



Specification



- H.264 Video format, Linux System, dual stream
- Each one support 128GB
- 4CH CIF, HD1, D1 real-time recording, 4CH audio synchronous recording
- Support setting time, trigger, manual grabbing JPEG picture function
- Support intercom function
- Support remote download and playback function (Video file or accurate to seconds to be optional, save the time and data)
- TES correction encrypted file management system, no video loss and protect data in 2s before sudden power off
- Support Pre-alarm record, Motion detection and alarm linkage
- Built-in 3G/4G, WIFI, GPS/Beidou/Glonass, G-sensor module to be optional
- 1 pcs RS-232, 1 pcs RS485, 1 pcs USB 2.0, 1 pcs Can 2.0B port, much extend ports
- Support outer extend, like LED screen, ID reader, Schedule monitor, Passengers statistic
- Can record speed, GPS position, acceleration, emergent brake, video rearview, swerve view, alarm etc
- DC8-36V wide range voltage supply, Aluminum shell, low power consumption

Model

TS-820 suffix

- +C : Aviation connector
- +A : GPS
- +B : Built-in 3G module
- +D : Built-in RS-232/RS-485
- +G : Internal G-sensor module
- +H : 2 way talk

Product parameters

| Itmes | Equipment parameter | performance standard |
|--------------------------------|------------------------------|---|
| System | Operation System | Embedded, LINUX |
| | Operation Interface | OSD graphical interface |
| | System File Type | TES special error recovery file management system |
| | System Access | Password access |
| Video | Video input | 1-4CH independent input 1.0Vp-p, 75Ω |
| | Video output | 1 channel PAL/NTSC output, 1.0Vp-p 75Ω, composite video signal |
| | Video display | Single or Four images |
| | TV system | PAL : 25fps, NTSC : 30fps |
| | System resources | PAL : 100 frames, NTSC : 120 frames |
| Audio | Audio input | 4CH independent input, 600Ω |
| | Audio output | 1CH output, 600Ω, 1.0-2.2V |
| | S/N ratio | ≤-30dB |
| | Audio record method | Audio and video synchronization |
| | Audio compression | ADPCM |
| Digital processing and storage | Video format | H.264 |
| | Image format | PAL : 4*CIF (352*288), 4*HD1 (704*288), 4*D1 (704*576) NTSC : 4*CIF (352*240), 4*HD1 (704*240), 4*D1 (704*480) |
| | Image quality | 1-8 levels, adjustable |
| | Video code rate | CIF : 24K-112KByte/s (per channel), HD1/D1 : 24K-192KByte/s (per channel) |
| | Video storage occupation | CIF : 85M-394MByte/hour, HD1/D1 : 85M-675MByte/hour |
| | Playback resolution | PAL : 1or 4*CIF (352*288), 1or 4*HD1 (704*288), 1or 4*D1 (704*576) NTSC : 1or 4*CIF (352*240), 1or 4*HD1 (704*240), 1or 4*D1 (704*480) |
| | Audio code rate | 4KByte/s (per channel) |
| | Audio storage occupation | 14MByte/hour (per channel) |
| | SD storage | 2 x SD card slot, each support 128GB max |
| Alarm port | Alarm input | 4CH alarm independent input (under high electrical level) |
| | Alarm output | 1CH alarm output (no touch circuit) |
| | Motion detection | "High, mid, low", adjustable |
| USB port | HOST port | 1 at front panel, to connect external U-disk for video backup or software upgrade |
| LAN port | Cabled network | 1x extendable RJ45 port, video check via cabled network |
| | WIFI wireless access | Support built-in WIFI modules (IEEE 802.11b/g/n), enable remote view and download etc |
| | 3G network | Support built-in WCDMA or EVDO module, enable remote view and download etc |
| GPS port | GPS | Support GPS or Glonass modules, enable remote vehicle positioning and tracking |
| Extension ports | RS232 port | Extendable, enable connection to external devices |
| | RS485 port | Extendable, enable connection to external devices or PTZ control |
| | Two way talk | Extendable, enable two way talk between DVR device and monitoring center |
| | G-Sensor | Support internal G-sensor modules, enable gravity sensor of vehicle |
| | CANBUS | Support built-in CAN-BUS modules, enable communications with vehicles for functions control |
| Others | Power consumption | DC8-36V 5% ≤12W |
| | Working Temperature/Humidity | -20~ +85°C |
| | Clock | Built-in clock, and calendar |
| | Product size | 154 (L) * 190 (W) * 52 (H) mm |
| | Package size | Per unit : 220*110*175mm 10 units : 580*465*200mm |
| | Net weight | 0.9KG per unit |
| Gross weight | 1.1KG per unit | |



Specification



- H.264 Video format, Linux System, dual stream
- Support 2.5 inch HDD, Max 1TB, and HDD &SD dual Storage
- 4CH CIF, HD1, D1 real-time recording, 4CH audio synchronous recording
- Support setting time, trigger, manual grabbing JPEG picture function
- Support intercom function
- Support remote download and playback function (Video file or accurate to seconds to be optional, save the time and data)
- TES correction encrypted file management system, no video loss and protect data in 2s before sudden power off
- Support Pre-alarm record, Motion detection and alarm linkage
- Built-in 3G/4G, WIFI, GPS/Beidou/Glonass, G-sensor module to be optional
- 1 pcs RS-232, 1 pcs RS485, 2 pcs USB 2.0, 1 pcs Can 2.0B port, much extend ports
- Support outer extend, like LED screen, ID reader, Schedule monitor, Passengers statistic
- Can record speed, GPS position, acceleration, emergent brake, video rearview, swerve view, alarm etc
- DC8-36V wide range voltage supply, Aluminum shell, low power consumption

Model

TS-610 suffix

- +C : Aviation connector
- +A : GPS
- +B : Built-in 3G module
- +D : Built-in RS-232/RS-485
- +E : Lan RJ45
- +F : SD card port
- +G : Built-in G-sensor module
- +H : Voice intercom
- +K : Can bus +W : Built-in wifi

Product parameters

| Itmes | Equipment parameter | performance standard |
|--------------------------------|------------------------------|---|
| System | Operating system | Embedded Operating System LINUX |
| | Operating interface | Visualized Menu Interface |
| | File system | TES error correction encrypted file magement system |
| | System privileges | Password Controlls |
| Video | Video Input | 1 to 4 Channels Independent Input 1.0Vp-p,75Ω |
| | Video Output | 1 channel PAL/NTSC Output, 1.0Vp-p, 75Ω, composite video signal |
| | Video Display | 1 or 4 Screen Display |
| | Video Standard | Video Standard PAL : 1-25frames/sec, NTSC : 30frames/sec |
| | System Resources | System Resources PAL : 100 frames, NTSC : 120 frames |
| Audio | Audio Input | 4 channel independent input, 600Ω |
| | Audio Output | 1 channel Output, 600Ω, 1.0-2.2V ≤-30dB |
| | Distortion plus noise | ≤-30dB |
| | Record mode | Sound and Image Synchronization |
| | Audio Compression | ADPCM |
| Digital processing and storage | Video Stream Standard | H.264 |
| | Image Format | PAL : 4*CIF (352*288), 4*HD1 (704*288), 4*D1 (704*576) NTSC : 4*CIF (352*240), 4*HD1 (704*240), 4*D1 (704*480) |
| | Image Quality | 8 Grades Free to Choose |
| | Video Stream Bitrate | CIF : 24K-112KByte/s/channel, HD1/D1 : 24K-192KByte/s/Channel |
| | Video Storage Occupation | CIF : 85M-394MByte/hour, HD1/D1 : 85M-675MByte/hour |
| | Playback Resolution | PAL : 1or 4*CIF(352*288), 1or 4*HD1(704*288), 1or 4*D1(704*576) NTSC : 1or 4*CIF(352*240), 1or 4*HD1(704*240), 1or 4*D1(704*480) |
| | Audio Stream Bitrate | 4KByte/s/Channel |
| | Audio Storage Occupation | 14MByte/hour/Channel |
| | Harddisk Storage Available | 1 SATA port, 2.5 inch SATA Harddisk, support maximum1TB |
| | SD card Storage available | Extensionable one SD storage port, support maximum 64GB |
| Alarm port | Alarm Input | 4 Channel Independent Alarm Input (effective only with high level signal) |
| | Alarm Output | 1 Channel Alarm Output (dry contacts output) |
| | Motion Sensor | High level, intermediate, low level Sensitivity free choice |
| USB port | HOST Port | USB port on front panel and back panel for backup and software upgrading |
| LAN port | Wireline Access | Extensive RJ45 lan port for monitoring and downloading |
| | Wifi Wireless Access | Built-in WIFI (support IEEE 802.11b/g/n) for monitoring and downloading |
| | 3G network | Built-in WCDMA/EVDO module to realize remote monitoring etc |
| GPS port | GPS | Built-in GPS/Beidou Navigation/Glonass positioning module for vehicle tracking |
| Extension ports | RS232 Port | RS232 is an extensionable docking port to integrate with our equipments in car |
| | RS485 Port | RS485 is an extensionable docking port to intergate with other equipments or control the PTZ |
| | Two-way voice intercom | Extensionable voice intercom port to realize the talk between the car end and the center |
| | G-Sensor | Built-in G-sensor function, can realize gravity detection |
| | CANBUS | Built-in CANBUS module to communicate with vehicle system and get relevant parameters |
| Others | Power Consumption | DC8-36V 5% ≤12W |
| | Working Temperature/Humidity | -20~+85°C / ≤80% |
| | Clock | Built-in Hardware clock, perpetual calendar |
| | Product Size | 212 (L)*210 (W)*68 (H)mm (including the standard base support) |
| | Package Size | Unit set : 295*240*100mm, 10 sets : 505*310*500mm |
| | Net Weight | 1.9KG (not including harddisk)/set |
| | Gross Weight | 2.2KG (not including harddisk)/set |