VS-125

Wireless Camera Hunter

1.2GHz - 2.4GHz - 5.8GHz Full band video scanner

User's Manual

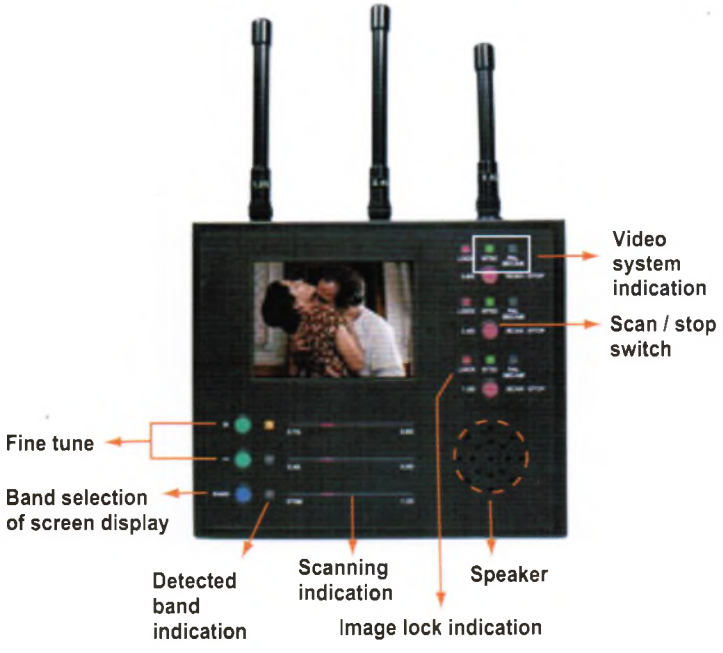
Thank you for purchasing the Wireless Camera Hunter. Please first read over this manual for proper use, save this manual and keep it handy.

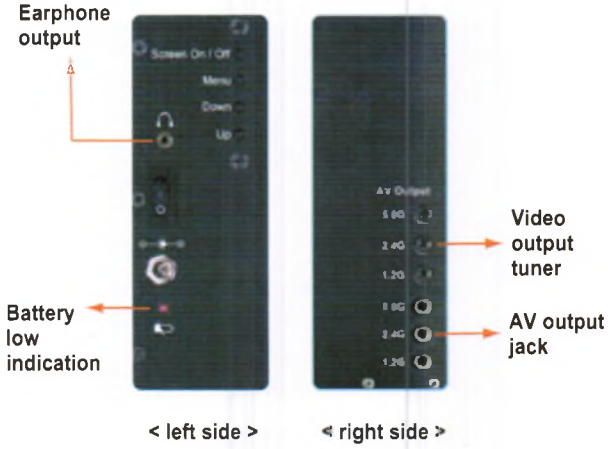
General

This new breakthrough video scanner covers three frequency bands: 1.2 GHz - 2.4 GHz - 5.8 GHz. The unique 5.8 GHz scanning technology makes this device the only one of its kind.

This detector detects and displays multiple hidden wireless cameras in multiple frequency bands up to 300 feet (depending on output power of source transmitter). It scans 1.2 GHz, 2.4 GHz and 5.8 GHz three frequency bands synchronously in 30 seconds.

Specially designed for easy and simple use. Does not require complicated installation or any professional knowledge.





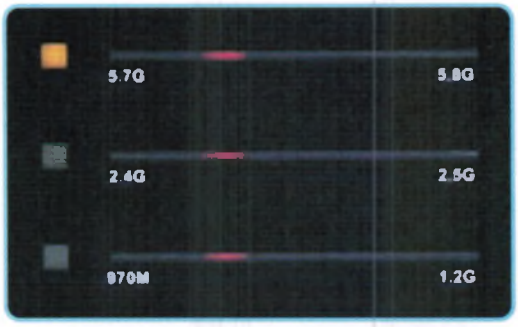
INCLUDES

1. Video Scanner.
2. 3 x Detachable SMA Antenna.
3. External Power Adaptor.
4. 3 x AV output cable.
5. Rugged Carrying Case.

How to operate

1. This device might need a short time to warm up under cool weather. If the screen appears verticle lines when switch on, please wait several seconds then it will become normal after warm up.

2. Turn on the power switch and this device will start auto scanning.

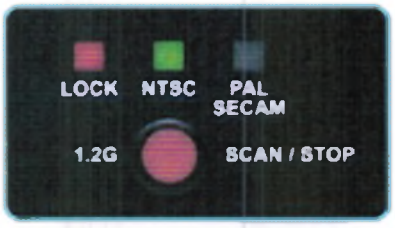


3. There are 3 rows red LED in the below of the screen, they are "Scanning indication".

4. The red LED of scanning indication will shuttle to-and-fro showing the scanned frequency division.

5. When this device detects a wireless camera signal, the correspondending "Band indication" (yellow LED) will light up and the screen will show the image.

6. There are 3 sets of "Image lock and indication" in the right side of the screen.

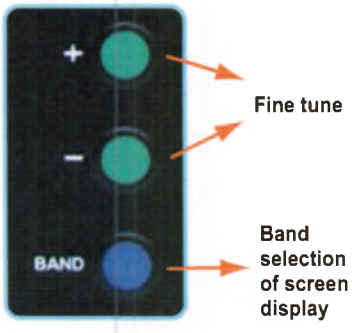


Press the "Scan / Stop" button of the correspondent band once to latch the image and the red Lock LED will light up.

The scanning indication (red LED row) of the locked band will stop moving, but the scanning indication (red LED row) of other unlock bands will keep shuttling to-and-fro.

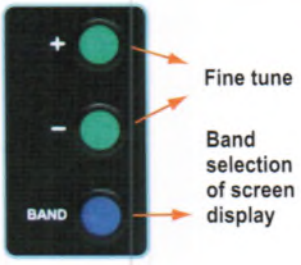
7. The Video system indication (green LED) will light up at NTSC or PAL/SECAM to indicate the detected signal is NTSC or PAL/SECAM.

8. If the wireless camera also sending audio signals, the speaker will play the sounds.



9. Press "Fine tune" buttons (+ -) to adjust the screen image.

10. The Band indication (yellow LED) will stay at the locked band and the screen will show the image of lock band.



11. Press the “band selection button” to shift the screen to other unlocked band. If this device detects wireless camera signal in other band, the screen will appear the image.

12. Press the Scan / Stop button of the correspondent band once to latch the second detected image and the red Lock LED will light up.

13. The scanning indication (red LED) of the second locked band will stop moving, the scanning indication (red LED) of other unlock band will keep shuttling to-and-fro.

14. This device can lock the image of the 3 frequency bands at the same time. Press band selection switch to shift and watch the screen image of different frequency bands.

POWER SAVING MODE

Press and hold the "Band selection" button and then turn on the power, VS-125 will enter power saving mode. The LCD screen will first light up in blue then light off.

When VS-125 detects video signals, the LCD screen will light up and display the caught video image.

Audio / Video Output

There are 3 AV output jack in the right side. Connect the A / V output cables with DVR to record the scanned audio and video signal of the 3 frequency bands individually.

The DVR should have audio input to enable the audio recording. And only the displayed frequency band could record the audio.

In the upper side of the AV output jack, there are 3 Video output tuners for adjusting the output video image of the 3 frequency bands in order to match the connected DVR.

< right side >

LCD monitor control buttons

There are 4 buttons in the left side of front view: Power - Menu - Down - Up

1. Press “POWER” to switch Off / On the LCD monitor.

2. Press” MENU” Key get into OSD (On-Screen Display) control:

   Contrast, Brightness, Hue, Color, Sharpness, Volume

3. Press ”UP” and ”DOWN" to increase or decrease the setting.

Audio demodulation

1. This device has audio demodulation covering the most popular frequencies. The available audio demodulation frequencies are as follows.

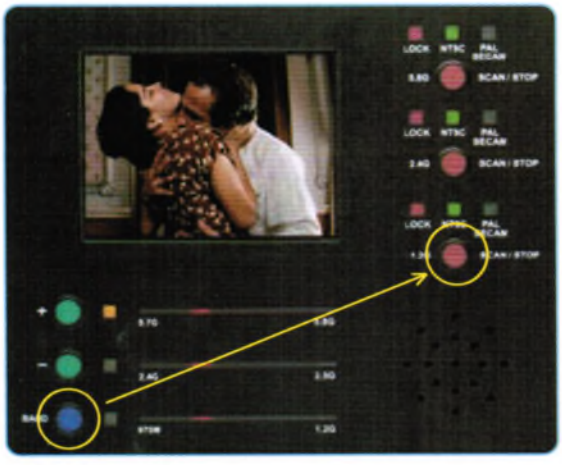
NO.	Wireless camera Frequency band	Audio frequencies		
		6.0 MHz	6.5 MHz	5.5 MHz
1.	1.2 GHz	V (default)	V	V
2.	2.4 GHz	V (default)	V	V
3.	5.8 GHz	V	V (default)	X

2. When this device detects wireless camera signals, hold the Band selection button and press the Scan/stop switch of selected band (1.2 GHz or 2.4 GHz or 5.8 GHz) once to shift the frequency of audio demodulation.

3. For example, the default audio demodulation of 1.2 GHz band is 6.0 MHz, after above step 2., it will shift to 6.5 MHz. Repeat the step 2., the audio demodulation will shift to 5.5 MHz. Then back to 6.0 MHz → 6.5 MHz → 5.5 MHz in a cycle.

   * The audio demodulation of 5.8 GHz band has 2 frequencies only: 6.5 MHz and 6.0 MHz.

4. After turn off the power of this device, the audio demodulation will return to the default frequency.



Hold the Band selection button and press the Scan/stop switch of selected band once to shift the frequency of audio demodulation.

Low battery warning

When the "battery low" indication lights on, it means the battery is running down. Please connect the switching power adaptor to recharge the battery and this device will keep detecting.

It will take about 36 hours to full charge the battery if this device is working (power ON). It will takes only 8 hours to full charge the battery if this device is power OFF.

If you are not going to use this device for a long time, please check the battery power every 2-3 months. If the battery runs down, connect the AC adaptor to recharge the built-in rechargeable battery for eight (8) hours. This will ensure longevity of the battery and also prevent damage to unit due to battery deterioration.

Notice of use

1. Unauthorized repair or disassembly of this device will void all the warranties.
2. Avoid water.
3. Do not store this device in an excessively hot place.
4. Avoid knocks or dropping this device.

Specifications

Dimension	L 19 x H 14 x T 4 cm (antenna length not included)	
Weight	about 860g (including rechargeable battery)	
Power	1. Switching power adaptor 2. Built-in rechargeable battery	
Battery life	Normal mode: about 40 minutes after full charge Power saving mode: about 70 minutes after full charge	
Detecting Frequency	1.2GHz, 2.4GHz, 5.8GHz three frequency bands	
Monitor	3.5" High resolution LCD, Color or B/W camera compatible	
Scan indication 1	NTSC or PAL / SECAM Video format indication	
Scan indication 2	Scanning LED indication x 3 for 3 frequency bands	
Warning mode	1. Acoustic display 2. Silent detection through earphone	
Scanning band	1.2GHz - 2.4GHz - 5.8GHz three bands synchronous scanning	
Monitor display	1. Auto band switching 2. Band selection switch for manual band change	
Audio demodulation	1.2 GHz band	6.0 MHz → 6.5 MHz → 5.5 MHz
	2.4 GHz band	6.0 MHz → 6.5 MHz → 5.5 MHz
	5.8 GHz band	6.0 MHz → 6.5 MHz
Audio / Video output	AV outputs x 3 for 3 bands synchronous recording, with 3.5mm Video/Audio output jack x 3 (for recording)	
Detecting Distance	Up to 300 feet (depending on output power of source transmitter)	

* The detecting distance will be varied depending on the type and output power of signal sources.
* Specification may change without notice.

WARNING

Use this device as an auxiliary, supplemental help or aid to prevent the risks caused by video signal transmission. This device does not take the place of all the supervisions. Performance of this Radio frequency (RF) product will be affected by the circumstance of use. The producer and marketing group accepts no liability for any loss or damage by malfunction or misuse.

CE

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NOTICE OF BATTERY

1. When the battery runs down, If the switch still keeps at "on", the battery will be over discharged and will damage the battery. Please set the on/off Switch at "off" and connect the power adaptor to charge this unit for 8 hours.

2. Battery will be over charged if you keep on charging it without using that will also damage battery. The producer and seller accept no liability for the damage caused by the over discharge or charge.

External battery for longer operation of VS-125

An extra battery cable for user to connect a 12V battery to extend the operation time.

Reference information of 12V battery
http://www.yuasa.com.tw/_english/03_vrla/01_list.php?TID=1

Model	Voltage (V)	Capacity(AH)	Dimensions (mm)	Weight (kg)
NP2.3-12	12	2.3	L178 x W 34 x H 64	0.9
NP4-12	12	4	L 90 x W 70 x H 105.5	1.6

Approx. operation time of VS-125

Model	Voltage (V)	Capacity(AH)	Screen On	Power saving
Inside Battery	12	0.7	40 min.	70 min.
NP2.3-12	12	2.3	120 min.	210 min.
NP4-12	12	4	220 min.	380 min.