

Parameter of the Configuration
Scheme of Emergency Comm-
and Vehicle With Safety Plate

Brand: Stable License Plate

model : TYM5030XZHFTEVR Hybrid (Gasoline)



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1. Vehicle Overview

1.1. Brief Introduction

According to the technical requirements of emergency command vehicle modification, our company has designed the emergency command vehicle based on the experience of vehicle modification, including the layout of the interior, power supply, grounding design, etc. The vehicle system integration and loading equipment are safe and reliable, which can ensure the smooth execution of tasks in various environments.

1.2. Attribute

The full vehicle model is: TYM5030XZHFTHEVR Hybrid Power;

1.3. Chassis Parameters

Order number	Class	Parameter
1	Body dimensions (mm)	4965*1930*1750,2150,1950 (length x width x height)
2	Gross mass (kg)	2700
3	Preparation mass (kg)	2110
4	Wheel base (mm)	2850
5	Maximum speed (km/h)	180
6	Rated passenger capacity	5

II. Chassis Configuration

2.1. Major Dispositions

Order number	Class	Parameter
1	Engine type	A25D
2	Rated power of engine (kw)	139
3	Fuel type	Gasoline/electric hybrid
4	Displacement (ml)	2487
5	Effluent standard	Country VI
6	Gear-box	E-CVT continuously variable transmission
7	Drive mode	Front-engine
8	Four-wheel drive configuration	Electric four-wheel drive
9	Front suspension type	McPherson independent suspension
10	Rear suspension type	E type multi-link independent suspension

2.2. Detailed Configuration

Order number	Class	Parameter
1	Front directional	Have
2	Front low-beam headlights	Have

3	High beam headlights	Have
4	Fog lights	Have
5	High-level brake light	Have
6	Stoplight	Have
7	Indication light	Have
9	Back-up lamp	Have
8	Cornering lamp	Have
9	Registration mark light	Have
10	Cockpit combination instrument	Have
11	Cabin central control screen	Have
12	Multi-function steering wheel	Have
13	Central control lock	Have
14	Seat airbag for the co-pilot and the pilot	Have
15	Tire pressure monitoring	Have
16	Seatbelt reminder	Have
17	ABS Anti-lock Braking System	Have
18	Central control color screen	8 inch, touch LCD screen
19	Front and rear electric window	Have

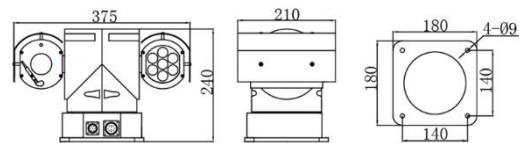
III. Modification Configuration

Order number	Modification Project	Technical Parameters/Key Features	Quantity
3.1. Interior			
	Driver's compartment	The status remains unchanged;	1 cover
	Trunk (Equipment Area)	Cabinet composition: 1、 The countertop is made of PVC panel, and the cabinet is made of metal. 2、 Do not fix. 3、 Reserve space for a high-definition car hard drive recorder.	1 cover
	Rear seats (control area)	It has a keyboard display.	1 cover
3.2. voice system			
	Alarm and light controller	Cabin control.	1 cover
	Alertor	Built-in; with voice-activated features.	1 cover
3.3. Attachment (high-definition roof pan)			
	Model	AY-TY220-YR	1 cover
	Source	DC12V (50VA)	
	Horizontal preset speed	100° /S	

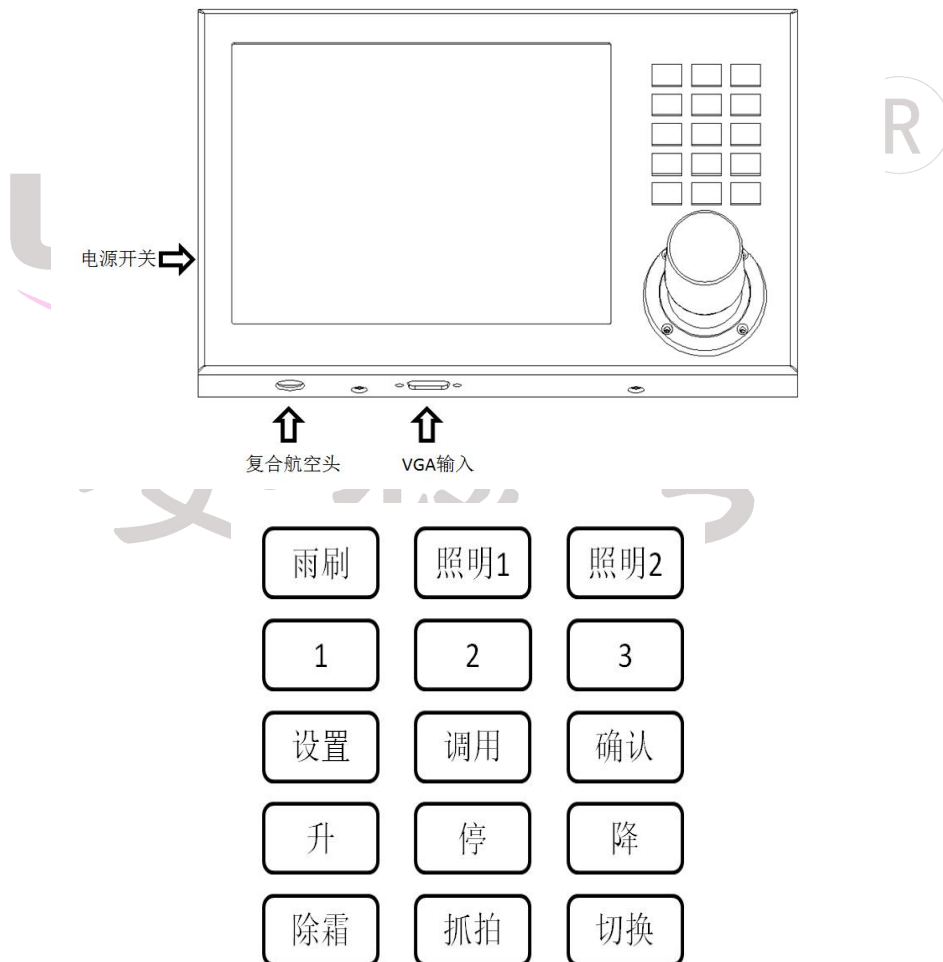
	Effective pixel	200 Wan	
	Electronic shutter	1/1s~1/30,000s	
	Anti-shake	Support	
	Levels of protection	IP66	



产品尺寸图: (单位: mm)



Keyboard display



The key descriptions are as follows:

1. Address code settings: *or ** + confirmation key

Total: 1/2/3 11/12/13 21/22/23 31/32/33, Total: 12 addresses

2. Set preset points: *or +Set key**

Total: 1/2/3 11/12/13 21/22/23 31/32/33 Total: 12 preset points

3. Call preset point: *or +call key**

4. Lighting 1:

Press to turn on the single-side light, then press to turn it off

5. Lighting 2:

Press the light on the other side to turn it on. Press it again to turn it off.

6. Up/Down/Stop:

Press to increase or decrease, long press to increase or decrease continuously, press to pause or move the joystick to stop

7. defrost :

Press the defrost button, then call the defrost heating command, and finally press the power off button.

8. Video capture/alarm:

Press to automatically capture images from the video recorder and notify the background

9. Channel switch:

Switch VGA and AV displays

10. Baud rate settings:

The system defaults to two baud rates: 2400 and 9600. The factory default is 2400. Hold the call button for 3 seconds, and the buzzer will sound twice to indicate 9600. Hold the call button for another 3 seconds, and the buzzer will sound once to indicate 2400. Both rates use the P-D protocol.

11. Mute settings:

Long press the confirmation key for 3 seconds to mute the system, then long press it again for 3 seconds to unmute.

12. Special preset command:

54/64/95 Special command invocation: Press 111+ to call, 222+ to call, or 333+ to call, respectively, for three special preset command bits.

Parameter specifications

Video in	Video in	AV/VGA	
Other interfaces	Air interface	8-pin composite interface	
Mains switch		Self locking switch	
Screen	Monitor	8-inch LED	
	Resolution ratio	1024*768	
	Luminance	350nit	
Supervisory keyboard	Rocking bar	Three-dimensional	
	Preset point	Support	
	Additional function	Controllable wipers, defogging, lighting, and lift rod	
Source	Working voltage	12V	
	Power dissipation	<6W (excluding auxiliary output)	

Work environment	Temperature	-10℃ ~ +60℃	
	Humidity	10%-95% (no condensation)	
Physical characteristics	Length	260*160*32mm	
	Weight	800g	
High-definition video recorder (GS-H8004-G/B)			
			
Superiority	1-4 channels 1080P recording	The video employs H.264 High Profile (Level 4.1) compression, delivering high-definition, full real-time recording. The audio uses G711 compression with synchronized audio and video. Supports 4-channel full 1080P real-time recording and network transmission, with dual-stream display and transmission Supports real-time recording of 4-channel HD video and 4-channel audio synchronization.	
	Smart power support	Supports wide voltage input, stable across the DC range of 8V to 36V. Fixed-duty operation with overvoltage automatic protection function. Applicable to vehicles powered by 12V or 24V. The video recorder provides a stable 12V power supply for each camera input, ensuring safety and reliability. The system supports scheduled power-on and power-off for streamlined recording management. The vehicle ignition switch controls power operation with delayed shutdown capability. It monitors battery voltage after engine deactivation, automatically entering standby mode when voltage drops below preset threshold (configurable) to prevent battery depletion.	

	Earthquake resistance system	The dual universal embrace shock-absorbing system draws its design inspiration from a mother cradling her baby on a bus. The compact design reduces the weight of the device and enhances its shock resistance.	
	Assisted Driving	Reverse video (reverse zoom video), steering assist (steering switch video for blind spot assistance)	
	GPS time correction time zone	Supports GPS time synchronization to ensure all vehicles are synchronized without errors. Support global time zones; Supports automatic daylight saving time conversion;	
	Full record of speed and driving conditions	6 The system can input the road general sensor signal, display and record the license plate, speed, brake, steering, siren and other driving status synchronously, and has many alarm linkage methods such as over-speed alarm; The GPS module records the video's location coordinates and speed data, while the PC playback interface displays real-time driving trajectory and speed.	
	Caliche	Supports 2.5-inch laptop hard drives and solid-state drives; supports hard drives with up to 2TB capacity.	

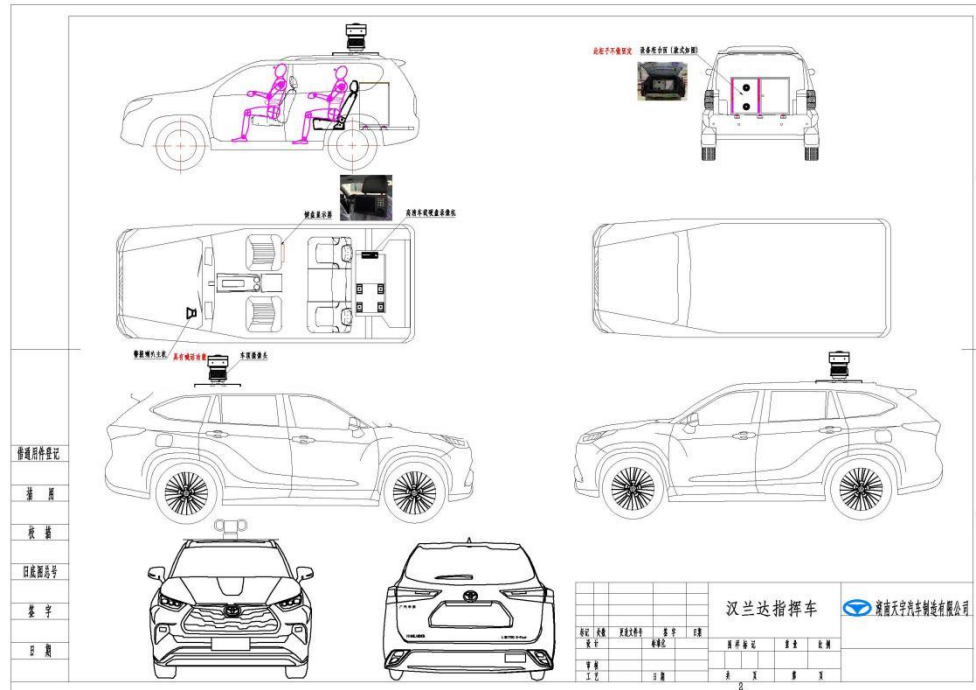
Technical parameter			
System	Operating system	Linux 2.6	
	Available machine time	<20 seconds (from power-on to video recording)	
	SL	Simplified Chinese/English (supportable languages are customizable)	
	Memory	Hard drive (up to 2TB), SD card up to 128G	
	Video system	H.264 Main/High Profile, each channel supports HD 1080p,30/720p,30/540p recording	
	Source	Input: 8 V to 36 V DC, Output: 12V/1.5A (4 channels)	s)
Video frequency	Video in	4 Supports AHD/CVI/TVI signals;	
	Video monitor 525 vidicon video out	All the way, AV+ and VGA	
	Video preview	Single screen / Four screens (page split)	
	Video stream	ISO 14496-10	
	Video resolution	1280x720	

	Video frame rate	Optional (1920x1080,1280x720,960x540)
	Video mode	Boot recording, scheduled recording, alarm recording
	Compress mode	H.264 (High profile up to level 4.1)
	Frame rate	Up to 240fps@1080p
Audio frequency	Audio input	Enable audio interface
	Audio compression standard	AAC (16bit, 48KHz)
Control	Mouse control	Support
	Cybernation	Support
	Phone control	Support
	IE	Support
Joggle	Internet access	1 (RJ-45) 10M / 100M
	USB	Supports USB2.0 external hard drives (only for SD card devices)
	Gorge line	RS-232×1
Network	WIFI	Supports 802.11b/g/n AP with a transmission speed of 300Mbps
	Protocol	TCP / IP
	3G	3G/4G (for devices supporting 3G/4G only)
	WIFI	Supports WIFI hotspot (custom)
Report to the police	Alarm input	7 1 road alarm input, 1 speed input, 1 ignition signal, 1 emergency button, 1 G-Sensor
	Alarm output	Relay output, alarm display, etc., Email
	Alarm trigger	Video loss alert, speed limit violation alert, G-Sensor collision alert, storage space alert, and motion detection
Source	Ignition switch	Ignite to start, turn off to shut down with delay
	Power dissipation	The power consumption of this device is less than 5.0W (when not powering peripheral devices such as cameras).
Surface	Size	123.0mm x 142.0mm x 60.2mm
	Weight	1.00kg
Other	Back-up	Download via WIFI or 3G/4G, supports computer copying and player backup
	Time	Built-in GPS time synchronization

	Satellite positioning	GPS/Beidou/GLONASS
	Dual stream	Set different frame rates and bit rates to control the video file size
	Reverse connection protection	Prevent overload, short circuit, and reverse connection.
	Factory data reset	Restore factory settings
	SD	Supports two high-speed SD cards
	Pilot lamp	Power, Running, Alarm, Media Access, Recording, Network, and 3G indicator lights
	Auto Cover	Overwrite?
	Lock-in time	Sync network time or GPS time
Work environment	Temperature	-30~70° C
	Humidity	5% - 95%
	Shake	< 3 Grms
	Mechanical shock resistance	< 1200 Grms
Software	Channel frame rate	1~30fps
	License plate record	Support
	USB	Support
	Camera channel naming	Support
	Digital watermarking	Support
	Schedule	Three options: h/m/d
	Image playback	You can query through time, alarm, and other methods
	Playback speed	Supports 1x to 16x fast zoom

IV. Real Vehicle Demonstration

4.1. Drawing View



安穩号



(For Reference Only. The Actual Configuration Is Subject to the Final Delivery.)

Thank You for Your Review.

