



Attaching the SceneCatcher handle to the Bullard Thermal Imager: The Bullard Thermal Imager can be equipped with an optional SceneCatcher digital video recorder. The SceneCatcher is housed in a convenient handle. To attach the handle to the TI, simply align the handle so the handle brackets cradle the camera just under the display and the electrical contacts on the handle align with corresponding contacts on the camera (**Figure 1**). Turn the thumbscrew until it is tightened and the handle is fully secure. To disconnect the transmitter handle, loosen the thumbscrew and remove the handle from the thermal imager.

NOTE

The electrical contacts on the thermal imager that connect with the SceneCatcher may require periodic cleaning. To clean these contacts, use soapy water and a non-abrasive cloth or a cotton swab and isopropyl alcohol. Rubbing a pencil eraser on the contacts is another effective, non-abrasive means to clean the contacts.

Using the SceneCatcher: The SceneCatcher is powered via the thermal imager's 10-Volt NiMH rechargeable battery, while the camera is powered on. It functions through the use of one button only. The button, or Momentary Switch, located on the left outer circle of the pistol grip handle controls both image and video capture (**Figure 2**). The download feature, which allows image and video to be downloaded to a computer, is functional only when the SceneCatcher is connected through a USB cable. The USB port is located on the front right side of the handle (**Figure 3**).

SceneCatcher Only Mode: When the DVR is attached to the camera, the SceneCatcher LED indicator will illuminate green when the camera is powered on. No function of the SceneCatcher has yet been initiated. The solid green LED indicates the Standby/Ready mode.

To engage the Image Capture Mode, begin with a solid green LED. Depress the Momentary Switch for less than one second. The green SceneCatcher LED will turn red while the image is being generated, and then it will return to green (ready mode) when the SceneCatcher has completed generating the image.

To engage the Video Capture Mode, begin with a solid green LED. Depress the Momentary Switch for more than two seconds. The green SceneCatcher LED will produce an alternating green/red flash (approximately one flash per second) while the video is being generated. Press the Momentary Switch again to disable the video capture mode. The SceneCatcher LED will return to green (ready mode) when the SceneCatcher has completed capturing the

video.

SceneCatcher Low Memory Mode

When the SceneCatcher memory storage capacity is low, the LED indicator will illuminate in red. No function of the SceneCatcher has yet been initiated. The solid red LED indicates the standby/ready mode with low memory.

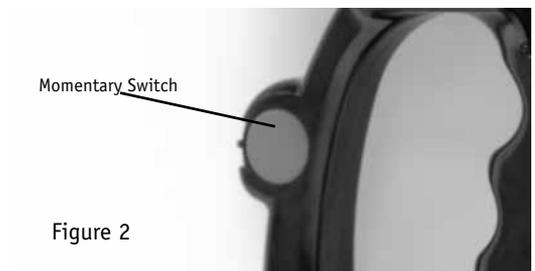
To engage the Image Capture Mode (while memory is available), begin with a solid red LED. Depress the Momentary Switch for less than one second. The red SceneCatcher LED will turn off while the image is being generated and then it will return to red (ready mode) when the SceneCatcher has completed generating the image.

To engage the Video Capture Mode (while memory is available), begin with a solid red LED. Depress the Momentary Switch for more than two seconds. The red SceneCatcher LED will produce a slow red flash (approximately one flash per second) while the video is being generated. Press the Momentary Switch again to disable the video capture mode. The SceneCatcher LED will return to red (ready mode) when the SceneCatcher has completed capturing the video.

When memory capacity has been reached, the SceneCatcher LED will generate a fast green flash (approximately three flashes per second) to indicate

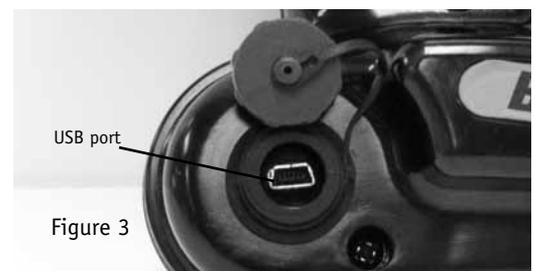


Figure 1



Momentary Switch

Figure 2



USB port

Figure 3

The SceneCatcher is compatible with the following operating systems:

- Windows Vista
- Windows Vista x64
- Windows XP
- Windows XP x64
- Windows 2000
- Windows Server 2003
- Windows Server 2003 x64

Downloading images and video to a computer:

In order to download the captured images and video from the SceneCatcher to a computer, the user must first follow the instructions to install a USB driver on their computer.

Installation of the USB driver

Choose the SceneCatcher icon on the Bullard Documentation CD.
Run the SceneCatcher installation software.



Click "Next."



Choose the "I accept the terms in the License Agreement" radio button and click "Next."



Choose "Complete" and click "Next." On the next screen, click

"Install."



If confronted with warning message, choose "Continue Anyway."
Click "Finish."



Only after the software has been installed,

Connect the SceneCatcher to the PC using the USB cable provided and follow the instructions from Windows to install the driver.



When new hardware is recognized, the following dialogue appears:
Choose "Yes, this time only" radio button and click "Next."



Select the "Install the software automatically [Recommended]" radio button and click on "Next."

If confronted with warning message, choose "Continue Anyway."
Click "Finish."

Repeat this procedure for all USB devices that are found.

SceneCatcher™ Digital Video Recorder User Manual

Modifying or removing the USB driver

To modify the installation parameters or to remove the SceneCatcher software, run the SceneCatcher installation software and choose the appropriate option from the installation menu.



SceneCatcher Control and Download Utility Features

The program allows the following features:

- List all recorded images.
- Select some or all of the images using “Select All”, “Deselect All”, or “Toggle Selection.”
- Download some or all of the images.
- Check memory status for existing files, size of selected files, available memory and percent of occupied space.
- Manage download directories.
- Preview images.
- Download or delete data from memory.

GENERAL USE OF SCENECATCHER DIGITAL VIDEO RECORDER



Connect to a SceneCatcher Device

Connect the device to a USB connector on the PC. Start the program SceneCatcher icon. All connected devices are listed in the “Device->Connect to device” menu as shown in the following image. When no device is found, or new devices are connected or removed use the “Scan USB devices” menu to search for connected SceneCatcher.

Download of Images and Videos

After connection is established, all images stored on the SceneCatcher are listed. The title bar shows the name of the device. Now it is possible to select all files or a few files for download to the PC. The three buttons “Select all,” “Deselect



all” and “Toggle selection” can be used to simplify selection of images.

Before download is started, the download directory should be verified. When all settings are correct, download could be started with the “Download selected files” button. A double click on an image or video will start the transfer also.

For JPEG Images there is a preview available. Note: This does not work for AVI files.

Set Date and Time for the SceneCatcher

The SceneCatcher has a built in clock. It may be necessary to set date and time. In the device menu, select “Set device time to PC time” to set the built in clock.

Capture Image and Video from Software

When a Bullard Thermal Imaging Camera is connected to the SceneCatcher and powered on, it is possible to:

- Record JPEG.
- Start Video.
- Stop Video.

Disconnect From SceneCatcher

The user must disconnect from the device prior to closing the SceneCatcher software or disconnecting the USB cable.

ADVANCED USE OF SCENECATCHER DIGITAL VIDEO RECORDER

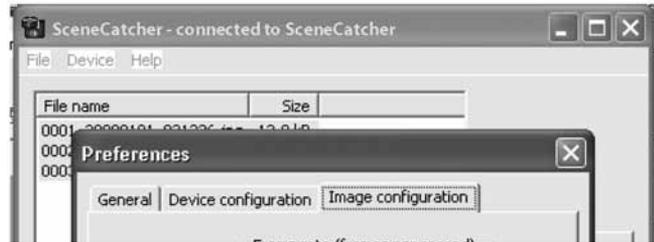
Load and Save Configurations

It is possible to save different configurations (menu File->Load settings and File->Save settings). The following parameters are included into the configuration file: file splitting time and frame rate. Not included are the name of the device and the PC program specific settings.

To save or load settings it is necessary to first create a connection to the SceneCatcher device.

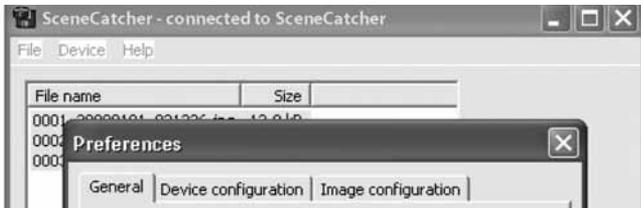
SETTINGS

There are some parameters that are not useful for all applications. The SceneCatcher always comes with a predefined parameter set.



Tab 3: Image configuration

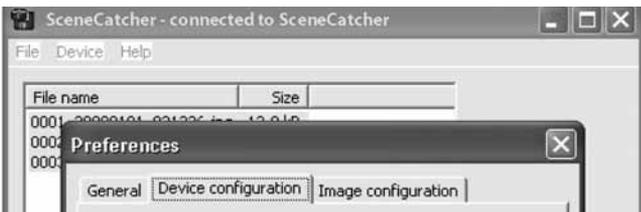
In this tab the user may change frame rates of recorded video.



Tab 1: General settings

In this tab the user may:

- Connect to first device on start up.
- Warn before overwriting files.
- Change the language to user's preference.



Tab 2: Device configuration

In this tab the user may:

- Rename the device so it is possible to differentiate the devices,
if more than one is connected.
- Split video files after a specified length of time.

Warranty

Bullard warrants to the original purchaser that the SceneCatcher Digital Video Recorder is free of defects in materials and workmanship under normal use and service for a period of two year from the date of purchase. Bullard's obligation under this warranty is limited to repairing or replacing, at Bullard's option, articles that are returned within the warranty period and that, after examination, are shown to Bullard's satisfaction to be defective, subject to the following limitations:

- Article must be returned to Bullard with shipping charges prepaid.
- Article must not be altered from its original configuration.

In no event shall Bullard be responsible for damages, loss of use, or other indirect incidental, consequential or special costs, expenses, or damages incurred by the purchaser, notwithstanding that Bullard has been advised of the possibility of such damages.

ANY IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO TWO YEARS FROM THE DATE OF PURCHASE OF THIS PRODUCT.

Service: Should your SceneCatcher require service, simply call Bullard Customer Service at 877-BULLARD (877-285-5273) to request a return authorization. Please have the SceneCatcher serial number available. The serial number is located on the top