





SJ-KV204

HIGH RESOLUTION TOUCH SCREEN

CAR DVR



Quick Guide

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Feature

- With a 120-degree ultra wide angle lens, compare to the similar models in the industry, with more 15% wide visual range
- Using touch screen to make it designed for seamless interaction between humans and machines
- Video recording, photograph, mute function, emergency records are completed in easy and quick action
- With 2.4-inch large display screens, screen masking frame design, high resolution and all information and functions to be clear and understandable.
- Screen Sleeping Mode, the driver avoid the interference from screen brightness
- Equipped with a 1/4 "HD CMOS high resolution sensor, to be provided with the 1080P Full HD and 720P HD high resolution, induction lighting changes between day and night, automatically adjust the sensor value, enhance the video effect.
- 5 pieces of multilayered glass lenses, image capture images hyper-realistic; exclusive Anti-Glare design, enhance the video effect



- Digital Zoom, which provides 4 times optical zoom supports all video and photo mode operation
- Built-in 3G-SENSOR , automatic detect the x axis, y axis and z axis 3-dimensional space of gravity change, also providing emergency protection function of video anti-writing protection; when there was a serious hit , the G-Sensor automatically detect and start the video anti-writing protection features, full protection of crucial files and records.
- Supports optional external GPS Speed Camera Detector, it makes the alert and displayed on the screen of the information, such as the speed camera locations, speed limits, current speed and coordinate, to enhance vehicle detection protection, reduce the chances to get the penalty.
- Loop recording function, automatically overwrite last record files
- With seamless video recording features, ensure that complete records zero latency
- The delay start feature to prevent the instant current pulse circuit damage the product, increase product life.
- Start the engine and automatically recording, switch the engine off and automatically delayed power off the device to ensure complete emergency record file



- Recording mode and playback mode synchronized video output , compliant with in-vehicle AV equipment.
- Support up to 32GB Micro SD card (please use 4GB the above grades)
- Built-in microphone, record high quality audio
- This product is RoHS and through Taiwan BSMI, FCC and CE international safety certificates



Caution

- We recommend that you set up all of the options of this product priority, avoid to operate this product while driving, keep driving safety
- Please keep the camera lens clean, not with fingers and substances such fat containing or water to contact lenses, resulting in dirt and hazy mist or a halo effect, resulting in reduce video quality; recommended to clean the lens with lens wipe cloth regularly, to maintain the high quality video, and do not use toilet paper or paper to wipe the lens to avoid scratching the lens.
- Please use a Micro SD card (at least 4GB above, recommended Class6 rating above), using a Micro SD card for the first time, please do the format after turn on the device, to ensure the storage card in the normal use.
- properly maintained and keep wipe the car thermal insulation, to enhance the video resolution
- If your vehicle is not often used and long exposure to the outdoor, it is recommended that you remove this product from the car and to install it while driving, to enhance product life.



Product Appearance



1	2.4" Touch Screen Display	6	140 Wide angle lens
2	Car Charger Input Port	7	Micro SD slot
3	Switch on/off (Press 3 seconds to be forced shutdown)	8	GPS Speed Camera Detector connector



4	AV OUT	9	The second camera port
5	Mounting Bracket Slot		

Accessory

				
Mounting bracket	Car Charger	External Camera	External Cable	User Manual CD



Operation

Take out the device from the gift box · insert the SD Card · connect the Car Charger to car cigarette lighter ignition then the device start function.

Please use the proper SD Card (please use 4GB the above grades and use above Class6) · push the SD Card into the slot according to the direction · until it make a "click" sound, the installation completed ; it want to take the SD Card out, only push the SD Card into the slot slightly · it automatically pops up and can be removed easily ° (During recording the video, photo snap, and playback · please do not remove SD card · not only resulting files are corrupted · but also cause the device not functioning)





Mounting the Bracket

Accessory mounting bracket can be sucked on the front windshield · to make sure fix the device firmly · Please take the following steps to fix bracket with the device

- A. Inset the bracket buckle into the slot of the back-clip (as the below image)·
- B. After the combination of the bracket, Recommend to sock the bracket on the front windshield behind the rear-view mirror
- C. Find the suitable position to mount the device · Press down the fixed pole on the bracket sucker, make sure again that all components combined well and sucked firmly.














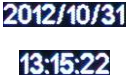



Function Setting— Video Recording Mode



Touch the center of the screen to start or to stop the recording

	Recording Mode		Main Menu
	Recording Indicator (blink)		Single/Dual Display
	Activate auto collision detection · file not over-writing		Audio Recording
	Video time		Manual activate collision detection



	Focal adjustment		Date/Time
	GPS completed and speed detect (Optional , comply with SJA GPS Speed Camera Detector)		Activate Motion Detection
	Zoom in / Zoom out		



Funtion Setting—Video Replay Mode



	檔案重播模式		下一個檔案/快轉
	目前檔案編號		上一個檔案/快退
	目前檔案屬性 (保護、防寫或一般)		停止播放
	進入主選單		檔案播放/暫停
	目前檔案錄影解析度		刪除選項
	目前檔案儲存日期與時間		



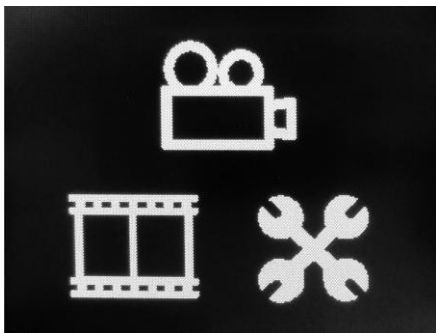
Function Setting—Video Replay Mode

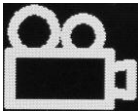
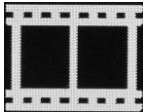
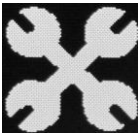
—Delete Selection





Main Menu

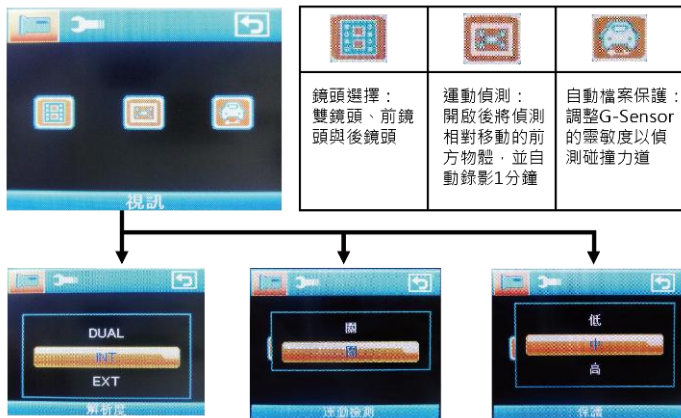


	Recording		File Replay
	System Set Up		



System Set Up

(1) Video Set Up





General Setting



	現在時間設定		電視輸出： AV OUT 輸出格式設定，台灣請用 NTSC
	螢幕休眠： 計有四種選項，螢幕休眠後輕觸螢幕可開啟		恢復出廠預設值
	按鍵提示音		格式化(SD 卡)
	語系選擇： 共有十種語言可調整		版本資訊
	頻率： AV OUT 輸出頻率設定，台灣請用 60Hz		觸控螢幕校準



Version

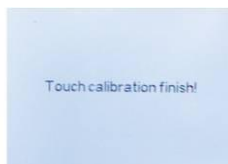
After the firmware version is displayed, click on the screen back to recording display (Subject to the actual version).



Screen calibration

Calibration the accuracy of the touch screen · Operation as follows :

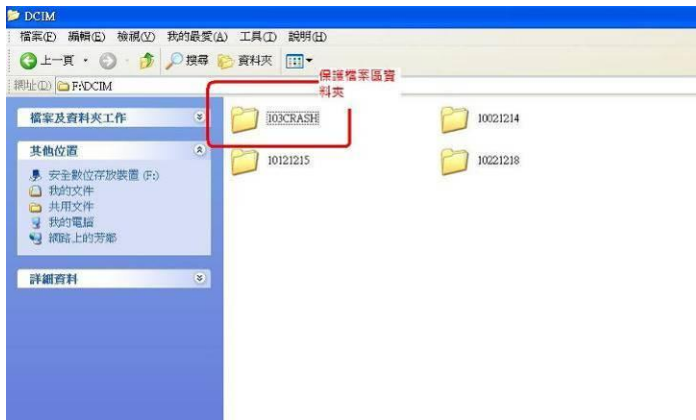
1. Please touch Top-Left red point
2. Please touch Bottom-Right red point
3. Finished





Emergency Event Protection

This device has the G-sensor automatic collision detection ·
to start the file Write-protect function · Also provides user manual
touch emergency protection ; pressing this function while
recording · the key graphics will appear at the top left corner of
the screen the key graphics will appear, emergency protection
file length is the length of the current recording file plus 30
seconds recording file length after triggering the protection
function , protect the files not being overwritten
by the loop recording function · the files will be saved in the SD
card to the separated "CRASH" folder. (as the below image)





G-Sensor gravity sensor: automatically detects vehicles collisions and forced protect files

In the system set up > in video options, G-sensor (accelerometer) sensitivity set default value to "middle" (which means in activate and normal sensitivity), the actual effects are as follows:

- (1) Automatically record emergency events, log files, file protection function as the previous statement.
- (2) Adjust the sensitivity in according to the driving condition · Such as high or low sensitivity · for adjusting the sensitivity value of the auto collision detection.



Video Output connect to TV

Using USB cable (optional) · follow the below instruction to connect , please note that after connecting to TV, the screen on the device will not display any video.





Specification

顯示螢幕	2.4吋TFT-LCD高畫質彩色液晶螢幕	
影像感光 元件	1/4" HD CMOS 影像晶片	
廣角鏡頭	第一鏡頭	140度廣角鏡頭/6片複合式玻璃鏡頭/F=2.2
	第二鏡頭	120度CCD紅外線鏡頭(夜視)
錄影解析 度	雙鏡頭	1920×540 / 24fps
	第一鏡頭	7280×720 / 30fps
	第二鏡頭	640×480 / 30fps
重力感測 器G-Sen sor	內建線性加速度計(3軸)	
錄影影像 格式	AVI (H.264)	
語言	1)繁體中文 2)簡體中文 3)英語 4)俄文 5)西班牙 6)德文 7) 日語 8)韓文 9)義大利文 10)法文	
儲存裝置	SDHC(最大支援至32GB)至少4GB Class6 (請勿使用轉卡)	
音訊裝置	內建麥克風與喇叭	
電源輸入	12~24V車用充電變壓器(5V/ 1A)	
電池	內建鋰聚合物電池：200mAH/3.7V	
傳輸介面	2.5mm phone jack—AV OUT(選購)	
	GPS定位測速警示連接孔(選購)	
操作溫度	-10°C~60°C	
儲存溫度	-20°C ~ 70°C	
機身重量	69.8g	
外型尺寸	80(L)*33(H)*65(W)mm	