

Features

- H.264 video compression technology
- Supports 4 channels real-time D1 @ (30 FPS/Channel)
- Dual streaming transfer for each channel provides excellent recording
- Supports remote live view auto download and remote playback
- Built-in, 802.11G Wi-Fi and optional 3G for wireless transmission
- Built-in GPS allows for vehicle tracking
- Watermark and time/date stamp in exported videos
- Mirror recording with SD card
- Can be mounted vertically or horizontally

Model DTX-2-DVR also includes:

- Mounting brackets and hardware
- DVR lock keys
- IR remote control
- GPS antenna
- Wi-Fi antenna



How to Order

Model Number	Description
DTX-2-DVR	DVR, 64GB SSD, 4 channel real-time D1 @ (30 FPS/ Channel), built-in Wi-Fi and GPS

Specifications

System	OS	Linux 2.6 (providing standalone stable operation system)
	Operation Interface	Hand-held, IR controller with on-screen display (OSD) for all operations of the DVR
	Storage	64 GB Solid state hard drive
	Signal System	NTSC/PAL
Video	Input voltage	8V-36V, DC
	Camera Input	Up to 4 cameras
	Display	2 images
	Image Quality	8 – level adjustable
	Fwd/Playback speed	x2, x4, x1/2, x1/4
	Stream Standard	ISO-14496-10
	Record Resolution	CIF (352x288 pixels for PAL, 360x240 pixels for NTSC), 1/2D1 (704x288 pixels for PAL), 720x240 pixels for NTSC), D1 (720x576 pixels for PAL, 720x480 pixels for NTSC)
	Image Compression	H.264
	Max FPS	Up to 4 Channels real-time D1 @ 30 FPS
	Display Res.	TV Monitor 704x576 pixels for PAL at D1 / 720x480 pixels for NTSC at D1, 720x576 pixels for PAL at D1 / 704x480 pixels for PAL at D1
	Audio	Audio Input
Audio Output		2 (mono)
Audio Compression		ADPCM+G.726 (8 kbps)
I/O Interface	TV-OUT	2 Composite outputs with BNC connectors
	LAN	1 (RJ-45) 10M/100M Ethernet connector
	USB	2, support USB OTG Technology (USB 2.0)
	Serial	RS-485x1, RS-232x1
Network	Protocol	TCP/IP

continue on page 4



The following tables describes the connectors and LEDs found on the front and rear of the DVR.

Item	Name	Description
A/V Output	Audio-Out	Audio Output
	Video-Out	Video Out
LED	HTR	Heater LED, designed to monitor the heater status, it will operate when the temperature around the HDD is under or equal to 5°C, LED will be on. As soon as the temperature rises 20° the heater will go off and the LED will turn off.
	SD	Flashes when the internal SD Card reader is performing Read/Write activities.
	REC	Flashes when the DVR is recording.
	GPS	Flashing when the DVR is getting GPS signal.
	NET	On when the Ethernet cable is plugged in and such cable is connected to a router, indicating the port is active.
	POWER	Indicates whether the DVR has power or not. On when power is supplied.
	HDD	To indicate the Read/Write activity of the installed HDD.
	ERR	If the-DVR has errors such as no HDD, the LED will flash.
IR Receiver	IR	To receive the signal from Handheld IR remote controller.
	System Information	DEBUG
USB Interface	USB2.0	Used for firmware upgrade and data backup purposes.
Network Connector	Ethernet	10/100 Network port
Lock	LOCK	Mechanic-electronic switch to lock and keep the HDD tray in place, sending the signal to the DTX-2-DVR to turn-on when in Lock position.

Item	Name	Description
Wi-Fi ANT connector	Wi-Fi	To connect the WIFI antenna (when applies)
GPS ANT connector	GPS	To connect the GPS antenna (when applies)
3G ANT connector	3G	To connect the 3G Network antenna (when applies)
Power input	POWER	To connect the power plug.
MCU upgrade port	MCU	To upgrade the MCU board (at factory)
Network port	NET	10/100 Ethernet port (sharing the connection with front-panel's RJ45)
Integrated input	DB26	RS-232, RS-485 and alarm input
Input and Output	DB44	A/V input and output and alarm output Power supply for camera
USB port	USB	Professional 6PIN cable to USB port (used at factory only)

DTX In-Car Video Digital Recorder System Contents



64GB Solid State HDD



DVR Power Input Cable Assembly



Two DVR Mounting Brackets



DVR Hardware Mounting Kit



Two DVR/HDD Lock Keys



DVR Remote Control



GPS Antenna



Wi-Fi Antenna



USB 2.0 Cable



64GB Solid State HDD with removable hard drive

DTX In-Car Video - Digital Video Recorder

Alarm	Input	7 Total inputs (all of them can be customized)
	Multi-mode	Triggered by "video loss", "over-speed", "over temperature" and other events
	Ignition Switch	Device operate once ignition power on/auto shutdown delay after ignition power off
	Power Consumption	Average 10W (with HDD)
	Power Adapter	8-55V DC, Typical 12V DC @ 5A, 24V @ 3A
Value-added Function	Record Mode	Manual, event, pre-event and post recording
	Others	
	HDD	HDD Bay – 1, NVRFS format
	Time Clock	Built-in clock, perpetual calendar
	GPS function	Built-in module with GPS antenna
	Wireless Communication	3G/EDGE/GPRS/CDMA wireless transmission with external option
	Data R/W mode	FIFO
	Time Synch	GPS time synch/NTP (network time protocol) time synch via network connection
Environment	Operating Temperature	0° to 55° C (32° to 131° F) built-in heater included
	Relative Humidity	5%-95%
	Vibration Resistance	<2 Grms

Shipping Weight

5.5 lb (2.5 kg)

Physical Dimensions

Height	2.3 in (5.9 cm)
Width	9.7 in (24.7 cm)
Depth	6.9 in (17.3 cm)