

FEATURES

- 8"High Brightness TFT LCD with Touch Screen
- 4CH Each D1 Recording
- IP67 Waterproof
- GPS & G.Sensor Motion Detection Support
- CDS Auto Brightness Control
- 4 SD Card (Anti-Shock & Easy Data back-up)
- High-Sturdy Aluminum Case
- 4 Trigger inputs
- Emergency Back-up Battery (20 Min)
- Easy Installation
- Various Recording Mode
(Resolution, Bitrate, Framerate)
- Playback Speed Control for Fast search with various search functions(Time bar, Calendar, Event)



Recording Frame Rate

NTSC	Resolution	CIF	Half D1	D1
		352X240	720X240	720X480
	fps	120	120	120
PAL	Resolution	CIF	Half D1	D1
		352X288	720X288	720X576
	fps	100	100	100
Function		Duplex	Duplex	Duplex

4CH Recording Time

Video Format	Video Quality	Resolution	Bitrate	Recording Time			
				32GB	64GB	96GB	128GB
NTSC (4channel)	High (D1)	720 x 480 (30fps)	2Mbps	10h 40m	21h 20m	32h	42h 40m
	Medium (Half D1)	720 x 240 (30fps)	1Mbps	18h 40m	37h 20m	56h	74h 40m
	Low (CIF)	352 x 240 (30fps)	512kbps	39h 10m	78h 20m	117h 30m	156h 40m
PAL (4channel)	High (D1)	720 x 576 (25fps)	2Mbps	10h 10m	20h 20m	30h 30m	40h 40m
	Medium (Half D1)	720 x 288 (25fps)	1Mbps	17h 30m	35h	52h 30m	70h
	Low (CIF)	352 x 288 (25fps)	512kbps	36h 40m	73h 20m	110h	146h 40m

Basic Accessories



Sun visor



Camera cable



Power&GPS, A/V cable



Angle Mount Type

Optional Accessories



Free Mount Type



SD Card



GPS Antenna

Specifications

Operating system		Embedded Linux
Video/Audio Codec	Video	H.264 Main Profile@Level 4.1 (or lower)
	Audio	AMR Codec
Video In / Out Channel		<ul style="list-style-type: none"> • Camera In : Composite NTSC, PAL • CVBS OUT : NTSC, PAL
Audio In / Out Channel		<ul style="list-style-type: none"> • Camera mic input 4CH • Audio Output 1CH (RCA) • Built in Speaker : 1.2W
Display		Built in 8"±High brightness TFT LCD (800 x 480) WVGA (Touch Screen Display)
Recording Performance (NTSC/PAL)		120fps D1 encoding + 120fps D1 decoding@NTSC 100fps D1 encoding + 120fps D1 decoding@PAL
Recording File		<ul style="list-style-type: none"> • Resolution : D1 / Half D1 / CIF • Bitrate : High / Middle / Low • Framerate : select 4 step (NTSC:15f/20f/25f/30f PAL:10f/15f/20f/25f)
Recording Mode		<ul style="list-style-type: none"> • Normal Rec • Continuous Rec • Motion defect • Event Rec (Parking) • Door Sensor • Security Mode (Parking)
Playback & Search		4 Channel Record File, Video Capture Image Search and Play
Picture Viewer (Album)		JPEG image player support
Storage		32G X 4 Slot / Total 128GB
Watermark		Support Digital watermark
Camera loss Detection		Warning message on the LCD or Blue back Display When loss detect occur
Auto-Brightness		CDS (Night & Daytime Brightness detection)
Firmware upgrade		Support by SD Card
GPS		Vehicle tracking (Google Map)
G. sensor		Support (Event Rec)
Trigger		4 Trigger input (Brake, Reverse, Left, Right)
Emergency Back Up		20 Min Back up battery (2400mA / h)
Power		DC 10V ~ 30V (12V — 1.5A)
Waterproof		IP67
PC Player		Support OS : Windows
Operating Temperature & Humidity		-20 ~ 65°C, 20 ~ 90%
Storage Temperature & Humidity		-30 ~ 85°C, 20 ~ 90%
Certification		CE, FCC, KC, E-mark, WEEE, RoHS