



Features

- 4CHs video recording & playback, support 720P resolution.
- Support car drive recorder function.
- Meets ISO7637-2 anti-electric disturbance standards. Stable positioning module and communication module for stable product stability
- Watermark prevents data from being tampered to ensure the veracity and the legal efficiency of the data
- Network function: Supports breakpoint retransmission, which can realize remote video surveillance, video download, remote alert, network timing, network setting and remote upgrade.
- Device upgrade: Support local upgrade and remote upgrade.
- Support multi-center access, with strong scalability
- Dynamic transmission: adaptive 3G/4G network bandwidth dynamic changes to improve video stream consistency.
- With mini size (117 × 137 × 30mm), which breaks through the limits of the industry, facilitating freight and installation.

Model

TS-820

- +A: Built-in GPS
- +B : Built-in 4G/3G
- +E : RJ45
- +W: Built-in WiFi

Specifications

Items	Parameter	Performance
System	Operation System	LINUX
	Operation Interface	Graphical menu operation interface
	File System	TES error correction encryption file management system
Video	Video Input	4CHs Independent input 1.0Vp-p, 75Ω
	Video Output	1CH PAL/NTSC output 1.0Vp-p, 75Ω, CVBS; 1CH VGA output extensible
	Video Display	1CH/ 4 CHs
	Video Standard	PAL: 25 Frames /Second; NTSC: 30 Frames /Second
	System Resource	PAL: 100 Frames; NTSC: 120 Frames
Audio	Audio Input	4CHs independent input, 600Ω
	Audio Output	1CH output, 600Ω, 1.0-2.2V
	Record format	Synchronized video & audio recording
	Audio Compression	G711A
Digital processing and storage	Video Compression	H.264
	Image Format	PAL :4*720P(1280*720)、 NTSC : 4*720P(1280*720)
	Image quality	1-8 levels adjustable (1 is the best)
	Video Bit-rate	192K-4M bps (each channel)
	Video storage	85M-1.8G Byte/hour (each channel)
	Playback Resolution	PAL : 1or4*720P(1280*720)、 NTSC : 1or4*720P(1280*720)
	Audios Bite-rate	4KByte/s (each channel)
	SD Card slot	1pc SD card storage, support max 128GB
Alarm	Alarm input	4CHs independent alert input (activated by high/low voltage)
	Alarm output	1CH alert output extensible
	Motion detection	High/middle/low sensitivity adjustable
USB	HOST	1 USB2.0 in front panel
LAN	RJ45	1 RJ45 extensible
	WiFi	Built-in WiFi module extensible (support IEEE 802.11b/g/n)
	3G/4G	Built-in FDD-LTE/TD-LTE/WCDMA/CDMA200 module extensible
GPS	GPS	Built-in GPS/ GLONASS module extensible
Other external port	TTL_UARTOutput	2 TTL_UART output (can be RS232 or RS485)
	RS232	Extensible
	RS485	Extensible
	Intercom	Extensible
	G-Sensor	Built-in G-Sensor module extensible
Others	Power supply and consumption	DC9-36V 5% ≤12W
	Operating temperature/humidity	-40°C~+70°C / ≤80%
	Size	L117*W137*H30 mm
	NW	0.35KG/ unit
	GW	0.8KG/ unit