H /D1 /Half D1 /CIF
Video frame rate	PAL(1~100FPS optional)和 NTSC(1~120FPS optional)
video quality	Multi-grade adjustable
Video compression	H.264
Storage mode	Boot record, schedule record, cycle cover
Video clip	3 minutes/5 minutes /10 minutes /15 minutes /30 minutes /45 minutes /60
	minutes /90 minutes /120v
Storage interface	Two SD Cards
Storage capacity	Max 128GB SD/SDHC/SDXC (advise to use Class10 and above SD card)
Output signal	CVBS composite audio video signal (4 channel video + 4 channel audio)/VGA
Network interface	1 x 10M/100M Ethernet interface(RJ45)
Alarm input	4 channel isolated alarm input interface (with isolation function), not equip with
Alarm output	1 channel isolated relay input interface (with isolation function), not equip with
	power output function.
USB standard	1xUSB 2.0 standard interface (support USB mouse、 USB backup and system upgrade)
IR receive	1 IR receive terminal (next to USB interface, belong to reversed IR remote control interface)
Indicator	RUN indicator , REC indicator , GPS indicator , 3G/4G indicator, SD Card indicator
Delay power off	Delay power off, cooperation with ACC+ control wire, can set the time: $0 \approx 999$ minutes
Other	RS485 (PTZ) , RS232 (reserved)

Other design	Built-in SD card, built-in SIM card, cooling fan convection design, aviation connection design, ACC+ control wire design, side panel lock design, ultra-thin module design
Mainframe side	155(L)*133(W)*26(H)mm
Mainframe weight	Approx. 430g

CHAPTER 3: Presentation and Installation

1.Installation and Connection

1.1. Connection Diagram



PIN port	9	10	11	12	13	14	15	16
Function	AL-OUT1_A	AL-OUT1_B	GND	AL-OUT2_A	AL-OUT2_B	GND	RS485-B	RS485-A
PIN port	8	7	6	5	4	3	2	1
Function	<mark>AL- IN 4</mark>	AL- IN 3	GND	<mark>AL- IN 2</mark>	AL- IN 1	GND	RS485-B	<mark>RS485-A</mark>

Definitions and descriptions of ports:

- AL-IN1~AL-IN8: alarm input port ALARM-IN1~ALARM-IN8, need to set up and work together with the related function in the system menu. Support NO/NC switch control signal and high/low level control signal (DC 0.7V < high level <DC 12V, low level < DC 0.6V)</p>
- AL-OUT1 &AL-OUT2: Two independent relay-based alarm output ports, need to work together with related function in the menu, with Normal Open contact, can controlled by the signal under 1A
- RS485A&RS485B: PTZ control port
- GND: The common ground wire port

1.2. Start up control mode

① Auto switch on/off start up mode, applicable for vehicles.



② Manually switch on/off control mode, applicable for the fixed places.



Notes: ACC+ Cable is the start up control wire, effective when triggered by high level, usually works with the car cigarette lighter.

1.3. Attentions

- As there are many control ports for the DVR, so we do not use the special designed terminal for each port, please use the insulating tape to bind up, in case the short circuit occurs with other wires, and affect the other control wires.
- (2) If the SD Card indicator has light up, it means that the data written in
- ③ After the DVR connect to power supply, please make sure that the ACC+ also

<u>H.264 AHD Vehicle Surveillance System (Vehicle Internet Platform) X10 Series Manual</u> connect to the power, or the device cannot start up.

2. Interface Explanation

2.1 Interface

Front view of DVR



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Side panel 1



Side panel 2



Notes: X10 Basic model do not support the SIM Card slot.

2.2 Status Indicators



RUN: DVR running indicator, DVR is triggered to enter into the working status by ACC+, the RUN indicator flash when DVR works well.

REC: Record indicator, it will blink when device record and save normally.

GPS: It will keep on after GPS system positioning correctly

3G/4G: It will keep on after 3G/4G module dial-up successful, it will blink when the module starting to transmit the video stream.

2.3. Storage Device Installation

Attentions before installation:

Mother board and SD Card are consisted of many integrated circuit components, Integrated chip, etc., and these electronic parts are very easy to be damaged by the static electricity. So please take notes the following issues before installing the SD Card:

① Disconnect power of DVR before installing and removing SD card

② To avoid the SD card damaged by static electricity, please wear anti-static wrist Strip or touch grounded and metal objects before you touching the SD Card,

Like metal cases, metal tap.

③ Please install and remove the SD Card when the power is disconnected.

SD CARD

- For the newly installed SD Card will be formatted by the system automatically, if the storage device can't support recording, please choose the "HDD format" option in system menu to format the SD Card. If you cannot format the SD card with system, please remove the SD Card and use the low-level format software to format the SD card.
- 2. If there is no storage device, the system will show a tip "NO Disk "on the preview interface

2.4. Memory occupancy calculation

When you install the 4ch HDD/SD card mobile DVR for the first time, please check if any hard disk/SD Card is installed. And check the write protect switch (if with SD card), otherwise, the video files cannot be recorded into the SD Card properly

Maximum capacity of the memory storage devices HDD/SD Card supported:

4CH mobile DVR X10 series supports two SD Card up to 128GB. Users can choose the appropriate memory storage as their request:

How to choose HDD/SD Card`s capacity?

Formula for Storage space occupation:

Total storage capacity (M) = numbers of channels (CH) * required time (H) * occupied capacity per hour (M/H)

Formula for recording time:

Recording time (H) = Total storage capacity (M) / [numbers of channels (CH) * occupied capacity per hour (M/H)]

For instance:

The user uses a standard hard disk of 1TB/SATAII and set 4 Ch. recording at 720P/25FPS (high quality recording). Each single channel needs around 2GB capacity per hour, the recording time of 4ch real time high quality recording will be:1TB/(2GB×4CH) \approx 128hours(8hrs/day×16 working days or 24 hrs./day×5 working days).

CHAPTER 3: System Menu

1. Preview interface

Notes: the system menu support to be operated by USB mouse.

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After the device power up, enter into the preview mode. The default interface is quad screen display, Users can configure display mode in the system menu, such as single channel preview or multi-channels preview.



Under the multiple channels preview interface, double-click the left button of USB mouse, the corresponding video channel display will maximize to full screen, double click the mouse left button again it will come back to multi-channel preview, right click USB mouse on preview mode can choose the preview modes.

In the preview mode, the date, time, channel title, GPS, GPS latitude and longitude, GPS speed and rec status will show on display.

Seria	Watermark	Explanation	Remarks
l No.			
1	2016-06-28	System Date	Date can be configured in system menu and support GPS

			automatic updates
2	10:30:10	System Time	Time can be configured in system menu and support GPS automatic undates
3	CH1. CH2 CH3 CH4	Video channel title	Can be modified
4	REC	Recording mode	Show "NO DISK "when there is no storage device
5		Wireless network Sign	After dial-up and connect to network successfully, the sign turns to green
6	LNG:11359.4322 E	GPS longitude	The info turns to "0" when DVR does not get the location info.
7	LAT:2241.0203 N	GPS latitude	The info turns to "0" when DVR does not get the location info
8	KM/H:000	GPS Speed	The info turns to "0" when DVR does not get the moving info

2. Menu Navigation

Menu ir	nterface	Function explanation
Record	Search	Search, Playback and USB backup
		Resolution, Bit rate, Frame rate, Audio, Rec Size, Record Mode
Record Setting		(power up record, timing record), low stream configuration,
		snapshot resolution
Basic	Alarm	Alarm in port, HDD failure, HDD Space Insufficient alarm, alarm

|--|

functions		processing setting, E-mail configuration, Video blind, motion
		detect
	DT7	Channel configure, PTZ protocol, baud rate, data bits, verify code,
	PIZ	stop bits, address code
	Time	System date, system date format, system time, time format, GPS
	setting	automatic checking time, daylight saving time
		Hard disk Status and Information, storage device format, U disk
	HDD Info	formatting, overwrite
	Maintain	System upgrade, restore the factory Settings, restart the
	Wantan	equipment, parameters import, parameter export, log search
	Network	notwork configuration DDNS cottings CMS Satur
	setup	network configuration, DDNS settings, CNS setup
	System	TV System, VGA Resolution, Channel loop time, Camera type,
	setup	System language
Suct	om info	Serial No., Software version, MAC address, GPS status, Wi-Fi
		status, wireless status.
	Basic satur	Vehicle No., Company name, License Number, Driver name, Line
	Dasic setup	number.
	ACC setup	Alarm switch, record switch, threshold, Real status
	ON/OFF info	ON/OFF mode, Delay shutdown, Delay time
Vehicle	Wireless	Wireless function switch, wireless type, wireless access point, Dial
info	setup	number, login user name and password, wireless status
		WIFI switch, hotspot search, Wi-Fi status, hotspot management, IP
	WIFI setup	Config
		Baud rate, upload interval, alarm upload switch, alarm upload
	GPS setup	interval, parking timeout, over speed value and low speed value
		Channel title, Channel title display position, preview switch,
Displa	ay Setup	Horizontal and vertical flip, OSD time display switch, OSD GPS
		information switch, OSD record time and recorded GPS display

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	switch, Startup preview setup, Volume control.
Password management	Device ID, User Password or not, Input Password
Exit	Exit to Menu Page/Back to previous menu

3. Menu Interface

Note: in the system menu page, the system automatically returns to the preview mode if without effective operation within 30 seconds



In the video preview mode, right click the usb mouse, popup out the shortcut menu. Through the shortcut menu, user can enter into the main menu page. And users can operate the regular function via the shortcut menu. Such as: system lock (suitable for password access mode), preview images configuration, video search, PTZ control, manual record and stop (suitable for timing record), etc.

Select the "menu" in shortcut menu, enter into the system main menu, which is consist of 8 functional options, including: video Search and Record Settings, Basic Setting, system information, vehicle management, display Settings, password management and exit menu.



3.1 Search

Video Search menu, main function is video search, video playback and USB backup.

Video Search, may according to the specified channel, set a precise date and time to search, search results will be shown on the date and time table. the green highlight form indicating that there are video files, users can click the green highlight grid directly to playback the videos.

CHN DATE	A 20	LL 16-	-06	-21	8	10:	23	012	inte		[PLA SE	Y I	вас сн	ĸ	
JUN.	01	02 18	03 19	04 20	05 21	06 22	07	08	09 25	10 26	11	12	13 29	14 30	15 31	16
	0	0	0	1	0	2	0	3	0	4	0	5	0	6	0	7
2800	1	8 6	1	9 7	1	8	1	1 9	1	2	1	3	1	4 2	1	5 3
•						F	ILE	L 1	151	E	XI	2				

If click the "file list", users can back up the files with USB devices.





3.2. Record Setup

In this interface, Users can configure the following functions: video resolution, bit rate, frame rate, image quality, audio, recorded file size, record mode (power up record and timing record), low stream configuration, snapshot Resolution.

м	AIN MENU-RE	SCORD SE	TUP	
CHANNEL	ALL 🔽			
RECORD	2			
RESOLUTION	720P BITRA	TE	H 🔽	
FRAMERATE 2	5 QUALI	TY 🚺	1	
AUDIO	REC. SI	[ZE 15	MIIN	
REC. ALL	REC. MODE	TIMER	S S	CHEDULE
CNAD PEC 720	170	TIMER	-	
SHAP RES 12	OF M	POWER UI	P	
🐢 Please s	elect the T	ecord n	a die you	
LOW STR	EAM CONFIG	DEFAULT	APPLY	EXIT

System allows the single channel record configuration, also allows to set up the same configuration for all channels.



Record (record switch): switch on/off record function for the chosen channels

	MAIN MENU-RECORD SETUP
CHANNEL	ALL V
RECORD	
RESOLUTION	720P BITRATE H
FRAMERATE	CIF QUALITY 1
AUDIO	960H EC. SIZE 15 MIN
REC. ALL	720P MODE TIMER SCHEDULE
SNAP RES 7	20P
LOW S'	TREAM CONFIG DEFAULT APPLY EXIT

Resolution: 720P, 960H, D1, Half D1 and CIF. The default value is 720P

Bit Rate: high, medium and low

Frame rate: In PAL, can be set in the $1 \sim 25$ FPS, in NTSC, can be set in the $1 \sim 30$ FPS.

Quality: Adjustable from 1~6 grade, 1 grade means the highest.

Audio Switch: switch on/off the audio record function for chosen channel.

Record file size: 1/3/ 5 /15/30/45/60/90/120 (minutes)

Record mode: Power up record/Timing record

Power up: boot record, as long as there are the available storage devices, DVR will record continuously till the DVR is shutdown, this mode does not support stop record manually.

Timer: Timing record, Record according to the user's configuration, can configure the following modes: Regular, Alarm, Manual

	MAIN MENU-R	ECORD SE	TUP	
CHANNEL	ALL 🔽			
RECORD	\leq			
RESOLUTION	720P BITR	ATE	H 🔽	
FRAMERATE	25 QUAL	ІТҮ	1 💌	
AUDIO	REC. S	IZE 15	MIN	
REC. ALL	REC. MODE	TIMER	R S	CHEDULE
SNAD PEC	208	TIMER		
SHAP RES	ZOP	POWER U	P	
💶 Please	select the	cecord m	ode yet	
LOW S'	TREAM CONFIG	DEFAULT	APPLY	EXIT

Regular: As long as within the configured period and there are available storage devices, DVR will record, this mode does not support manually stop record.

Alarm record: Configure alarm record within the scheduled period. Such as alarm trigger and motion detect.

Manual record: Support manually record and manually stop



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Low stream configuration: mainly used in networking function, you can configure the selected Channel's resolution, bit rate, frame rate and image quality.

MAIN	MENU-RECORD	SETUP-LOWSTREAM
CHANNEL	ALL 👻	
SWITCH	\checkmark	
RESOLUTION	D1 🔽	
BITRATE	н	
FRAMERATE	20	
QUALITY	1 🔽	
	DEFAULT	APPLY EXIT

3.3. Basic (Basic Function)

Basic function menu, Config alarm, time, HDD, DVR maintenance, network, system.



3.3.1 alarm

Config alarm input device and parameters, alarm linkage reactive measures, alarm output parameters, Email settings, video blind settings, motion detect, etc.,

IO port setting: support 4 independent alarm input detect port.

Trigger Level alarm: Support high level trigger alarm, low level trigger alarm and shutdown triggered alarm function

Disk failure: System support Disk detect function, can config alarm set options for warning. Disk Space: Supports disk space detect function, if user did not enable the overwrite function, System will send out warning there is no enough storage space.

Alarm set: Can config alarm out, Buzzer time, record delay, pre-record, email function, etc.

Alarm output: System support one channel alarm output control, controlled by a pair of relay switch, the default status of the relay switch is open (normal open), The max current of the elay switch should be less than 0.5A.

MAIN ME	NU-BASIC	SETU	P-ALARM	SETUP
IO ALL TRIGGER HIGH				
DISK FAILURE	OFF	DIS	K SPACE	OFF
ALARM SET	OUTPUT DELAY	010 060	BUZZER ADVANCE	005
EMAIL OCCL	UDED ALA	RM MO	TION DET	EXIT

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MAIN ME	NU-BASI	C SETU	P-ALARM	SETUP
DISK FAILURE	OFF	DIS	K SPACE	OFF
ALARM SET	OUTPUT DELAY	010 060	BUZZER ADVANC	005 E 000
EMAIL OCCL	UDED AL	ARM MC	DTION DE	STECT
	DEF	AULT	APPLY	EXIT

E-MAIL setting:

Setting a sending email address and a receiving email address, to send the snapshot by email when the alarm is triggered.

E-MAIL Switch: Turn on/Turn off the E-mail function

SSL: encryption switch, tick on for Gmail, and tick off for other mail system

SMTP port number: the SMTP port for email sending server, for Gmail, it is 465, for other mail system, it is 25

SMTP server: input the smtp address of sending email server, for instance, smtp.gmail.com

Sending email: input sender's email address

Sending email password: input the sending email's password

Receiver's address: input receiver's email address.

	ALARM SETUP-EMAIL SETUP
EMAIL	ON 🔽
SSL	⊙ off ○ on ►
SMTP PORT	00000
SMTP	
SEND EMAIL	
SEND PW	
RECV EMAIL	
	DEFAULT APPLY EXIT

OCCLUDED ALARM (VIDEO BLIND): System support camera occluded detect function, can work with alarm set to send warning.

Motion detect: when system detect the motions, DVR will work with the alarm set option to send alarm warning.

	ALARM SETUP-	MOTION DETEC	Г
MD CHANNE	L CHI		
STATUS	OFF 🔽		
SENSITIVI	TY 2		
SETUP			۰.
	_		
	DEFAU	LT APPLY EXIT	
1	ALARM SETUP-N	OTION DETECT	
MD CHANNEL	ALARM SETUP-N	AOTION DETECT	
MD CHANNEI STATUS	ALARM SETUP-N	AOTION DETECT	
MD CHANNEI STATUS SENSITIVIT	ALARM SETUP-N	MOTION DETECT	
MD CHANNEI STATUS SENSITIVIT SETUP	ALARM SETUP-N	AOTION DETECT	
MD CHANNEI STATUS SENSITIVIT SETUP	ALARM SETUP-N	AOTION DETECT	
MD CHANNEI STATUS SENSITIVIT SETUP	ALARM SETUP-N	AOTION DETECT	
MD CHANNEI STATUS SENSITIVIT SETUP	ALARM SETUP-N	AOTION DETECT	
MD CHANNEI STATUS SENSITIVIT SETUP	ALARM SETUP-N	AOTION DETECT	

3.3.2 PTZ configuration

Notes: User can read the user manual of PTZ devices to find out the parameters related to the settings.

Channel: Available to set a single channel, and also available to configure same parameters for all channels.

Protocol: Choose the related protocol for cameras, including PELCO-D and PELCO-P

Baud Rate: Provide the options including 1200, 1400, 4800, 9600bps

Data Bit: Provide the options including 5,6,7,8

Stop Bit: Provide the options including 1,1.5,2

Verify: Provide the options including ODD, Even, Mark, Space, None

Address: Provide the options of 0~ 255



MAI	IN MENU-BASIC SETUP-PTZ SETUP	
CHANNEL	ALL	
PROTOCOL	PELCO-D	
BAUD RATE	9600 -	
DATA BIT	8	
VERIFY	ODD -	
STOP BIT	1	
ADDRESS	001	
	DEFAULT APPLY EXIT	

User can control the PTZ devices by the operations: set PTZ rotatable speed, lens zoom in/out, switch aperture

PTZ advanced control option, it is support to save the current PTZ's setting into the pre-set bit. Available to use the setup pre-set bit to control PTZ, control PTZ to start and stop tour.

3.3.3. Date/Time setup

Set date, time, daylight saving time, etc. support GPS auto proofreading function System date: configure year, month, date

Date format: two formats options to select MM/DD/YY YY-MM-DD

Current time: configure hour, minute, second

Daylight saving time: Select on/off, daylight saving time is enabled when the switch is set to open, displays the settings for daylight saving time

Daylight saving time mode: Can be set to default or custom. The system default is the range of daylight saving time from the first week of January the third Friday in January-October. Users can also customize the range of daylight saving time.

GPS proofreading: click modify to confirm, proof time based on current valid GPS information Automatic proofreading: when automatic time proofreading is selected, automatically search GPS valid values while powered up every day, automatically proof time once, till proof successfully.



3.3.4. disk management

Disk Management displays the storage device status, capacity, free space, video time

This page supports the storage device format (SD card/hard disk) format and backup device (SD card/U disc) feature. Override the normal video days can be customized, alarm recording days can be retained for long period.

	MAIN M	ENU-FUNCTIONSET	-HDMANAGEN	MENT
NO.	STATE	SIZE/AVALID	RECTIME	FORMAT
1	Working	80.0G/4.6G	47Min	
2	No Dev	0/0	OHour	
y P	Re-detect ORAGE FOR	OVERWRITTEN AL	L T	•
-	Rhocage	denni Metti otake	cation state	

3.3.5. Device maintenance

Automatic maintenance: If the user opens this function with set maintenance intervals and time, you can automatically maintain the system. Automatic maintenance features are designed primarily for long uninterrupted run of protective device restart

AUTO RESET OFF	
SYSTEM UPDATE	DEFAULT SETTINGS RESTART
PARAMETER IMPORT MCU UPDATE	PARAMETER EXPORT STANDBY
LOG SEARCH	
	DEFAULT APPLY EXIT

System upgrade: To upgrade your DVR machine software systems, mainly related to feature updates and processes of these amendments.

- 1> Prepare a USB devices (such as USB disk), create a new folder named updatedvr in the root directory;
- 2> Copy upgrade file to a folder named with the updatedvr
- 3> After DVR normal boot into the system, plug the usb device with upgrade file to DVR on usb interface
- 4> Click the system upgrade option under menu, system will automatically scan the updatedvr directory of USB device, and then upgrade the operating system

Restore the factory Settings: all system configurable setting will restore to factory settings, except recording files and log files.

Restart device: system will restart by software. Mainly used in manual management and maintenance operation.

Export parameters: Backup system configuration parameters and export to USB device, the main

purpose is: on the one hand, backup system parameters x, on the other hand, can easily bulk configure same type of equipment.

Import parameters: import config file folder stored in USB device contain configuration parameters from system, mainly applied to system restore configuration or batch configuration.

Log query: can query based on log types, can set accurate date and time to query log. Default query is query for all types of logs of current day. Log file export support in the form of text to a USB device

MAIN ME	ENU-SYSTEM	MAINTAIN-LOG	SEARCH-I	LOG LIST
TTPE	INFO	TIME		FIRST
Manual	USER	16-06-28	09:55	PREV.
Manual	USER	16-06-28	09:55	
Manual	USER	16-06-28	10:08	NEXT
Manual	USER	16-06-28	10:08	LAST
Manual	USER	16-06-28	10:16	EXPORT
Manual	USER	16-06-28	10:20	EXIT
L			N	I .

3.3.6. Network setting

Network settings is mainly used in wired networks, DDNS and CMS platform parameter configuration

Wired network settings support static configuration, DHCP and PPPOE configurations. Normal users don't need to change media and WEB port number, must be set up with related platform software in special circumstances.

CMS setting: when networking DVR is connected to central server, must configure the CMS options, or even have dial-up internet access, and it can't connect to central server for data transmission. The default network port of central platform server is 06608.



3.3.7. System setting

System setting support configure access camera standard, VGA output resolution, channel loop time, access and camera type and system language.



Camera standard: support PAL and NTSC standard video input

VGA resolution: support 800*600 and 1024*768 two types of resolution, mainly adapted for vehicle screen application

Camera type: device support AHD-M, AHD-L and ordinary SD camera access. Easy and flexible to install and use for users.

System language: system support 3 languages: simplified Chinese, Traditional Chinese and English.



3.4. System information

System information mainly show system SN, software version, MAC and GPS, WIFI, wireless network status. Easy to view the working status of system extensions for users through this information.

MAIN	MENU-SYSTEM INFO
SERIAL NO.	2011011407
SOFTWARE VERSION	D2016062281
Mac ADDRESS	00:77:77:77:77:77
SIM CARD	NO
GPS MODULE	YES
GPS SIGNAL	AVAILABLE
WIFI MODULE	YES
WIFI CONNECT	YES
WIRELESS MODULE	YES
WIRELESS CONNECT	NO

3.5. vehicle management

Vehicle management mainly include: Basic information, vehicle acceleration setting, switch settings, wireless settings, WIFI and GPS settings and features.



3.5.1. basic information

Vehicle basic information include: vehicle number, company name, vehicle plate license number, driver name and vehicle route number

Vehicle number: each device will be assigned a device number before it leaves the factory, this number can be modified in the case of specific user rights. When adding network device on the CMS central platform server, this number will be used. The number cannot be modified in general user permissions.

Company name: users can fill out according to the actual usage

Vehicle number: users can fill out according to the actual usage. The vehicle number can be OSD watermarked on video.

Driver name: Users can fill in according to actual usage. When using the CMS platform server networking in use, can be used with a hub server configuration setting.

Vehicle route number: Users can fill in according to actual usage. When using the CMS platform server networking in use, can be used with a hub server configuration setting.

MAIN MENU-VE	EHICLE INFO-BASIC SETUP
VEHICLE NO.	20160616
COMPANY NAME	DTY
LICENSE NUMBER	
DRIVER'S NAME	ΨB
LINE NUMBER	666
*	
🐢 mend super us	er to modify
teden o den de service	APPLY EXIT

3.5.2. power on /off setting

power on /off setting can configure equipment's power on /off mode and delay power off recording time.

power on /off mode: system provide ignition and schedule mode. Power on /off mode must work with equipment's ACC+ control line in use.

Delay power off time: after ACC+ wire disconnected, device can continue recording for some

time. Configuration for delay recording support 0~999 minutes. User can set based on actual usage.



3.5.3. wireless setting

Wireless setting mainly configures wireless internet access dial-up settings.

User can configure wireless network parameter settings based on actual usage. In a special area, users in the procurement of SIM card, you must understand clearly related to the operator of the Internet configuration information, or may cause the situation cannot be used for normal dialing.

Wireless status: allow users to view the status of wireless internet dial-up, if successful, the system interface will show the access ip address from carrier.



3.5.4. WIFI setting

WIFI setting support Wi-Fi hotspot search, Wi-Fi status view, 5 group of Wi-Fi hotspots management and manual configure Wi-Fi parameters.

Ps: device support maximum 5 groups of Wi-Fi hotspot management and use



3.5.5. GPS setting

GPS setting mainly configure GPS baud, GPS information platform upload interval and GPS speed alarm configuration.

Ps: device's GPS module baud is 9600bps by default.

MAIN MENU-VE	HICLE IN	FO-GPS SI	ETUP
GPS BAUDRATE			
GPS SEND INTERVAL	0010		
SEND ALARM SWITCH	on 🔽		
ALARM INTERVAL	02		
PARKING TIMEOUT	000		
OVERSPEED VALUE	060		
LOWSPEED VALUE	000	•	
	EFAULT	APPLY	EXIT

3.6. Display setting

Display setting support configure channel title of each channel, position of channel name, channel start up preview mode, OSD information, etc. parameters

Channel title: support user to modify based on actual usage. The default is CH1, CH2, CH3 and CH4.

Channel title name display position: support left upper corner, left down corner, right upper corner and right down corner, user can configure based on actual usage.

Horizontal rotation: The device supports the camera horizontally rotating screen configuration, the main user-friendly image adjustments in the installation process

Vertical rotation: The device supports the camera screen vertical rotation configuration, userfriendly image adjustments mainly in the installation process.

Color adjustment: support user adjusts based on actual usage.

OSD time/ GPS information display: Support time and GPS information OSD watermark to the video screen display, users need to select Close if this feature not used.

Stream OSD display: when connected to CMS central platform server, remote viewing time and GPS information superimposed on the video screen watermark function.

Boot preview: configure preview mode when device start up, support single mode image display, two channel image display, quad display screen segments. We recommend that users configure adjusted according to actual usage.

	MAIN MEN	NU-DISPLAY SETUP
CHN CH1	-	
NAME	CH1	POSITION BOTTOMLEFT
PREVIEW	COLOP	R SETUP
Hor. Fli	p 🔽 Ver.	Flip
PREVIEW	TIME OPEN	RECORD TIME ON
PREVIEW	GPS ON	RECORD GPS ON
Startup	Preview QU	AD 🔽
MASK FIE	LD SETUP	WOLUME SETUP
	DEI	FAULT APPLY EXIT

Volume adjustment: adjust device audio output volume

3.7. password management

Device support administrator password and normal user password management. Device

number is designed to allow users to enter a password to learn basic information about the device, avoid password confusion.

If users log with normal user password, cannot operate system's recording setting and function setting. Normal user is limited under permissions.

	MAIN	MENU-PA	SSWORD	SETUP	
DEVICE	ID	000001			
USE PASS	WORD				
USER PASS	WORD		INPUT	AGAIN	•••••
ADMIN PAS	SWORD		INPUT	AGAIN	
AURIA PAS	STORD		THEOL	AGAIN	

3.8. exit

Exist: To exit the current menu page or return to the previous menu page

Ps: In the system menu page, supports the use of the right click shortcut to return to the previous menu or exits the menu function.

Chapter 5: MDVR Player

1. MDVR Player installation.

MDVR Player also known as MDVR Player video playback software. Users can get software through CD provided by the manufacturer, you can also contact the manufacturer via network/Web site software.

Install play software, user can select familiar language to process installation



Player software installation path can be configured according to the actual usage

3 ^{gl} Setup - MDVRPlayer	
Installing Please wait while Setup installs MDVRPlayer on your computer.	
Extracting files	
-	
	Cancel



After installation, users can run MDVR Player software; can also be a shortcut icon on the desktop to run the software. If the user has installed the MDVR Player playback software, and install the new version of MDVR Player software, it is recommended that users remove the old version of the software in advance, and do some clean-up system before installing the new version of the player software.

2. How to use MDVR Player

Ps: Pictures in this section for the HD picture, supporting an entire document file to view larger

Run MDVR Player playback software, the whole play software interface dominated by simple software interface, interface for the calendar on the left side, Central interface to configure and preview video file information, software system settings press the upper right corner.



Da ^r 20	te 16												•	loø	×
Ju	In.	Tue	Mar	Thu	Eri	Sat									
Sui	19101	Tue	wet			Jac									
		0	1	2	3	4									
5	6	7	8	9	10	11									
12	13	14	15	16	17	18									
19	20	21	22	23	24	25									
26	27	28	29	30											
		Ð	File					O Vi	deo						
Dire	ctory	1		C		D:		E:	F:	K:	Selec	t Folder			
Time	e Rar	nge		A	.11	0-2		2-4	4-6	6-8	8-10	10-12	12-		
Eve	nt Ty	pe		V	AII	I/C	0_1	🗖 I/	0_2 🔳	I/O_3	I/O	_4 🔲 I/	0_5		

Before using the play software for video data analysis, the user can configure the playback software system settings, system settings, including playback software language, video player interface ruled cases, GPS map type, GPS location coordinates automatic correction functions.

Ps: Default Baidu map in China, other parts of the default Google Maps. Play software will be carried out according to the language of the user when installing player software selection are automatically assigned; if the user choose Chinese player software installed, then the system automatically assigns GPS loading map type Baidu map; select English if the user to install the player software, then the system automatically assigns GPS map type to load Google Maps. In special usage, the user can be configured based on actual usage.

ystem Parameter	rs				
Language	English 👻]	Windows	Four Windows	•
	Clear Authenticatio	n Data		File Associations	
lap Parameters					
	GPS Offset Correction	on		Show GPS Tr	ack
Map Type	Google 🔹			Hide the map	window
ideo Parameters					
When	fast forward multiples les	ss than or eq	ual to 1X	▼ Play all vid	eo frames
	Watermark Verify			🔽 Full screen st	now progress bar
	Hide the status wind	low		🔽 Loop Play	
	Overlay I/O Alarm Ir	nformation			
Position	Top 👻]			
Horizontal	10	Pixels	Vertical	10	Pixels
	Overlay ACC And W	inker			
Position	Below 🔻]			
Horizontal	10	Pixels	Vertical	50	Pixels
	Overlay Driver And O	Company			
Position	Below 👻				
Horizontal	10	Pixels	Vertical	30	Pixels
	Overlay License Plat	e Number			
Position	Top 🔻				
Horizontal	10	Pixels	Vertical	70	Pixels

After configuring system settings based on actual usage, can analyze video data. After opening software, user need to connect recording storage device of DVR to computer through USB. User confirm the path of recording device in computer, then locate recording device through file query module in software interface.

E Fil	le		Vi	leo				
Directory	C:	D:	E:	F:	K:	Selec	t Folder]
Time Range	All	0-2	2-4	4-6	6-8	8-10	10-12	12-
Event Type		I/O_1	1 🔳 I/	0_2 🔳	I/O_3	I/O_	4 🔳 I/0	0_5

36	/	64
----	---	----

After play software identify the directory of recording files, video files will be displayed in different color at the left of software. If there is recording files in that date, the color will be sky blue. The color of current selected file is red.



After user select the date with recording file, preview will appear in the middle of play software, 0-24-hour preview will be displayed below the progress bar, progress bar on the point in time of the video file to highlight green logo, users can play the specified video file by double-clicking the video preview interface, video playback can also be based on the time the progress bar.

Ps: software support video files query based on time period and video file type. Query interface



After selecting preview video, double click to play recording files. In the video player interface, in the video player interface, the left main video file playback, central to preview the video file to play the video file is located in the vicinity of time node on the right track for the GPS map, the lower part of the data analysis for the operation of the vehicle. If the device has functions related to configuration, relevant data analysis.



Ps: user can switch to satellite map to view clearer GPS track during playing video

During video is being playing, user can double click video screen to zoom viewing, can also view fast or slow.

Hover over the corresponding Play button, playback software will display the corresponding function. For example: AVI video file conversion is displayed from H.264 format to AVI format files



3. Video data back-up

Video files on storage devices (HDD / SSD / SD CARD) is not specially encrypted, so the user can

directly view and directly copy the video data required for data backup.

Video files are named with the date folder distinguish each folder, on the time period of the video files are named.



Chapter 6: Vehicle network configuration

1. Network configuration

Device network can be achieved through a wired network RJ45, wireless networks WIFI, Wi-Fi 3G / 4G networking.

If the device is also equipped with wired and wireless networking module, so their work is in descending order of priority: the highest priority is the cable network RJ45, priority followed by wireless networks WIFI, lowest priority is 3G wireless network / 4G.

1.1. wired network RJ45 configuration

Menu configuration path: main menu->function setting->network setting

MAIN ME	NU-BASIC SETUP-NET	WORK SETUP
TYPE	STATIC 🔽	DDNS SETTINGS
MEDIA PORT	09000	CMS SETUP
WEB PORT	00080	
IP ADDRESS	192.168.006.011	
SUBNET MASK	255.255.255.000	
GATEWAY	192.168.006.008	
DNS	202.096.134.133	
	DEFAU	LT APPLY EXIT

1.2. wireless network WIFI configuration

Menu configuration path: main menu-> vehicle management-> WIFI setting Ps: device support maximum 5 sets of WIFI hotspots management and usage





1.3. wireless network 3G/4G configuration

Menu configuration path: main menu-> vehicle management-> wireless setting

TREFECC		- HORD
TRELESS	TIPE	USER M
IRELESS	ACCESS:	3gnet
DIAL N	UMBERS:	*99#
LOGIN	USER:	
LOGIN	PASS:	

2.0 CMS configuration

Menu Configuration Path: Main menu---> Basic setup---> Network----> CMS configuration

MAIN MENU-BASI	C SETUP-NETWORK SE	TUP-CMS SETUP
ACCESS TYPE	IP Address 🗧	
SERVER IP	120.031.136.200	
SERVER DOMAIN		
SERVER PORT	06608	
	•	
A system.w	ili restart after	changing
	Default APPLY EX	TIN

CHAPTER 7: Vehicle remote management client software (CMSV6)

1. CMSV6 installation

CMSV6 client software means central platform centralized monitoring control management server client access software. Users can centralized monitoring and visit running DVR data through this software ,such like real-time video, real-time GPS data, remote playback DVR terminal video data , remote download DVR terminal video data, various system alarm information, system running state, etc.

Users can get this software from the CD provided by manufacturer. Or contact manufacturer to get the newest software through Internet/web sites.

Select your familiar language to install.





Select the installation path that you want .

Setup - CMSV6		🧐 Setup - CIISV6	
Installing Please wait while Setup installs CMSV6 on your computer.			Completing the CMSV6 Setup Wizard
Extracting files C:\Program Files (x86)\CMSV6\gdiplus.dll			Setup has finished installing CMSV6 on your computer. The application may be launched by selecting the installed icons.
			Click Finish to exit Setup.
			✓ Launch CMSV6
	Cancel		Einish

You can run CMSV6 directly when installation done .Or you can run it through the shortcut icon on the desktop .The old version software should be deleted and computer system should be cleaned before you install the new version CMSV6.

2. How to use CMSV6?

Note: You can enlarge picture to view .

You can see login interface when you run CMSV6. Users need to enter the IP address, user name and password of the CMS center platform server.

Test account: User:test0~test8 Password:000000 Server:120.31.136.200

		2
	00110	14
User	test0 -	
Password		
Server	120.31.136.200 -	

You can click the setting icon on the top right corner of login interface to modify login port. Default login port is 6605.

Set			×
	Server	120.31.136.200	
	LoginPort	6605	
		OK Cancel	

You can see the client software interface after login. The top left corner has system menu. The left is DVR list that users configure in the server end .The top center is software function modules. The center is address load area. The right is video monitoring area. The bottom is PTZ and information monitoring area .



We advise user to check the system setting menu on the top left corner to learn the related content of system setup for more convenient to do the monitoring and management by using CMSV6.



There are three configurations in the system setting menu: system parameter, video parameter and map parameter

System parameter: You can configure the system display language, UI style, image capture storage location and GPS update time, default choose all on line equipment.

System Setting				(M)
System Parameter				
		Software starts automatic	cally login	
Video Parameters	Language	English 🗸		
Map Parameters 🔊	UI Style	Default 🗸		
	Exit System	Not Close 🗸	No Operation Condition	
	Image Capture	C:\GPS_DOWNLOAD\CAPTU	Browse	
	Loss time	72	H(0 indicates variable loss)	
	GPS update time	5	(unit: s):2~180	
	IO Name		Enable	
		Double click on the device	to expand the node	
		✓ Default choose all online e	equipment	
		Enable multi screen mode		
		Effective multi display		
		Display the vehicle of the	city	
		Display 809 Task Menu		
		Show:Record-File Type-Te	lool	
				Save

video parameter: You can configure the default request video stream , video buffer time ,polling duration, display most of the screen ,open the video when it start ,etc.

System Setting		×
System Parameters		
	Default request video Sub-Stream 🗸	
Video Parameters	Video Buffer Time 4 - 8 Unit:Second (2 - 20)	
Map Parameters 🕑	Polling Duration 30 Unit:Second (10 - 300)	
	Close Setting Not Close 🗸 After open talkback or monitor	
	Close Setting Not Close 🖌 After Opening video preview	
	Close Setting Not Close 🛛 No Operation Condition	
	Display Most of the screen Display 16 screen	
	Use RGB 16	
	Video without preview, can try to check this	
	Open the video while opening sound	
	Save preview picture	
	Watermark	
	Open the video when it is started	
	Use DirectDraw (Video black checked)	
		Save

Map parameter: You can configure the map type, speed unit, etc.

H.264 AHD Vehicle Surveillance System (Vehicle Internet Platform) X10 Series Manua
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System Setting		
System Parameters		
Video Parameters	Map Type google	
Map Parameters 🔊	Speed Unit km/n	
		Save

You can see equipment list on the left online equipment can be searched or selected directly. The icon of online and driving equipment will be green. The icon of not online equipment will be grey. The icon of online but speed is idling equipment will be blue.

È ∕a ₩8-861DV 	IN-TOTAL CH1 CH2 CH2 CH3 CH4	■ ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●
		CH4

You can see the equipment status and PTZ interface on the left bottom.

Through the status we can know the information of the vehicle that we have selected. Including vehicle ID, company, group, vehicle status, positioning time, location, vehicle driving speed, equipment use is normal or not. We can control the PTZ device directly through PTZ interface if remote terminal unit supports PTZ

Status	PTZ	Color	VOIP			Status	PTZ	Color	VOIP	
Name		粤B-	666DV			A			100	
Vehide ID		2016	0719			~	-/-	~		
Company		DTY	HD_MD	VR		1		-	0-	
Group		DTY	HD_MD	VR					Supervision of	12
Status		Onlin	e			A	- ·	4/	*	B
Positioning	Time	2016	-08-10	14:23:20		1	*	/	20	100
Location		22.6	83048,1	13.990818			0	_	W	<
Speed		0.00	km/h(N	orth)						
Costs		Norm	al		F	1	^	Call	Set	De
								Contraction of the		0.00

You can process the brightness, chroma and hue of the video through the color page. You can monitor terminal voice through VOIP page .You can open the intercom mode if the terminal equipment support intercom.

Status PTZ Color VOIP	Status PTZ Color VOIP
	⊙ Intercom O Monitor O Broadcast
	Ų
Default	Open

On the top center is the function module .Users can switch all kinds of monitoring mode .Selected module's background color will be high bright .Main page will show sub-function modules according to the function module you have selected .



Map: User can choose Baidu or Google map to do the positioning, tracking and monitoring of vehicle trajectory.



The whole page when you click map module.



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Video: User can real time monitoring the video.



 $\left(\right) \left(\frac{1}{2} \right) \left(\frac{3}{4} \right)$

The whole page when you click video module.



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You can switch the stream (main stream or small stream) through right click the specific channel on the left side equipment list While you using CMSV6 client software to do the video and audio monitoring.

Users can send text information by right click the relevant equipment if terminal equipment supports electronic screen.



It will pop-up relevant shortcut menu when you right click on the real-time video preview image. It can make you easily implement the functions of audio video monitoring, recording, Image rotation, display scale, etc.

You can check the OSD watermark of real time GPS data, terminal equipment current date and time and vehicle plate number on the real-time preview video image.



You can see equipment related information such like online equipment quantity, alarm equipment quantity, name of the specific equipment, positioning time, specific position, speed, status, travelled distance, video storage status, wireless network status, ACC+ and so on the CMSV6 middle bottom,

Monitor:1 Online:1 Offline:0 Alarm:0 Idling:1 ACC OFF:0 GPS Invalid:0					
Name	Positioning Time	Position	Speed	Alarm	
粤B-666DV	2016-08-17 16:36:46	22.682966,113.991095	0.00 km/h(East),Parki		
-					
-					
Ionit	oring Alarm Informa	tion 🔪 System Event 🔪 Device Reporting In <	III.	>	

Track: You can know the moving trajectory of the specific time when you search and playback the GPS information of selected terminal device.



Record: You can playback the video that stored on terminal equipment, CMS center platform server and local disk.



Manage: Provide statistic, operational management and the rules management

System View Setting	🛞 Hap 🛞 Video 🛞 Track 🎯 Recard 🛞 Other	
Statistics	u∰ □ Operations Rules	
Driving Behavior RPT	4 Ditring Beha. x	D
Driving Behavior Statistics RPT	🕼 Driving Behavior Statistics RPT	
Driving Behavior Query RPT	Inf Trace Custom Time + Start Trace/016-66-33 0:00:00 East Trace/016-66-32 32:59:99 Custom Time	
Track Speeding Summary	Vehicle Set Vehicle Structure Outer (By Vehicle - Type Collect RPT -	
 Speeding Track Detail 	Summer Cont	
1 OL and OFL RPT		
Alarm RPT	Kafik rajpie	
Mileage RPT		
P Driving RPT		
Electronic Fence RPT		
🖳 Fuel RPT		
😗 Fault Alarm RPT		
Video Alarm RPT	Inder Pater No. Pater Color Start Time End Time Speed Altern Total Time Period Overspeed Altern (platform). Total Time Vehicle (platform). Total Time Period Overspeed Altern (platform). Total Time Vehicle (platform). Total Time Period Overspeed Altern (platfor	e Driving
O Alarm RPT		
Storage Media RPT		
Device UPG RPT		
😫 Multimedia		
🔕 Data Query		
User Behavior RPT		
2 Passenger Statistics RPT		
8 Temperature RPT	Per Den 15 • 14 • Tee 1 Page Total Page • 91 S	
(1) Tire Pressure Monitoring		
	n The second se	•

Jysien nen Jeung	🛞 Hap 🕓 Video 🛞 Track 🞯 Record 💽 Hanage 💿 Other	
Statistics Op	perations Rules	
📮 Vehicle	Operations while x	D
E Device	Sel Status - Plate No,/Device No./Co. Name 4, All Vehicle MOD Co. EXP Excel	
SIM Card	Totex Plate No. Plate Type Device No. Vehicle Celor Status Company Last Time On Line Install Date Service Expirate Operate	
I Driver	III 1 44-90000 BUE Cald 20000010 🗮 NormaLune D11,740,7400K 2016-10-28 3217-46 2016-10-28 1023124 2016-07-18 O	
Insurance		
Expiration Reminder		
	Per bota 🔢 🗉 K 4 The 🖅 Page Total (Page 🕨 X) 🚳 Depleting by 1 to 1 Total of 1 Records	
* [S Sector Miller Colleged Control Facebook Patient Mill Colleged Ref. Colleged Ref.	•

System View Setting		Map 🕑 Video	🛞 Track 🔞 Record 💽 Hand	age Other	
Statistics	Operations Rules				
X Rule Maintenance		6		<u>(1)</u> (2) (2) (2) (2))
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Other applications: alarm linkage configuration, system setting, record setting, report query and so on.

CHAPTER 8: Vehicle remote management mobile

app

Users can get CMSV6 by searching it on android app store and IOS app. Android version CMSV6 also can be found in the CD disk that provided by manufacturer. Or you can ask manufacturer for Android version CMSV6. You can see client login interface when you run CMSV6 icon after CMSV6 be installed. Users need to input the CMS center platform server IP address, user name and password.

Test account:

User:test0~test8

Password:000000

Server:120.31.136.200

H.264 AHD Vehicle Surveillance System (Vehicle Internet Platform) X10 Series Manua
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(D) test0
IP 120.31.136.200
Login

User should search and select the online terminal equipment that you want to monitor firstly by the search bar after the successful login

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The software will automatically return to the map monitoring interface after the online equipment be selected. Map will show the vehicle equipment information.

It supports general map and satellite map.

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Users can switch map to video through the function bar that on the bottom. You can monitor the Realtime video, control PTZ devices, control directional, adjust the focal length and aperture here.

You can preview/stop preview video, record/stop record video, capture image, monitor voice and talk to

driver through tool bar.

Realtime traffic will display on the top of every single channel image.



You can switch it to trajectory through the bottom function bar. click the search icon to search the device you want to playback trajectory.



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Select Vehicl	e 粤B-861DV 义
Select Date	2016-08-18
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End Time	09:42:32
	Search
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Switch it to video playback through the bottom function bar. configure all the information and then search.

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<	Search Record	d	
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Start Time		00:00:00	
End Time		23:59:59	
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It will list all the video according to the information you have configured after search.

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Ś	2016-06-28 09:55:52 - 09:55:52 CH2 Normal	
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¢	2016-06-28 09:55:53 - 09:55:53 CH4 Normal	
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Мар	Video Track Playba	ack Setting

It will be full screen when you playback video GPS data, day/time of terminal equipment, plate number will display on the video image.



Switch it to setting through the bottom function bar. You can configure login account, map type(Baidu map/Google map),GPS correction, speed unit and software version here .

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