TECHNICAL SPECIFICATION

ITEM DESCRIPTION

VIDEO

Input Channel 2 CHANNEL

Input impedance 75 ohm Unbalanced

Input Format PAL/NTSC (Auto Detection), Composite

Maximum Input 1.0Vp-p @ 75 Ohm Unbalanced

Output Channel 1 Ch.(PIP Support)

Output impedance 75 ohm Unbalanced

Output Format PAL/NTSC (according to Input), Composite

Maximum Output 1.0Vp-p @ 75 Ohm Unbalanced

Perform high quality deinterlacing for arbitrary format of interlaced

Deinterlace video input

RECORDING

Encoding H.264

File Format SFR (Proprietary Format)

Video Recording Resolution

Format	PAL	NTSC	
4CIF	704x576	704x480	
CIF	352x288	352x240	

Video Recording Quality

Qulity	Highest	High	Normal	Low	Lowest
4CIF (kbps)	1700	1700	1500	1200	1100
CIF (kbps)	1400	1400	1100	900	650

Video Recording Frame Rate

NTSC	30/10, 15/15, 10/10, 3/3, 1/1 fps
PAL	25/8, 12/12, 8/8, 3/3, 1/1 fps

Recording MODE Continuous Recording / Emergency / Schedule / Alarm / Shock-Sensor

Decoding Video Format As recorded Quality & Frame Rate

Pre-recording Time Max. 5sec@Normal Mode Recording

Storage Support SD, SDHC(2~32GB, More than Class4)

Storage File System FAT16, FAT32(recommended)

Allocation Unit Size` 32Kbytes(recommended) @2GB-32GB SD/SDHC

Maximum Recording File 5,000 files

AUDIO			
Compression Format	8KHz, 16bit Mono PCM		
Input Channel	2 Ch. Mono		
Input impedance	4.7K ohm typ.		
Maximum Input	1.2 Vp_p @ Audio Input Level 1(Menu)		
Output Channel	1 Ch. Mono, Unbalanced		
Maximum Output	13mW@RL =16ohm, Unbalanced		
ALARM			
Input	4 Ch. TTL(Internal pull-up), 40V max.		
Output	1 Ch. TTL(Open Drain), 15V max. 500mA max.		
OPERATING MODE			
Operating Mode	Normal Mode: Live/Playback/Menu/Search/Record		
	Parking Mode: Record Only		
VIEWER SOFTWARE			
Monitoring Environment	Client S/W		
File Convert	AVI(Audio video interleaving)		
I/O			
	28pin Pluggable Header Connector		
I/O	(Video out 1CH, MIC in 2CH, Speaker out 1CH, Alarm in 4CH, Alarm		
	out 1CH, RS485, Emergency REC, Power Control)		
Camera	8pin Pluggable Header Connector (Video input 2CH, Camera power		
_	output 2CH)		
Power	4pin Pluggable Header Connector (DC input, Battery input)		
SD Slot	1Port, SD Card Slot		
OTHERS	10/1 15D (D		
LED	4 Status LED (Power, REC, Fault, GPS)		
Remote Control	1 IR Receiver		
Shock Sensor	3-Axis Shock Detection		
POWER			
Input Voltage Range	Main(DC): 10 to 15VDC(@9.5VDC Cut off)		
	Battery: 12 to 15VDC (@12VDC Cut off)		

Normal Mode: Approx. 300mA @ 12VDC (750mA max. initial peak

Power Consumption current @ 12VDC)

Standby Status on Parking Mode: Approx. 6mA @ 12VDC

Input power bypass @ 10 to 15VDC, 900mA max.

Camera Power Output Power is supplied to camera only on normal and wakeup mode.

ENVIRONMENTAL

Operating Temperature $-20 \sim +60 \,^{\circ}\text{C}$

Humidity 30 ~ 80 %RH (non-condensing)

PHYSICAL

Dimension 120(W) x 78(L) x 29.5(H) mm

Weight Approx.205g

ACCESSORY

Remote Control Supplied

SD Memory Card Option

GPS Antenna F1-110G Model Only

I/O Wire Harness Supplied(Receptacle to wire)

Camera Wire Harness Supplied(Receptacle to wire)

Power Wire Harness Supplied(Receptacle to wire)