



4 CH GPS DVR with HDD Caddy

Vehicle Surveillance



NEW 2012 APR. V1.0

SA-650HD SA-650HD-3GA (3G Module)



- Provide Video output for playing-back mode in mainframe.
- Recording format: D1 and CIF
- Support 1CH Audio Input.
- User friendly player software, easy to operation.
- Overall quick search event log.
- The full recording time and date can be showing in the monitor directly.
- Wide range voltage design.
- Auto recording after power supplied.
- Removable HDD Track compatible with 2.5" HDD or SSD.
- Provide 4 sets of alarm input ports, built-in buzzer.
- Firmware can be upgraded via USB port.
- Support recording audio, video, G-sensor and GPS data at the same time.
- Optional 3G module, for real time monitoring the driving statue, or talk to driver (SA-650HD-3GA)

SA-650HD / SA-650HD-3GA

4CH GPS DVR with HDD Caddy Vehicle Surveillance



HDD Mobile Rack to USB Adapter (optional)

Model: FUM-T12



ITEM	HDD Mobile Rack to USB Adapter
USB Spec	USB2.0
HDD Interface	2.5"SATA
SIZE	92mm x 47mm x 22mm (W x D x H)
Weight	173g(with USB Cable)

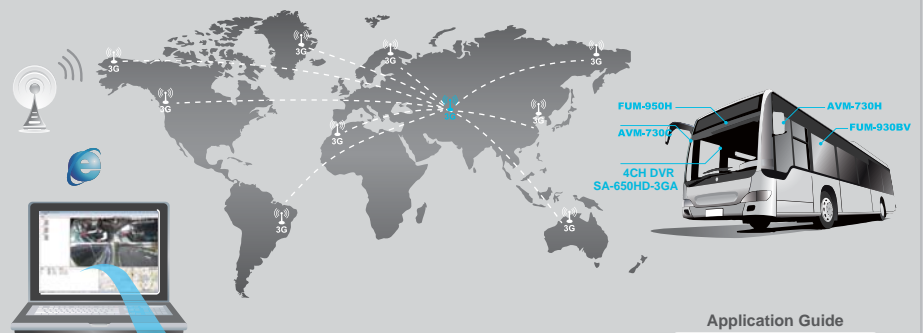


SPECIFICATIONS

	NTSC	PAL
Video Format		
Video Input	4CH Input / BNC	
Audio Input	1CH Input / Harness Connector	
Video Output	1CH Output /BNC	
Audio Output	1CH Output /RCA	
Alarm Input	4 Alarm Input	
Alarm Output	Buzzer	
Display Mode	Full Screen, 4 Split, Auto-Switch	
Display Resolution	720 x 480	720 x 576
Recording Resolution	D1	720 x 480
	CIF	360 x 240
Recording Frame	Max. 120 FPS	Max. 100 FPS
Compression Format	H.264 Technology	
Operation System	Embedded Linux Kernel	
Simplex	Record / Playback	
Recording Mode	Real Time Recording	
Delaying-record function after power off	15/30/60/120 Minutes	
LED Indicator	Power, HDD	
Event Mode	Alarm Trigger / Video Loss	
Playback Mode	Normal Speed x1	
	Search Function: Time / Event	
Network	3G module (SA-650HD-3GA)	
GPS	GPS(optional)	
Storage Type	2.5" HDD	
Firmware Update	USB	
Multi-Language	English / Traditional Chinese / Others (Customizable)	
G Sensor	G Sensor	
Operation	IR Remote Controller	
Power Supply	DC 8V~ 28V	
Dimension	180mm x 210mm x 58mm (W x D x H)	
Weight	3Kg (with bracket without HDD)	
Operation Temperature	-20°C ~ +65°C (Inside Vehicle)	

★Version updating is not going to inform, please check the on-going updating information

Vehicle Tracking Management System



3G operating management system



Application Guide



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