DUNLOP

FR/O 4726J PKII Y Mobile NVR

Introduction:

Adopting embedded Linux operating system, the "FR/O 4726J PKII Y" series dedicated Mobile NVR (Network Video Recorder) provides powerful monitoring functionalities, including audio and video encoding & decoding, 3G & Wi-Fi wireless network transmission, satellite positioning service, secure data storage, hard disk vibration damping. It can both work alone as a recorder and cooperate with other devices to build a comprehensive surveillance system.
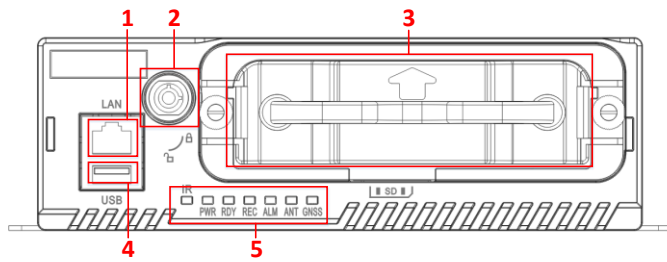
Thanks to the features of high stability, easy-to-carry and low power consumption, the FR/O 4726J PKII Y Mobile NVR is widely applied to the surveillance projects of public transportations, school buses, etc.

Main Features:

- User-friendly GUI providing easy and flexible operations
- Pluggable 3G (WCDMA) module providing flexible data transmission solutions
- Pluggable GPS (Global Positioning System) module precisely positioning the vehicle via the satellite and recording the location information in the video stream
- Hikvision private protocol (4000 protocol) and ONVIF supported
- 4 independent network interfaces connectable to 4 IP cameras; each channel supports up to 1080P resolution with H.264 encoding technology
- 2-ch CVBS video outputs
- 1-ch VGA video output at up to 1920×1080 resolution
- Two pluggable 2.5-inch HDDs/SSDs, adopting hard disk vibration damping technology
- Information collection interfaces collect driving information such as left/right turn, braking, backing up, etc.
- Hard disk box with USB interface supports intelligent temperature control and data export
- Specialized aviation plugs ensure signal stability
- Built-in G-sensor detects and records acceleration speed information in 3-axial (X, Y, Z) directions
- Delay (0 h to 6 h) shutdown and 24-hour scheduled startup/shutdown
- Wide-range power input (+ 8 VDC to + 36 VDC)
- Power-off protection prevents key data from loss
- Aluminum die-cast chassis with no fan design well adaptable to working environment
- Software-based firewall supported
- Connectable to PTZ camera and PTZ control is supported
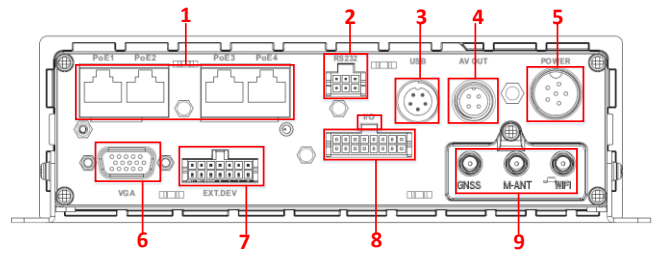- Support accessing via WEB browser

Physical Interfaces:

Front Panel

No.	Name	Description
1	LAN	1 RJ45 10M/100M self-adaptive PoE interface.
2	Hard disk lock	Lock/Unlock the hard disk box.
3	Hard disk box	Insert two 2.5-inch SATA HDDs/SSDs for data storage.
4	USB	USB 2.0 interface
5	Indicators	IR: IR receiver Receive IR signal from remote control
		PWR: Power indicator Lights green after device starts up; Lights red when device is standby.
		RDY: Ready indicator Lights green after device starts up properly.
		REC: Record indicator Lights green when recording.
		ALM: Alarm indicator Lights red when alarm occurs.
		ANT: ANT indicator Solid green indicates dialing module is normal. Flashing green indicators device dialed.
		GNSS: GNSS indicator Solid green indicates GNSS module is normal. Flashing green indicates positioning succeeded.

Rear Panel

No.	Name	Description
1	PoE1 to PoE4	PoE interfaces connectable to IP cameras, providing the power supply
2	RS232	RS-232 interface
3	USB	USB interface, 5-pin aviation plug
4	AV OUT	4-pin aviation plug for audio & video output; providing 12 VDC power supply.
5	POWER	6-pin aviation plug for power supply and start control
6	VGA	VGA interface
7	EXT. DEV	10-pin aviation plug for RS-422 interface, two-way audio interface, and video output
8	I/O	Alarm input/output interfaces
9	GNSS	GNSS antenna interface
	M-ANT	3G antenna interfaces
	WIFI	Wi-Fi antenna interface

Specifications:

Model	F R/O 4726J P KII Y	
Video/Audio input	IP video input	4-ch
	IP audio input	4-ch
Video/Audio output	VGA output interface	1-ch VGA interface
	VGA output resolution	1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
	CVBS output resolution	PAL: 704 × 576, NTSC: 704 × 480
	CVBS output interface	1-ch aviation plug (1.0 Vp-p, 75 Ω)
		1-ch RS-422 interface (EXT.DEV interface)
Video/Audio Decoding	Video compression	H.264
	Audio compression	G.711
	Resolution	1080p and 720p
	Frame rate	25 fps (PAL)/30 (NTSC)
	Playback	Local playback: single channel playback; Web playback: single channel playback and multi-channel synchronous playback.
Hard disk	Hard disk	two 2.5-inch SATA HDDs/SSDs
Wireless Network	3G Dialing	1 external antenna and 1 standard SIM/UIM card slot.
	Wi-Fi	1 external antenna
Positioning	GNSS interface	GPS and optional BDS (BeiDou Navigation Satellite System). 1 positioning antenna.
External interface	Sensor-in	4 high/low level signal inputs; 1 pulse signal input (reserved)
	Alarm input	3 high/low level signal inputs
	Alarm output	2 relay signal outputs
	Network interface	1 RJ45 10M/100M self-adaptive Ethernet interface.
	Serial interface	1 RS-232 interface. 1 RS-422 interface, including reserved auto announcer interface.
	USB interface	2 USB2.0 interfaces.
	POE supported	4 RJ45 10M/100M self-adaptive PoE interfaces.
	Two-way audio	1-ch, G. 722
General	Operating system	Embedded Linux operation system
	Operating method	Local operation, IR remote control, Web operation
	Power supply	Input: +8 to +36 VDC; Output: +12 VDC/2 A, +5 VDC/1 A
	Consumption	Standby: Max. 0.5W; Full load: Max.20W (without IP cameras or hard disks)
	Working temperature	- 10° C to + 55° C (+1 4° F to + 131° F) with industrial-class HDD. **Note**: for enterprise-class HDD, when the temperature < 0° C, the heater for hard disk is needed.
	Working humidity	10% to 95%
	Dimensions (W×D×H)	1 DIN: 178 mm × 170 mm × 50 mm (7.01" × 6.69" × 1.97")
	Weight (without hard disks)	< 1.6 kg (3.53 lb)