v. **H.265/H.264 compression mode, multi-stream recording. It can support up to 8 channels of 1080P HD video input (8 channels of 1080P real-time AHD HD input / 8 channels of AHD HD analog input + 1 channel of IPC HD network video input); Monitoring/recording/playback supports 1080P/720P/D1/optional, frame rate and image quality adjustable;**

vi. **1 channel video output (CVBS SD/AHD HD optional)**

vii. **Support 5 audio inputs (including 1 MIC intercom input), 2 audio outputs (one of which supports built-in power amplifier, output power 1W/8Ω)**

viii. **External pickups and speakers, which can be used for monitoring, TTS broadcast and intercom functions; External pickups and speakers are also available as an option**

ix. **Professional ultra-wide on-board power supply design, 8~36V/12~110V DC wide voltage input optional; Overload, undervoltage, short circuit, reverse connection and other protection circuits, suitable for various vehicles including forklifts, special vehicles and so on;**

x. **Provide DC12V and DC5V power output, which can supply constant voltage power for multiple peripheral devices such as cameras and small screens;**

xi. **SSD HDD/HDD (different models) + SD card to record data (up to 2T 2.5" HDD, up to 2 large-capacity SD**

xii. **card), professional shock-absorbing structure design and airtight design, which can resist data damage caused by vibration, dust, etc., so that the product can adapt to the harsh road conditions that most products cannot adapt;**

xiii. **Watchdog abnormal restart function protection, which can better protect the machine and video recording;**

xiv. **The exclusive pre-allocated vehicle-mounted special file system technology solves the problem of file fragmentation caused by repeated erasure, solves the problem of memory file system crash, data loss, memory inability and file garbled characters, and ensures the stability and integrity of data;**

xv. **Flame-out time-lapse recording function (time can be set up to 24 hours);**

xvi. **Power failure protection function in case of accident: using special UPS technology, the machine can still work normally for 8 to 11 seconds when the external power supply (including backup battery) is completely cut off, so as to ensure the integrity of the video file and facilitate accident inquiry;**

xvii. **Automatic recording, manual recording, alarm recording and other recording methods to meet the needs of different scenarios;**

xviii. **Display and record vehicle information such as vehicle driving status, license plate, route, speeding, etc., which is convenient for management;**

xix. **Built-in G-SENSOR module, which can realize automatic alarm upload of abnormal vibration, rollover, impact, and emergency braking**

xx. **Support BD/GPS/GLONASS/Galileo positioning system, support global positioning; With RTK, RCA and other high-precision positioning modules to achieve high-precision positioning;**

xxi. **Integrated 5G/4G module (optional); Modules of different national frequency bands can be selected to achieve global network transmission; Remote support for audio and video**

xxii. **Monitoring, two-way voice intercom, remote PTZ control, manual alarm, overspeed alarm, out-of-bounds and line deviation alarm;**

xxiii. **Optional WIFI module; IT ALSO SUPPORTS AP/STATION MODE. AUTOMATIC DATA BACKUP IS SUPPORTED IN STATION MODE AND CAN BE USED IN AP MODE**

xxiv. **Use the O&M app connection for debugging and maintenance**

xxv. **Support mobile phone remote monitoring, support mobile phone intercom call function; Support SMS configuration parameters and obtain device information;**

xxvi. **10 alarm inputs (2 analog + 8 IO alarm inputs) (various types of door opening, lighting, steering, braking, reversing can be configured),**

xxvii. **4-channel alarm output, support linkage sound and light alarm, oil and power cut-off**

xxviii. **Support 1 USB 3.0 port, backup data and device upgrade**

xxix. **It has 2 CAN interfaces, 4 RS232 (3 can be connected to peripherals) and 1 RS485 interface**

xxx. **Support alarm input local automatic photo function, can save at least 2000 pictures**

xxxi. **A variety of AI algorithms can be integrated; Including: ADAS, DMS, BSD, 360 panorama, HOD, passenger flow statistics, airtight and other algorithms**

xxxii. **It supports TTS voice function and can expand the bus station reporting function**

xxxiii. **Support the Ministry of Transportation's ministerial standard agreement, as well as local landmark agreements; Expandable gimbal control, fuel sensor, LED advertising screen, etc.;**

xxxiv. **The whole machine has a high-reliability design, which can realize continuous monitoring in the environment of -30°C~70°**

xxxv. **Software upgrade can be carried out through SD card/OTA remote automatic upgrade, and the partition backup technology is used to upgrade without crashing;**

xxxvi. **It adopts all-aluminum alloy shell, which has a firm structure and good heat dissipation. Dimensions: 186mm*53mm*174mm**

xxxvii. **Support Chinese (simplified and traditional), English, Russian and other Chinese languages, and can be customized in batches according to customer requirements;**

xxxviii. **H.265/H.264 compression mode, multi-stream recording. It can support up to 8 channels of 1080P HD video input (8 channels of 1080P real-time AHD HD input / 8 channels of AHD HD analog input + 1 channel of IPC HD network video input); Monitoring/recording/playback supports 1080P/720P/D1/optional, frame rate and image quality adjustable;**

xxxix. **1 channel video output (CVBS SD/AHD HD optional)**

xl. **Support 5 audio inputs (including 1 MIC intercom input), 2 audio outputs (one of which supports built-in power amplifier, output power 1W/8Ω)**

xli. **External pickups and speakers, which can be used for monitoring, TTS broadcast and intercom functions; External pickups and speakers are also available as an option**

xlii. **Professional ultra-wide on-board power supply design, 8~36V/12~110V DC wide voltage input optional; Overload, undervoltage, short circuit, reverse connection and other protection circuits, suitable for various vehicles including forklifts, special vehicles and so on;**

xliii. **Provide DC12V and DC5V power output, which can supply constant voltage power for multiple peripheral devices such as cameras and small screens;**

xliv. **SSD HDD/HDD (different models) + SD card to record data (up to 2T 2.5" HDD, up to 2 large-capacity SD**

xlv. **card), professional shock-absorbing structure design and airtight design, which can resist data damage caused by vibration, dust, etc., so that the product can adapt to the harsh road conditions that most products cannot adapt;**

xlvi. **Watchdog abnormal restart function protection, which can better protect the machine and video recording;**

xlvii. **The exclusive pre-allocated vehicle-mounted special file system technology solves the problem of file fragmentation caused by repeated erasure, solves the problem of memory file system crash, data loss, memory inability and file garbled characters, and ensures the stability and integrity of data;**

xlviii. **Flame-out time-lapse recording function (time can be set up to 24 hours);**

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lviii. **Support mobile phone remote monitoring, support mobile phone intercom call function; Support SMS configuration parameters and obtain device information;**

lix. **10 alarm inputs (2 analog + 8 IO alarm inputs) (various types of door opening, lighting, steering, braking, reversing can be configured),**

lx. **4-channel alarm output, support linkage sound and light alarm, oil and power cut-off**

lxi. **Support 1 USB 3.0 port, backup data and device upgrade**

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