



## **dipper-See EXAMINER FAQ**

### **What are the technical specs?**

#### **Probe Specifications:**

120-degree field of view allows viewing of the sides of boreholes easily

1 inch/25mm diameter is extremely narrow for a camera

500tvl resolution

Field replaceable

#### **Monitor Specs:**

7-inch diagonal screen 1280 x 800

400nits of brightness.

Vison/Sunshade included to ensure visibility in direct sunlight

Adjustable position for viewing from any angle.

#### **Case Specs:**

Polyurethane wheels with stainless steel ball bearings

Quick release retractable handle adjusts to 2 heights

Convenient fixed side handles makes carrying easy

Power claw latching system with integrated side locks ensure a waterproof seal

Reinforced metal padlock holes for added security. TSA approved padlocks available

Made of NK-7, the lightweight and impact resistant design is approved as a shipping container.

Custom molded insert ensures dipper-See doesn't move during transport

### **What is the battery life of the units?**

Using the included rechargeable battery, you can expect up to 6.5 hours when not using the DVR and 4.5 hours when using the DVR. With the 2 batteries included in your purchase, you will get a full work day of run time. Note that this is under ideal conditions and the batteries will lose their capacity over time (typically after 400 recharge cycles)

### **What is the charging time of the batteries?**

90 minutes each

### **What type of charger is required for these batteries?**

The necessary charger is included with the dipper-See.



**Does the dipper-See have an automatic focus? A manual focus?**

No, the dipper-See has a factory set '0 ' or focal point of 12" or 30 cm.

**Can the dipper-See zoom in to get a better look at any anomaly?**

No, but you can do this on your computer when viewing the video.

**What is the maximum recommended well diameter for clear video?**

The quality of the video is dependent on the turbidity of the water. The video will record to the extent of the illumination provided. We have tested it in wells up to 6" in diameter without issue. If additional lighting is provided by the user then the range of the camera would be extended.

**Are there any optional lenses for the camera?**

No.

**Is the camera removable/replaceable?**

Yes

**Is the monitor removable/replaceable?**

Yes

**Does the DVR only record video?**

No, it also audio records your notes and observations when the microphone is affixed.

**Can the video recording be turned on / off multiples times during a well inspection?**

Yes. Using the DVR remote the settings can be changed, and the recording can be started and stopped as needed using the Mode Button also.

**What is the maximum length of recording time?**

The DVR records 1.3 GB per hour. The length of the recording depends on the size of the SD card being employed. The dipper-See is outfitted with a 32 GB memory card.

**Does the video record depth or location?**

No, but the camera is on a graduated tape and you can verbally make note of depths, locations, or other pertinent data to be recorded audibly on the video.



**Does the camera work without recording?**

Yes, when the dipper-See is powered on the video screen will display what the camera is seeing.

**Do I need the remote to operate the DVR?**

No, the mode button on the dipper-See turns on the connected DVR and starts the recording. When the mode button is turned off the DVR will stop recording and the screen will revert to displaying the camera view only from factory default settings.

**What tape is used on the dipper-See?**

A white polyethylene tape whose 4 conductors ensure a steady signal with markings stamped on to give a clear visual indication of depth.

**What lengths of tape are available?**

The tape is available in your choice of either a 500' or 150m length.

**What marking scale is used on the dipper-See tape?**

The white polyethylene tape is stamped with the length in either 1' or 0.5m markings.

**May I purchase a more accurate tape with finer gradients?**

Not at this time

**What is the total weight of the dipper-See and case?**

The dipper-See weighs 20 lb or 9 kg, when in the case 48 lb or 22 kg

**Can I swap the monitor for a larger screen?**

No, but you can view the video on the screen size of your choice. Simply remove the SD card from the DVR and insert it in the device of your choice for viewing on a larger display.

**What conditions would increase the probability that bubbles accumulate on the lens?**

The lens is almost perfectly flush with the surrounding stainless structure and so accumulation of bubbles should be minimal if not, non-existent. If bubbles do accumulate a simple shake should suffice in releasing them and clearing the view.