SMART GUIDE

ELS-1000
Quick Manual

ELIM CO., LTD

Components

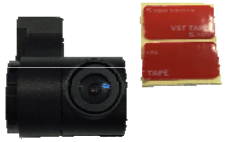
Basic components

- As SD Card and other components except the main body are consumables, they are not provided free of charge even within the warranty period. (However, they can be replaced within 14 days after the date of purchase.)
- The photos of the components may be different from the real components. Depending on the circumstances, some components may be changed or added.
- Purchase enquiries: Please purchase them through the customer center or the home page.

BLACK / RED

Main Body

* Basic micro 5-pin terminal



Front camera
(Adhesive tape)

Camera cable (3M)

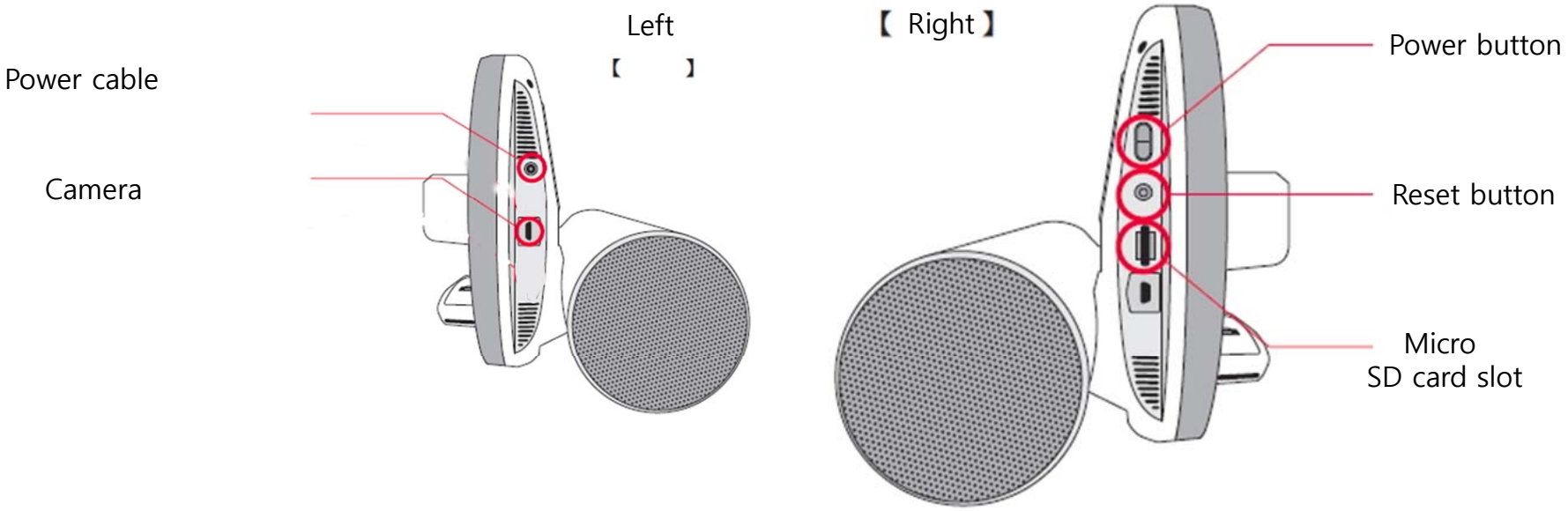
Power cable

Instruction
manual

SD Card (16GB)

Names of each component

Names and functions of each component



Functions

- Power adaptor: DC 12V / 2A (The power cable AV 100V ~ AV240V can be used.)
- Front camera: Connect the HD 30Fps (1280x720p) high-definition image transmission cable.
- Power button: Power ON / OFF function
- Reset button: This function initializes the condition when the product is not in normal operation. (It is used in emergency case.)
- Micro SD Card: Video image storage memory (The basic memory 16G is provided. Maximum support: 32G.)
  (Only the Class 10 products are used. The performance of UHS-1 and UHS-2 products is not guaranteed.)

Product Features

Functions and Features of the Product

Calling Play Music Stop Music	Sound up	Sound down	Recording	Mute
			REC	

Functions

- **Calling:** It is a function of a call received in a condition in which the Bluetooth is connected.
  Play Music/ Stop Music: It is a function of playing the music which is stored in cell phone./Stopping the music.
- **Sound up/down:** It is a function of adjusting the sound of the Bluetooth speaker.
- **Recording:** Recording function. (If you press the Recording, the Touch LED changes to RED and camera images are recorded.)
  Touch LED status: RED (Recording), RED flickering (EVENT recording), BLUE (No recording) -> Refer to changes in LED status.
- **Mute function:** It is a mute function of the Bluetooth speaker.

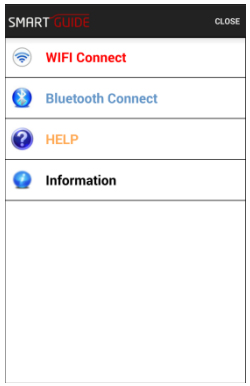
<Other functions>

- **When the Bluetooth is not well connected**: If you keep pressing the "Calling " key for over 6 seconds, the Touch LED flickers (for about 5 seconds) and the Bluetooth function is initialized. So, you can connect the Bluetooth again.
- **When WIFI is not connected well:** IF you keep pressing the "Sound down" key and the "Recording" key at the same time for over 5 seconds, the Touch LED flickers (for about 5 seconds) and the WIFI function is initialized. So, you can connect the WIFI again.

Function setup

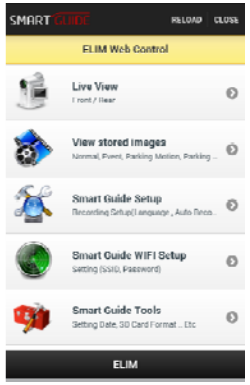
- The formal app for this product is provided through Google Play Store / App Store. (Search 'SmartGuide')

WIFI connection

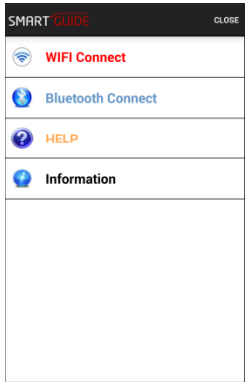


Initial password
: '12345678'

Web connection



Bluetooth connection

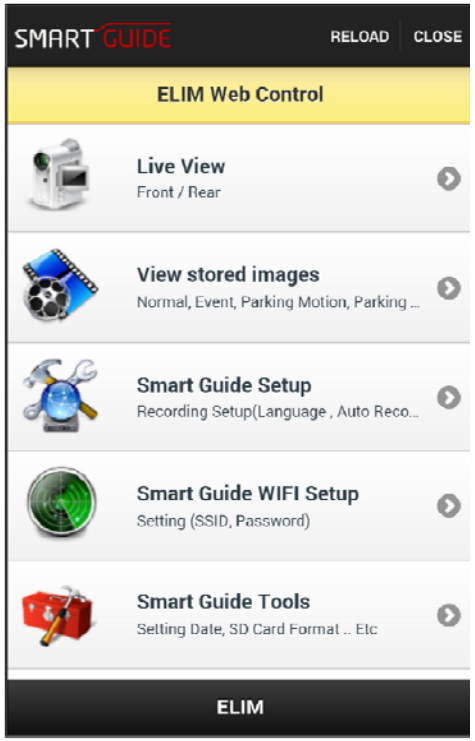


Check connection status

Function

- ❖ WIFI Connect : It is a function of connecting the web server by setting WIFI connection.
- ❖ Bluetooth Connect : It activates the docking audio system/hands-free function by connecting the Bluetooth.
- ❖ HELP : Product inquiries and after-sales services
- ❖ Information : Application Version

Explanation on Viewer Function



Menu	Explanation on functions
Live View	You can view images on a real time basis, which are being captured with the camera.
Save Video Play	You can play saved images with a smart phone.
Smart Guide Setup	You can set up recording and park modes.
Smart Guide WIFI Setup	You can set up WIFI including SSID and Password.
Smart Guide Tools	You can check date, time, SD Card format, terminal status and so on.
Information	You can check the terminal version.

Instructions

- It is possible to play recorded images and set up other things by activating "WIFI Connect" through Smart Guide App.
- The Live View screen is shown in a small frame **for stable recording and actual images are recorded in the 30 frame.**
- If you chose "Live View", recording automatically starts even though you do not press the recording key. Save Video Play , Smart Guide Setup, Smart Guide WIFI Setup, and Smart Guide Tools can be used only after recording is completed.
  In order to do recording again after using Save Video Play, Smart Guide Setup, Smart Guide WIFI Setup, and Smart Guide Tools, press the recording key or select Live View.
- **If WIFI Connect is activated,** it is impossible to connect the network depending on the existing network access environment. Only Smart Guide Web connection is possible.
  (In order to activate the existing network, deactivate the WIFI Connect of 'Smart Guide'.)

Other details

- The LED indicator lamps of this product change depending on circumstances.

Status	3-color LED	Touch LED
Under booting	RGB sequential flickering	RB sequential flickering
Basic status	G	B
Bluetooth	B	B
Hands free	P	B
WIFI	R	B
Normal recording	G	R
Impact recording	Current status	R flickering
Park recording	OFF	R
Error	R flickering	R flickering
Bluetooth + WIFI	P	B
Bluetooth + Recording	B	R
Hands free+ Recording	P	R
WIFI+ Recording	R	R
Bluetooth+ WIFI + Recording	P	R
Update	R + G + B	R + B

R : RED, G : GREEN, B : BLUE, P : PINK

Instructions

❖ When updating firmware, Red, Green, and Blue is indicated. The power should be "ON" for at least 4~5 minutes.
❖ If Any status does not correspond to the LED indicator lamp of this product, initialize the 'Reset Button' of the product before using it. (If the problem is not solved, contact our customer service center.

SPEC

CPU	Cortex-A8 up to 800MHz
OS	Linux
Camera(with SerDes)	Frame rate : HD 30fps Image sensor : Zeeann 1/3" ZA10S20 HD 720p Active Pixel : 1280(H) * 720(V) pixels Output Format : CCIR601, YUV Operating Temp. : -25°C ~ 70°C Security LED : RED FOV : 125
Wireless Connectivity	WIFI: 802.11 b Mode , BT: BLE
Frequency Range	WIFI: 2412MHz~2462MHz, BT: 2402MHz~2480MHz
External GPS	UBX-G7020, Multi-GNSS engine for GPS
Storage	Micro SD CARD 8 ~ 32GB, Default 8GB 이상
Sensor	3-axis MEMS motion sensor, Temperature Sensor
Speaker	4ohm 3W * 2CH
Display	3 color LED * 8, Touch LED 5EA
Color	Black, Red, Gold
Operating Temp	Guarantee : -10°C ~ 50°C
POWER	DC 12.0V, 2A
KEY(Touch)	TACT SW : POWER, RESET TOUCH : VOLUME UP, VOLUME DOWN, REC, MUTE, INCOMMING CALL TOUCH LED(RED,BLUE BOTH)

Customer Support and After-Sales Services

If this product breaks down, visit the following ELIM customer service center or a delivery service center for after-sales services.
Before getting after-sales services, read carefully once again the following contents and the scope of the warranty specified in the Product Warranty.

- ❖ Our product is designed to use recorded/saved images at the time when impact is given at home or against a vehicle, or an accident or incident happens. However, it is not guaranteed that all of images are recorded/saved.
- ❖ The ELIM Customer Service Center is open from 9 a.m. to 6 p.m. on weekdays.

Location of ELIM Customer Service Center

(Please visit our homepage to refer to updated information.)

Head Office(Factory): ELIM BLDG. 50, 155 Bun-gil, Industrial Road, Gwonseon-gu, Suwon-si, Gyeonggi-do.
TEL : 031-257-7157, FAX : 031-257-7159, www.elimopt.co.kr
(Please visit our homepage to refer to updated information.)

Delivery address

Head Office(Factory): ELIM BLDG. 50, 155 Bun-gil, Industrial Road, Gwonseon-gu, Suwon-si, Gyeonggi-do.

- When receiving delivery, be sure to refer to the delivery receipt form on the homepage.
  If you don not use the same form, it may be difficult to do precise analysis.
- When receiving delivery, use KG Yellow Cab delivery service.
  If you use other delivery services including EMS, additional charges may be added.

Product Warranty

Model	Smart Guide	Date of purchase	
Model code	ELS-1000	Customer name	(☎.)
Serial No.		Purchaser	(☎.)

FCC Information to User

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

• Reorient or relocate the receiving antenna.

• Increase the separation between the equipment and receiver.

• Connect the equipment into an outlet on a circuit different from that to which the receiver is con-nected.

• Consult the dealer or an experienced radio/TV technician for help.

Caution

Modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Compliance Information : This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

IMPORTANT NOTE:

FCC RF Radiation Exposure Statement:

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

The antennas used for this transmitter must be installed to provide a separation distance of at least 25 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

CAUTION

To reduce the risk of electric shock, do not remove the top cover (or the rear section).
No user serviceable parts inside, refer servicing to qualified personnel.

This symbol, wherever it appears, alerts you to the presence of uninsulated dangerous voltage inside the enclosure-voltage that may be sufficient to constitute a risk of sock.

This symbol, wherever it appears, alerts you to the important operating and maintenance instructions in the accompanying literature. Please read the manual.

1) Read these instructions.

2) Keep these instructions.

3) Heed all warnings.

4) Follow all instructions.

5) Do not use this equipment near water.

6) Do not using near any heat sources such as radiators, heat resisters, stove, or other equipment that produce heat.

CAUTION
RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS

European CE notice to users and product statements

This product is CE marked according to the provisions of the R&TTE Directive(99/5/EC). Hereby, ELIM Co.,Ltd. declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

For further information, please contact http:// www.elimopt.co.kr

CE1177

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URL: www.elimopt.co.kr

CONTACT INFORMATION

Manufacturer Address : A-dong, 3F ElimB/D Sanoepro 155beon-gil 50, Gwonsoen-gu, Suwon-si, Gyeonggi-do, 441-811 Korea To locate in-country ELIM Co.,Ltd., distributors of the Smart Guide please refer to the ELIM Co.,Ltd. Website http://www.elimopt.co.kr

These distributor(s) represent local contacts for this product.

CORPORATE HEADQUARTERS:

ELIM Co.,Ltd.

A-dong, 3F ElimB/D Sanoepro 155beon-gil 50, Gwonsoen-gu, Suwon-si, Gyeonggi-do, 441-811 Korea

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Fax: 82-31-257-7159

Web: http://www.elimopt.co.kr

This device complies with Industry Canada license-exempt RSS standard(s).

Operation is Subject to the following two condition: (1) this device may not cause interference ,and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

EUROPEAN UNION “DECLARATION OF CONFORMITY”

DECLARATION OF CONFORMITY

ELIM Co.,Ltd.

A-dong, 3F ElimB/D Sanoepro 155beon-gil 50, Gwonsoen-gu, Suwon-si, Gyeonggi-do, 441-811 Korea

declare under our sole responsibility that the product(s)

Smart Guide – ELS-1000

to which this declaration relate(s) is in conformance with the following standards:

EN 301 489-1 V1.9.2:2011
EN 301 489-17 V2.2.1:2012
EN 60950-1:2006/A2:2013
EN 300 328 V1.8.1:2012

following the provisions of the 1999/5/EC Directives.