

[F1100]
User Manual



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SAFETY CAUTIONS

SAFETY GUIDE

USER MUST PAY ATTENTION TO THE INFORMATION PROVIDED HERE TO ENSURE SAFETY.

We suggest you read the following statements carefully before using the system.

If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

CAUTION BATTERY

- Risk of explosion if battery is replaced by an incorrect type.
- Dispose of used batteries according to the instructions.
- Never replace the battery by yourself.



WARNING

If this product is used without observing the information given under this symbol, it might cause injuries or loss of life.

CAUTION

If this product is used without observing the information given under this symbol, it might cause damage to this product.



WARNING

HAZARD ENVIRONMENT

- Do not use this system in explosive environments such as gasoline or alcohol storage tank.



WARNING

FLAMMABLE GASES

- Do not use this system near flammable gases.



WARNING

INDUSTRIAL USAGE ONLY



WARNING

INTENSIVE LIGHT MAY CAUSE EYE INJURY

- Avoid looking at the probe head while LED is on.

CAUTION

CERTAIN SUBSTANCES MAY DAMAGE THE PROBE

- Please refer to Chemical resistance below. Contact the store you purchased for unsure chemical solutions for further information.

Chemical Resistance

- Water
- Brake fluid
- Gasoline
- Diesel fuel
- Transmission fluid

CE NOTICE

The Videoscope System is in conformance with the following standards:

- 2014/30/EU Electromagnetic Compatibility Directive
-

RoHS NOTICE

The F1100 Videoscope System is in conformance with the requirements of the European law on the Restriction of Hazardous Substances (RoHS) directive. This means that our product is both lead-free and without the hazardous substances either in the manufacturing process or in the final product

FCC NOTICE

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

(Sec. 15.247)

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter

(Sec. 15.19)

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

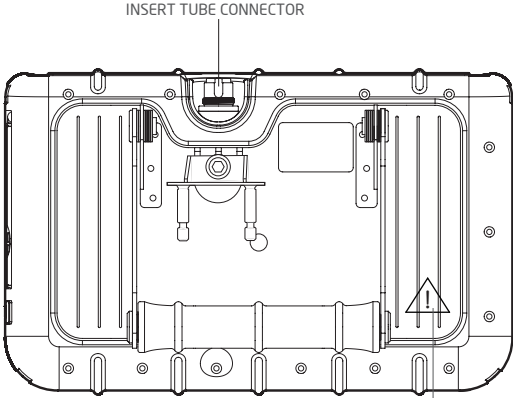
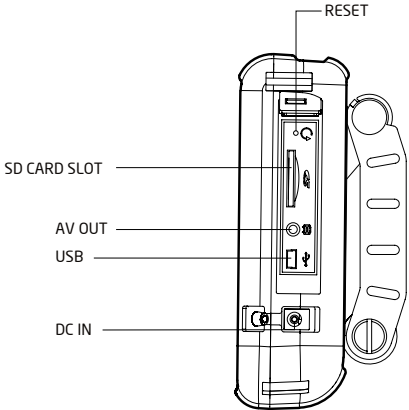
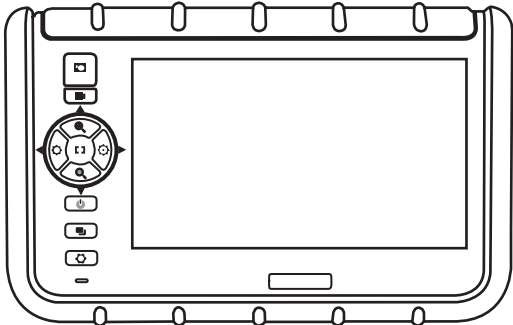
(Sec. 15.21)

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

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

1. Product Outlook

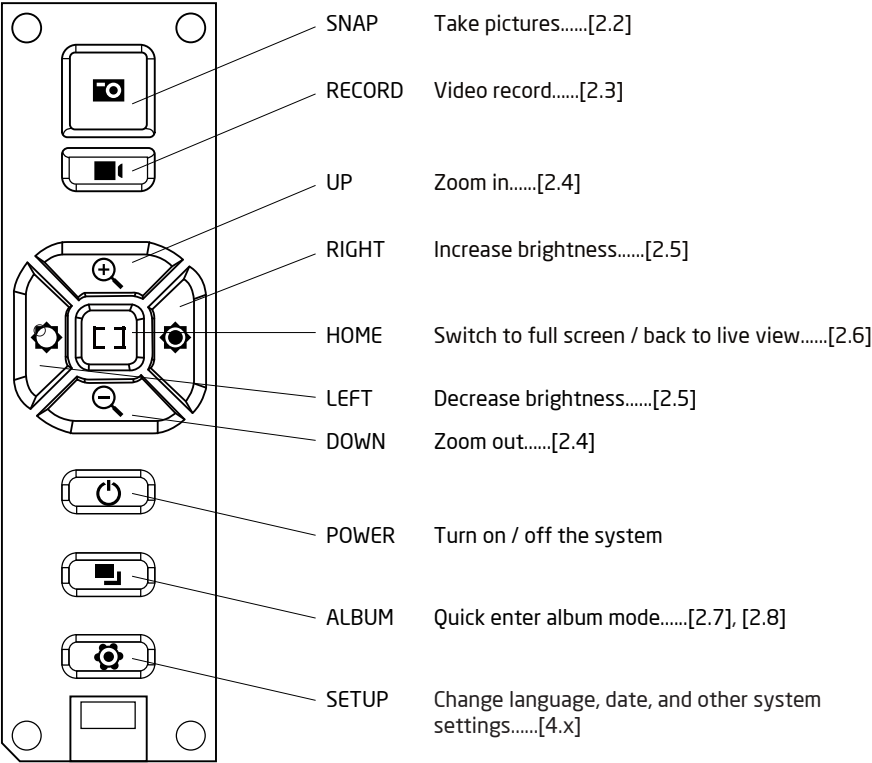


RECHARGEABLE LI BATTERY INSIDE

2. Base unit button functions

- 2.1 Main UI

Keypad Button



Live View UI



• 2.2 Snapshot

Press the  button



Note : The watermark of time stamp and the length meter can be enable/disable in the setup menu.



• 2.3 Video Recording

Press the  button to start / stop recording video.





Note: The system built-in 5 minutes repeat record function.
Total recording length depends on the SD card status [4.3].
The 5 minutes repeat setting is not configurable.

• 2.4 Zoom in / Out

Press the  /  button. 5x zoom in adjustment.



• 2.5 Brightness Control

Press the  /  button. 10 levels adjustment of probe head LED light.



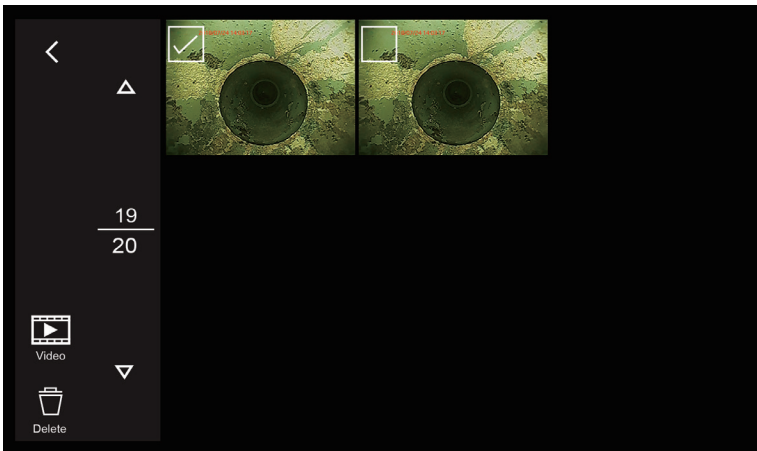
- **2.6 Full Screen**

Press the  button.

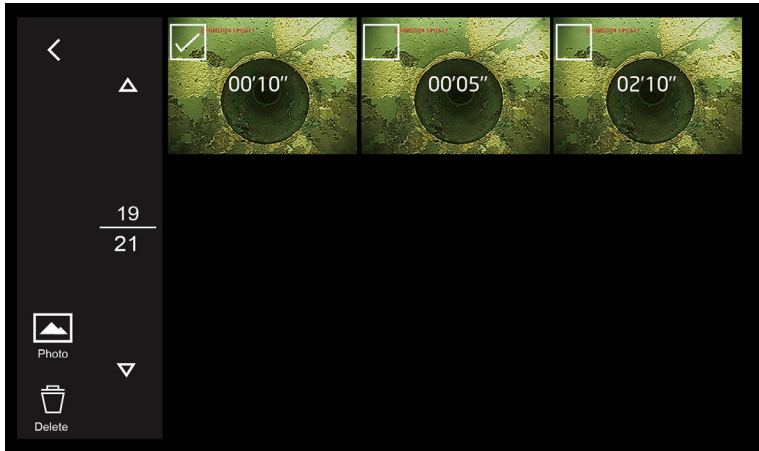





- **2.7 Album**

2.7.1 Photo Gallery : touch  button to view video gallery.




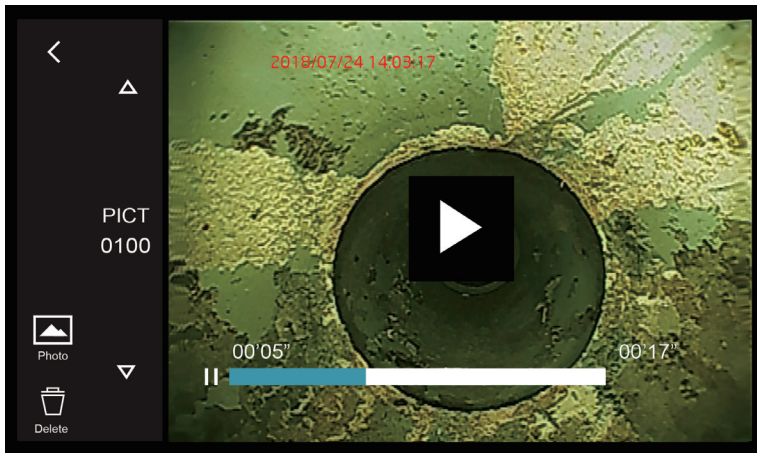
2.7.2 Video Gallery : touch  button to view video gallery.



2.7.3 Single photo view : touch  button to view single video file. The  and  instruction is in next section.



2.7.4 Single video view : touch  button to view single photo file. Touch any position of the screen rto play / pause.



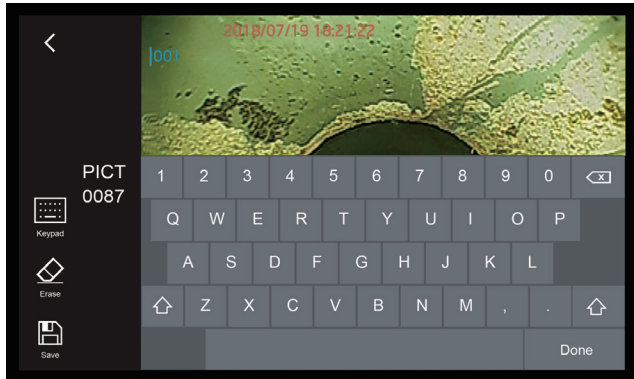
• 2.8 Album--photo annotation :

The F1100 system allows user add maximum 10 notes on a photo. Each note can key in maximum 24 characters. The edit steps as follow:

2.8.1 Add one note :



[Add note] ->[key in] ->[Done]. Then a note can be done.



2.8.2 Add more note :



[Keypad] ->[key in] ->[Done].



2.8.3 Move note position :

Touch any note been made on screen then it shows a green frame. The note frame can be dragged to any position you want to mark on the photo.

2.8.4 Erase note :

Touch any note been made on screen then it shows a green frame. Touch the



to delete the note frame.

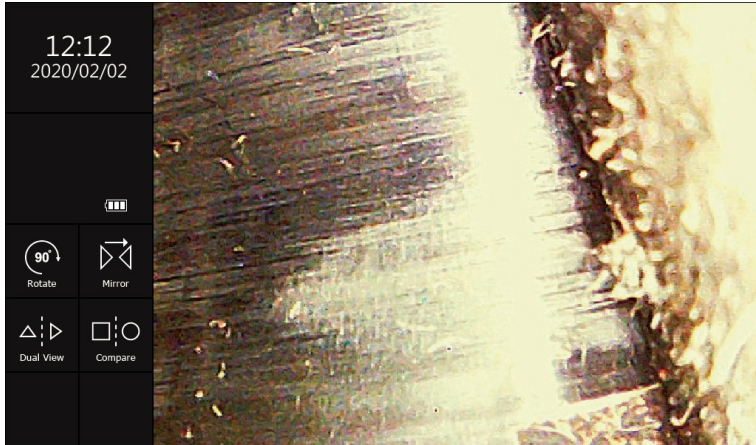
During keying any note, use the  function to erase all characters.




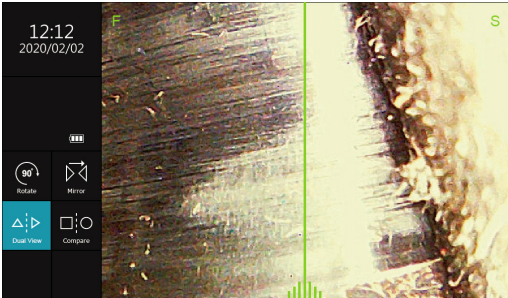




2.8.5 Save :



Please make sure saving the photo with notes you made. The system creates a new file in the album. The original photo will not be covered.

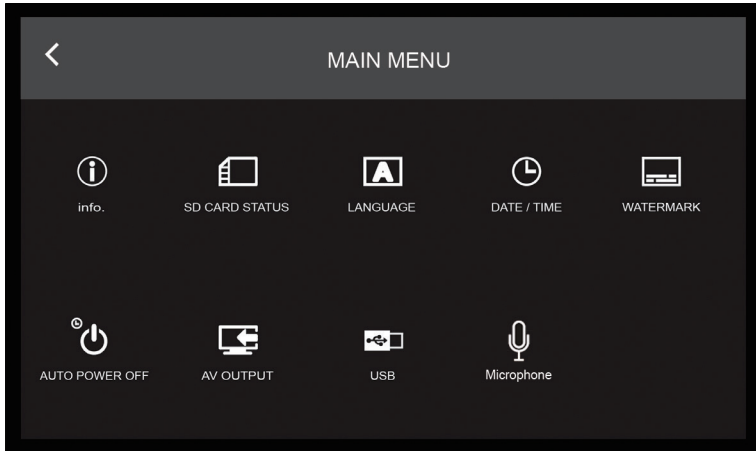
3. Touch screen button functions



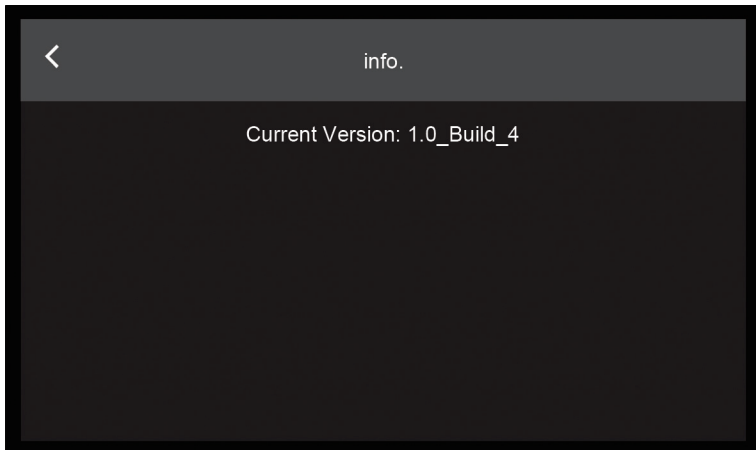
Button	Description
 <p>Rotate</p>	<p>Every tap can flip the image's direction by the orders of: (1) right->(2)down->(3)left->(4)up. Finally return to original.</p>
 <p>Mirror</p>	<p>Tap can flip the image's direction vertically to get mirror effect of the image.</p>
 <p>Dual View</p>	<p>When using 6mm articulation probe with dual-view mirror attached, the button can display a vertical assist view angle (F-front/S-side) line to help visual identification.</p> 
 <p>Compare</p>	<p>Compare: Compare the live view with stored image.</p> <ul style="list-style-type: none">  <p>Move</p> <p>To move the compared photo to target position.</p>  <p>Switch</p> <p>To switch the left / right side viewing window.</p>  <p>Replace</p> <p>To replace another compared photo.</p>

4. Setting Menu functions

• 4.1 MAIN MENU



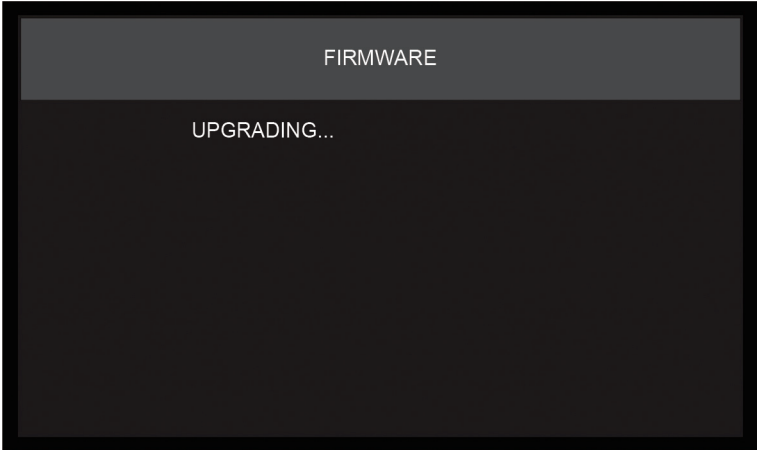
• 4.2 Info.



TO UPGRADE FIRMWARE:

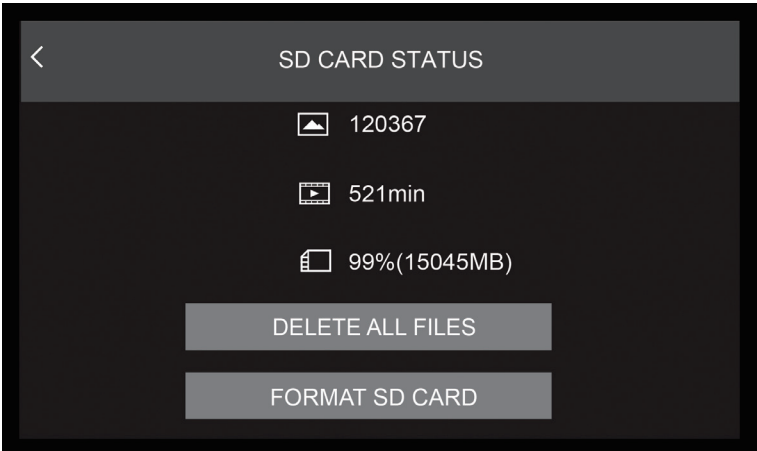
When receive firmware upgrade notice from your product vendor, follow the operation steps as blow to complete upgrade:

1. Load the firmware file (SPHOST.BRN) into the SD card's root folder.
2. Turn off the system and install the SD card.
3. Press the [Power] button and [Record] button at the same time till the screen shows upgrade status. Load the firmware file (SPHOST.BRN) into the SD card's root folder.

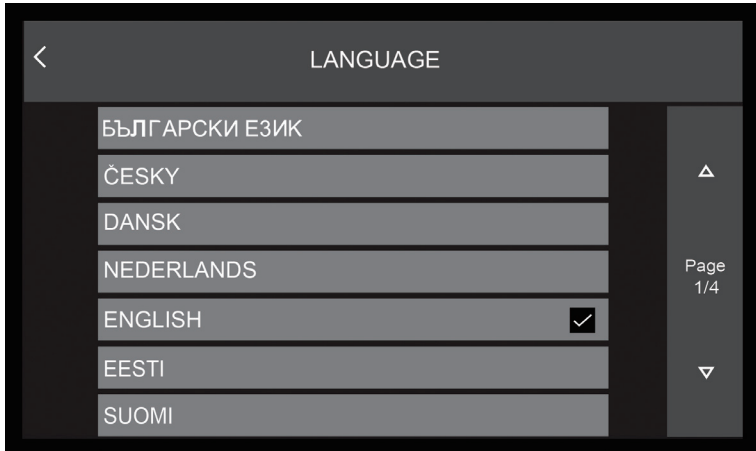


4. When complete, the system will automatically turn-off. Re-boost the system and check the version information is updated.

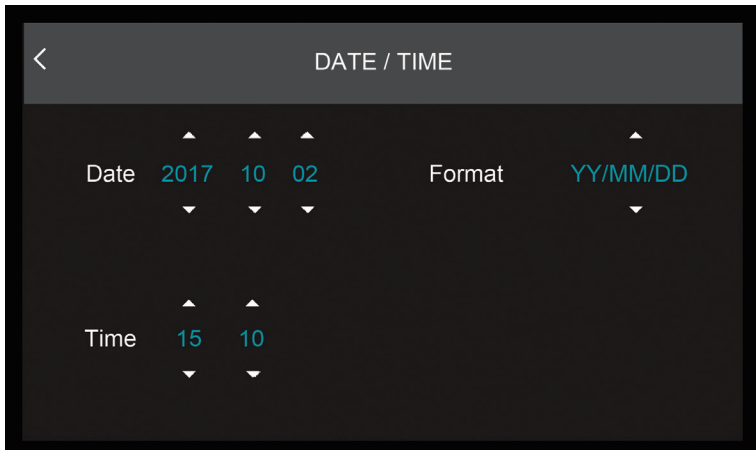
• 4.3 SD CARD STATUS



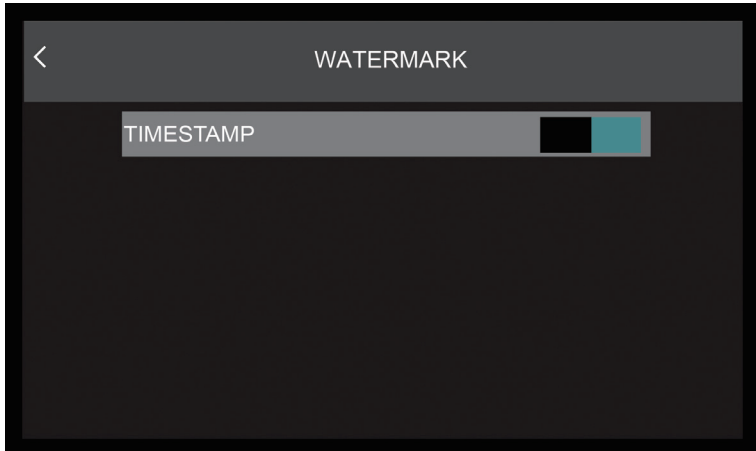
• 4.4 LANGUAGE



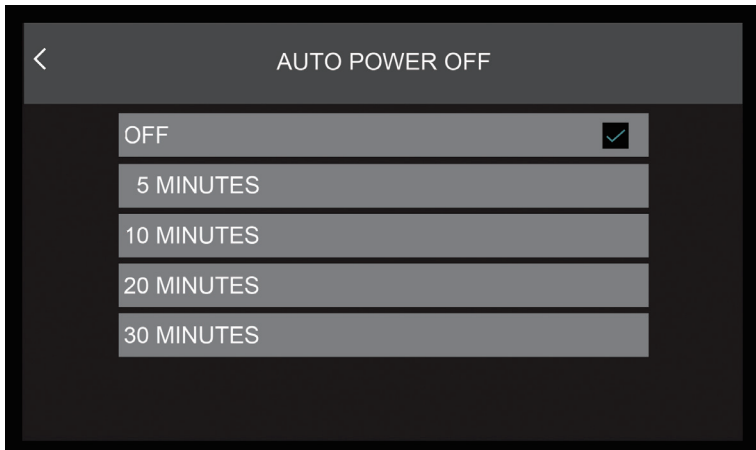
• 4.5 DATE/TIME



- **4.6 WATERMARK**



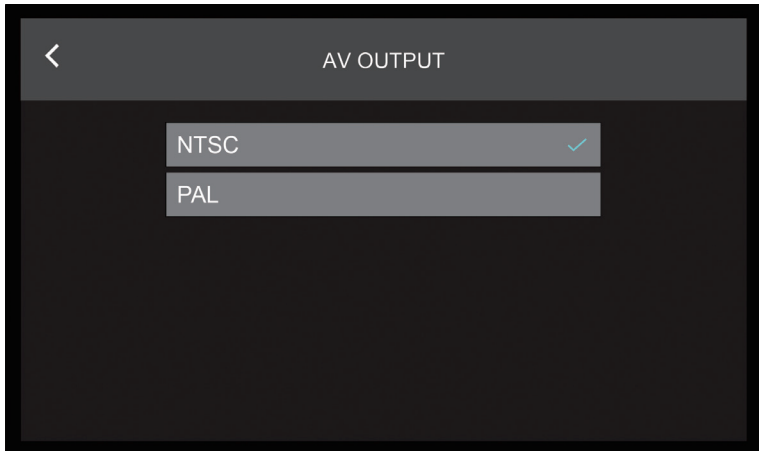
- **4.7 AUTO POWER OFF**



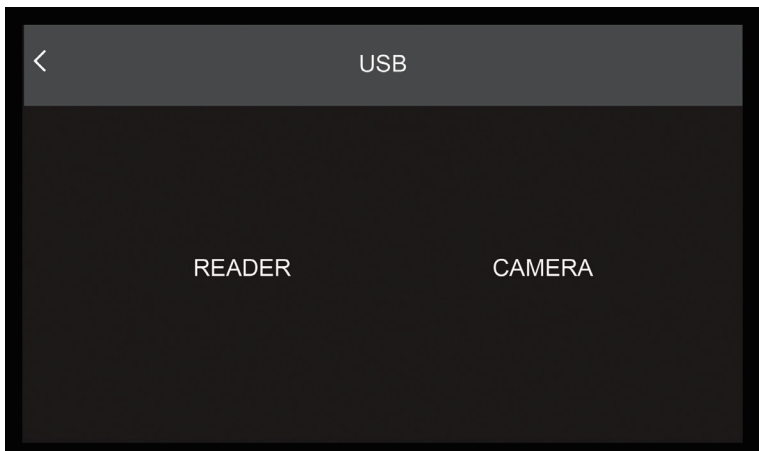
• 4.8 AV OUTPUT

Two options NTSC /PAL are available. System default is PAL.

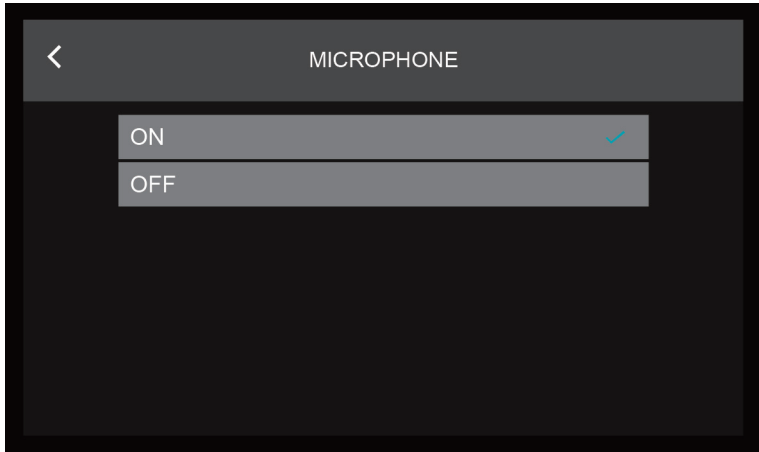
The image will be output directly once the system is connected to display device by AV output port.



• 4.9 USB OUTPUT



• 4.10 MICROPHONE



Product Specifications

F1100 Main System

Features	Description
LCD	7" LCD (800 x 480)
Snapshot	640 x 480, .JPEG
Recording	640 x 480, .MOV, 30 fps
Dimension	240 x 154 x 47mm
Weight	1.3 kg (2.86 lb)
Water proof	IP57
Drop resistance	1m
Power Supply	Rechargeable Li battery, approx. 3.5 hours charging/ operating AC power: 100-240V, 5V, 3A
Charging temperature	10°C~40°C
Working temperature	0°C~45°C (with battery) 0°C~40°C (with AC power adaptor)
Storage temperature	0°C ~ 60°C
USB	Mass storage mode / Webcam mode
Storage	SD card, up to 32G
AV output	NTSC-PAL
Audio input	Built-in microphone
Brightness Adjust	10 levels Adjustment

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