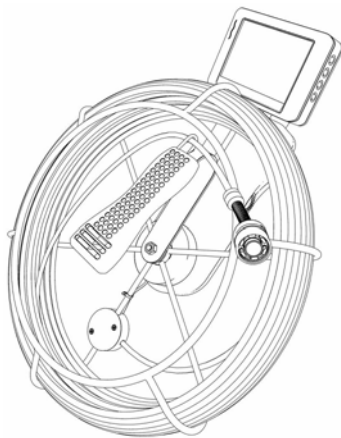




# User Manual

Wireless Inspection Camera  
with Recording Color LCD Monitor

Model No.: FFG FG



[www.sidewindercam.com](http://www.sidewindercam.com)

Version No.: 1.2

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Please read this User Manual carefully before using the product!

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# CONTENTS

Welcome .....	1
Packing List .....	2
Caution .....	3
Component/Controls .....	4
Installation .....	5
Operation .....	8
Basic Operation .....	8
Other Operations & Settings For Monitor .....	9
Record Video .....	9
Take Photo .....	10
Play Video/Feature .....	11
Delete Video/Feature .....	12
Delete Folder .....	13
Language Setting .....	14
Video System Setting .....	14
Format .....	15
Default Setup .....	15
View Version Information .....	16
Frame Rate Setting .....	16
Time Stamp Setting .....	16
Recording Type .....	17
Date/Time Setting .....	18
Event Playback .....	18
Specifications .....	19
Warranty .....	20
FCC Information .....	Back Cover

# **WELCOME**

You have chosen the most innovative wireless inspection camera on the market today. Please read the user manual carefully before using this product. This device is designed as a remote inspection device that can be used to look into tight spots and transmit real-time video to the monitor. You can also transmit real-time video to the monitor wirelessly.

Typical applications include Heat exchanger tubes, boiler tubes, HVAC, cable routing, etc.

If you have questions concerning the operation of your Sidewinder™ product, please call:

**Customer Service**

**1-866-480-PEER**

**Monday - Friday • 8:00 am - 5:00 pm EST**

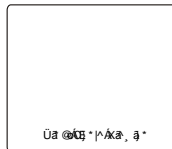
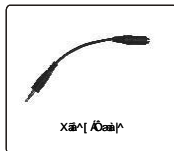
**or visit our website:**

**[www.sidewindercam.com](http://www.sidewindercam.com)**

# PACKING LIST



## CDH-CB5 @COMPONENTS

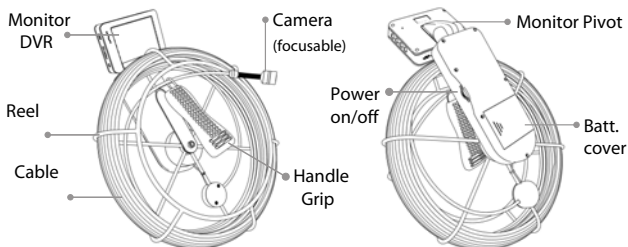


## **CAUTION**

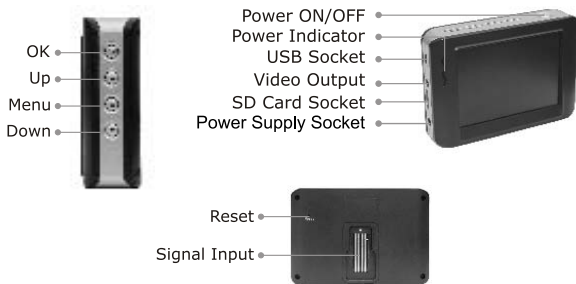
- Do not expose the monitor to dripping or splashing liquids.
- Turn off the camera and monitor when not in use.
- Use only the AC adaptor and cable supplied with the unit.
- Remove the batteries when cleaning the unit.
- Remove the batteries before storing the unit for a long time.
- When necessary, **REPLACE ALL FOUR BATTERIES** in this unit with new ones.
- Use only the size and type of battery specified.
- Be sure to install the batteries with the correct polarity as indicated on the battery compartment.
- Properly dispose of the batteries. Exposure to high temperatures can cause the batteries to explode. Do not dispose of batteries in a fire. When stored, place tape over the terminals to prevent direct contact with other objects. Some countries have regulations concerning battery disposal. Please follow all applicable regulations.
- Do not force camera head or cable into tight areas.
- Do not use camera head or cable to remove or clear blockages.
- Cable minimum bend radius is 3.5 inches

## COMPONENTS / CONTROLS

### Camera Reel



### Monitor/DVR

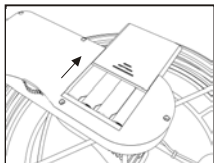
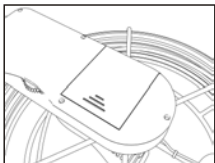


# **INSTALLATION**

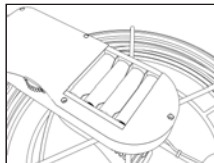
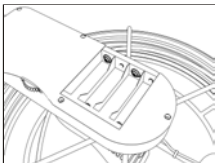
Install the batteries and micro SD card (optional) before using product.

## **Install Batteries**

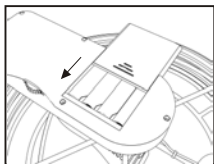
1. Remove battery compartment cover.



2. Remove or install four new AA batteries into the appropriate slots in the battery compartment. Proper battery orientation is marked in the slots of the battery holder.



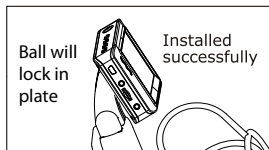
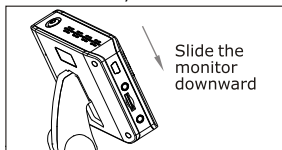
3. Reinstall battery compartment cover.



**NOTE!** Dry your hands before installation or replacing batteries.

## Install Monitor for Wired Use

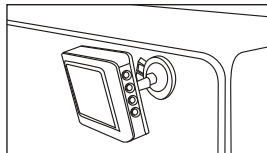
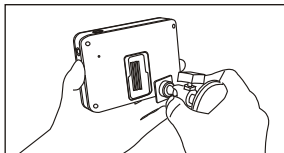
For wired use, connect the monitor to the pivot mount.



## Optional Components

### Install the Magnetic Swivel Mount

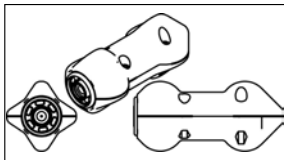
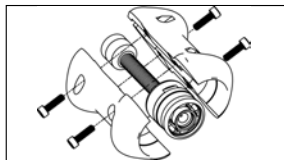
The magnetic swivel mount can be used to secure the monitor to a metal object. Install the bracket as shown below.



Accessory Installed

### Install the Camera Skid



To attached the camera skid, nest the camera head assembly into each half of the camera skid. Insert the clamp screws as shown below.

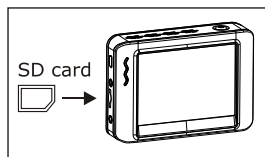


Accessory Installed



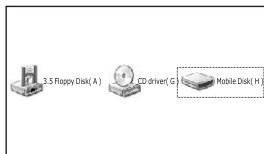
## Insert Micro SD Card (Optional)

After the SD Card is inserted properly, the monitor will indicate “” icon; otherwise “” icon will appear.



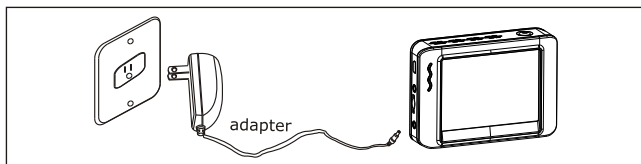
## Connect USB Cable (Optional)

Use the USB cable to connect the monitor to a PC. The USB online icon appears on the PC. Open **My Computer**, and find the **Mobile Disk**. the video/picture files on SD card could be copied/cut/playback.



## Connect Monitor Power

Connect the adapter to the monitor and plug the adapter into a 110v AC outlet. The power indicator will illuminate red or the battery capacity icon will indicate charging, and will turn off after a full charge.



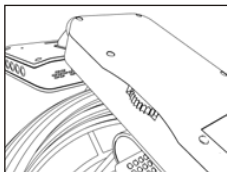
## Video Output

Insert the video cable into the VIDEO OUT socket of monitor. Insert the other end of the cable into the VIDEO IN jack of a TV or another monitor. The LCD Monitor will output a high quality video signal.

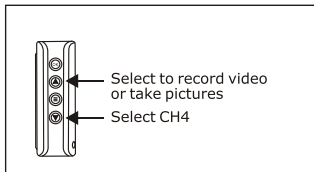
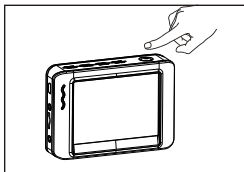
# OPERATION

## Basic Operation

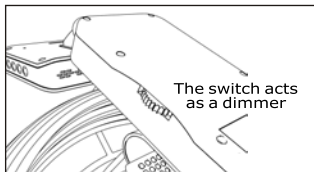
1. Rotate the ON/OFF switch wheel to turn on the camera. There is a power indicator LED on the housing. The intensity of the illumination LEDs that surround the camera can be adjusted by rotating the switch wheel.



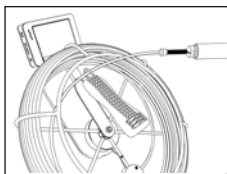
2. Firmly grasp the rear section of the camera housing and rotate the front of the camera section of the camera housing to focus image.
3. Press and hold on the Power ON/OFF button on monitor for 2 seconds , the power indicator will be green, then press ▼ button to select the **CH4( channel 4)** and the picture will display on LCD of monitor and press ▲ button to select recording video or take pictures status:



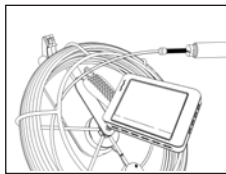
4. Rotate the ON/OFF switch for better image effect.



5. Gently guide the camera head and cable into the desired location. Slight adjustments can be made while maneuvering the head in a forward direction by twisting the reel.



wired



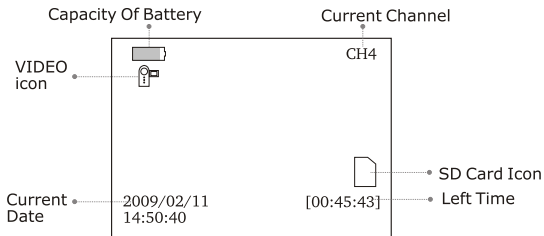
wireless

**TIP!** Hold and use the cable reel cage to feed out the camera (do not pull cable out of the reel). Hold the reel grip firmly and grasp the cable to recoil into the reel (do not use the cable reel cage to recoil cable).

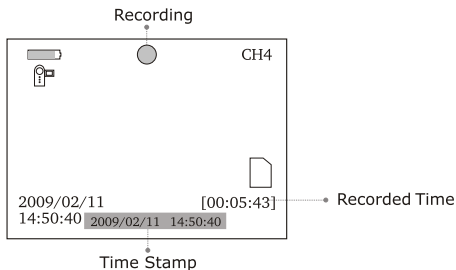
## **Other Operation and Settings for Monitor**

### **Record Video**

1. During operation, press  button to enter VIDEO mode:



2. Press OK button to record:




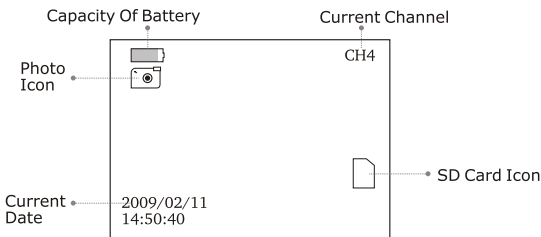
3. Press OK button again to stop recording.

**Notice!**

- \* The Video will be automatically saved as a file every 30 minutes.
- \* SD card is full when the SD card icon changes to “F” .

## Take Photo

1. During operation, press  button to switch to photo mode:



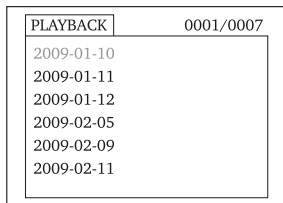
2. Press OK button to take photo.

**Notice!**

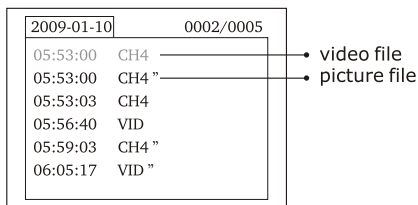
when the SD card icon changes to “F” the SD card is full

## Play Video/Picture

1. During operation, press  button to display:

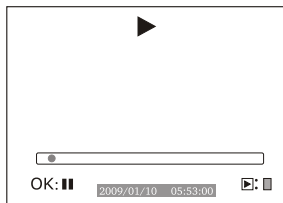


2. Press  or  button to select folder, then press OK button:



3. *For Video:*

Press  or  button to select video, then press OK button to play



Pause: press OK button in playing status to pause;  
press again to resume;  
Fast Forward: press ▲ button in playing status;  
Fast Backward: press ▼ button in playing status;  
Stop/Exit: press ≡ button.

*For Picture:*

Press ▲ or ▼ button to select picture, then press OK button to display, press OK button again to exit.

## Delete Video/Picture

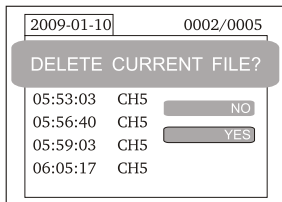
1. During operation, press ≡ button to display:

PLAYBACK	0001/0007
2009-01-10	
2009-01-11	
2009-01-12	
2009-02-05	
2009-02-09	
2009-02-11	

2. Press ▲ or ▼ button to select folder, then press OK button :

2009-01-10	0002/0005
05:53:00	CH4 ”
05:53:00	CH4
05:53:03	CH4
05:56:40	VID
05:59:03	CH4 ”
06:05:17	VID ”

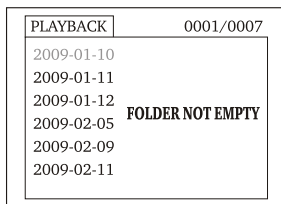
3. Press ▲ or ▼ button to select file, press and hold ⏻ button for 2 seconds:



4. Press ▲ or ▼ button to select "YES", then press OK button to delete selected file; press "NO" to exit.

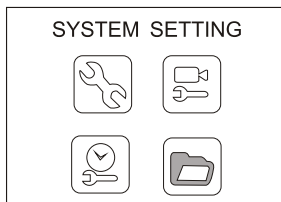
## Delete Folder

To delete a folder, follow the same procedures as deleting a file. Make sure the folder is empty, otherwise it will not delete and a warning will appear.



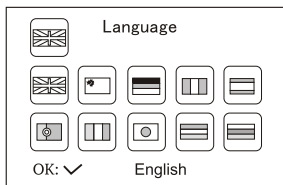
## How To Enter The Setting Mode

During operation, press and hold ⏻ button for about 1-2 seconds to enter into the setting interface:



## Language Setting

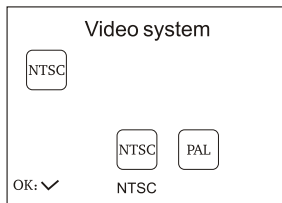
1. In the setting mode, press ▲ or ▼ button to select “SYSTEM SETTING”, press OK button to enter;
2. Press ▲ or ▼ button to select “Language”, press the OK button:



3. Press ▲ or ▼ button to select a suitable language;
4. Press OK button to confirm and exit.

## Video System Setting

1. In the setting mode, press ▲ or ▼ button to select “SYSTEM SETTING”, press OK button to enter;
2. Press ▲ or ▼ button to select “Video System”, press OK button:

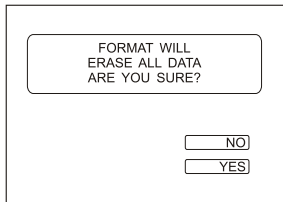


3. Press ▲ or ▼ button to select right type, press OK button to confirm and exit.



## Format

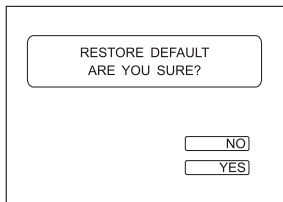
1. In the setting mode, press ▲ or ▼ button to select “SYSTEM SETTING”, press OK button to enter;
2. Press ▲ or ▼ button to select “Format”, press OK button:



3. Press ▲ or ▼ button to select “YES”, then press OK button to erase all data. Press "NO" to exit.

## Default Setup

1. In the setting mode, press ▲ or ▼ button to select “SYSTEM SETTING”, press OK button to enter;
2. Press ▲ or ▼ button to select “Default Setup”, press OK button:



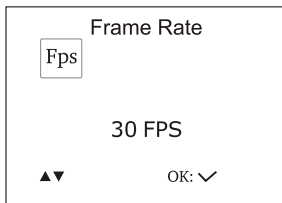
3. Press ▲ or ▼ button to select “YES”, then press OK button to restore default; Press "NO" to exit.

## View Version Information

1. In the setting mode ,press ▲ or ▼ button to select “SYSTEM SETTING”, then press OK button to enter;
2. Press ▲ or ▼ button to select “Version”, press OK button to enter and view the version of product.

## Frame Rate Setting

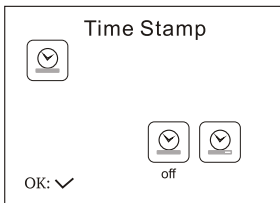
1. In the setting mode, press ▲ or ▼ button to select “RECORDER SETTING”, press OK button to enter;
2. Press ▲ or ▼ button to select “Frame Rate”, press OK button :



3. Press ▲ or ▼ button to select suitable frame rate;
4. Press OK button to confirm and exit.

## Time Stamp Setting

1. In the setting mode, press ▲ or ▼ button to select “RECORDER SETTING”, press OK button to enter;
2. Press ▲ or ▼ button to select “Time Stamp”, press OK button :

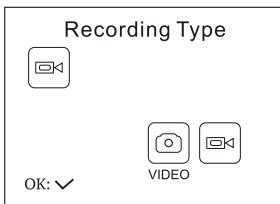


3. Press ▲ or ▼ button to select “Off”, “On”, press OK button to confirm and exit.

## Recording Type

1. In the setting mode, press ▲ or ▼ button to select “RECORDER SETTING”, press OK button to enter;
2. Press ▲ or ▼ button to select “Recording Type”, press OK button:

Select  
“VIDEO”  
or  
“STILL”



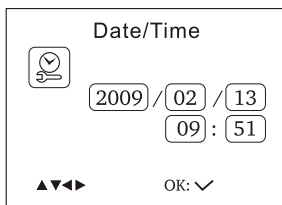
3. Press ▲ or ▼ button to select “STILL”, “VIDEO”, press OK button to confirm and exit.

**Notice!**

when in “STILL” mode, you cannot record video

## Date/Time Setting

1. In the setting mode, press ▲ or ▼ button to select “Date/Time”, press OK :



2. Press OK button to select Date or Time;  
press ▲ or ▼ button to modify;  
press ≡ button to confirm and exit.

## EVENT PLAYBACK

1. In the setting mode, press ▲ or ▼ button to select “EVENT PLAYBACK”, press OK button to enter;
2. Other operation see “Play Video/Picture”, “Delete Video/Picture”, “Delete Folder” section.

# SPECIFICATIONS

## Camera

<i>imager</i>	sensor . . . . .	1/4" (PAL or NTSC)
	pixels . . . . .	720 × 576 / 720 × 480 (PAL/NTSC)
	sensitivity . . . . .	0.01 lux
	shutter . . . . .	1–1/10000 sec. (auto)
	white balance, gain, exposure . . . . .	auto
	dimensions . . . . .	3/4" dia. × 3/4" long (2 1/8" long with spring)
	focus . . . . .	infinite adjustment, no tools required
	standard lens . . . . .	70 deg FOV
	illumination . . . . .	shadowless, bright white LED
	submersibility . . . . .	100'
	operating temperature . . . . .	-20 to 70°C

## Monitor/ Recorder

<i>screen</i>	type . . . . .	3.6" TFT LCD w/ anti-reflective coating
	pixels . . . . .	640 × 480
	viewing angle . . . . .	50 degrees
<i>recording</i>	media . . . . .	micro SD card (up to 32 GB)
	video . . . . .	AVI at 640 × 480 and up to 30 fps
	images . . . . .	JPG at 640 × 480
<i>outputs</i>	phono . . . . .	(analog video)
	mini USB . . . . .	(digital video files)
<i>wireless</i>	range . . . . .	up to 32'
	format . . . . .	2.4 GHz at FM
	charge/operating time . . . . .	3 hr. / 1.5–3 hr.
<i>features</i>	time/date stamp, 10 languages, selectable PAL/NTSC	

## Handheld Reel

Cable dimensions . . . . .	100' long × 3/16" dia.
cable composition . . . . .	PVC-coated with fiberglass center
reel size/weight . . . . .	11.5" / 4.5 lb.
controls . . . . .	power on/off, lamp intensity
connectivity . . . . .	3mm video out, monitor dock
power . . . . .	4 AA batteries (or 6 Vdc mains adapter)

\* Actual transmission range may vary according to the weather, location, interference and building construction.

\* All the specifications are subject to minor change without prior notice.

## WARRANTY INFORMATION

### Consumer Warranty

This Sidewinder™ inspection camera is warranted to the original purchaser for a period of one year from the date of original purchase against all defects in materials and workmanship. This limited warranty is void if the unit is abused, modified, installed improperly, or if the housing and/or serial numbers have been removed. There are no express warranties covering this product other than those set forth in this warranty. All express or implied warranties for this product are limited to the above time. Peerless Creations LLC is not liable for damages arising from the use, misuse, or operation of this product. During the warranty period, defective units will be repaired without charge to the purchaser when returned with a dated receipt to the address below. Units returned without a dated receipt will be handled as described in section "Service Out of Warranty".

*Note: Damage caused by incorrect battery placement or battery leakage is not covered under this warranty.*

When returning a unit for service, please follow these instructions:

1. Ship the unit in the original carton or in a suitable sturdy equivalent, fully insured, with return receipt request to: Sidewinder™ Repair Dept.

3 Williams Rd.  
Landing, NJ 07850

Please allow 3 weeks turnaround time.

**Important: Peerless Creations will not assume responsibility for loss or damage incurred in shipping. Therefore, please ship your unit insured with return receipt requested. CODs will not be accepted!**

2. Include with your unit the following information, clearly printed:

- Your name and street address (for shipping via UPS, FedEx or DHL), a daytime telephone number and an email address.
- A detailed description of the problem (e.g., "Cannot adjust brightness").
- A copy of your dated receipt or bill of sale.

3. Be certain your unit is returned with its serial number. For reference, please write your unit's serial numbers in the following spaces: Monitor S/N:                      Reel S/N:

Units without serial numbers are not covered under warranty. Important: To validate that your unit is within the warranty period, make sure you keep a copy of your dated receipt. You may register your warranty by sending an email to [warranty@sidewindercam.com](mailto:warranty@sidewindercam.com)

### Service Out of Warranty

Units will be repaired at "out of warranty" service rates when:

- The unit's original warranty has expired.
- A dated receipt is not supplied.
- The unit has been returned without its serial number.
- The unit has been abused, modified, installed improperly, or had its housing removed.

## FCC 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,
- (2) this device must accept any interference received, including interference that may cause undesired operation.

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

Note: Changes or modifications not expressly approved could void the user's authority to operate the equipment.

### EU Environmental Protection

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.

