

# Spout Capture

*SpoutCapture* is an application for Microsoft Windows that captures the visible desktop, the region of the desktop under the application window and also independent application windows.

Two Spout senders are created, one for the entire desktop and one for the selected region or application window.

## Installation

Unzip the distribution file into any convenient folder and run *SpoutCapture.exe* from the "bin" folder.

## Operation

*SpoutCapture* starts with display of the desktop capture.

The whole desktop is always captured at high speed using the [desktop duplication](#) method and can be received as "DesktopSender".

"Capture > Region" can be used to isolate the region of the desktop under the *SpoutCapture* window.

The application window is transparent to allow capture of the desktop beneath. When the window is moved or re-sized, the window sender is updated to send the new part of the desktop.

Position the *SpoutCapture* window and stretch to cover the part of the desktop required, such as an application of interest.

The region beneath the application window is received as "SpoutWindow".

"Capture > Window" can be used to capture individual application windows. This uses [Windows GDI](#) methods and is slower than desktop duplication but can be acceptable for many situations. 30 frames per second is typical at 1920x1080. Most desktop windows are smaller than this and 40-60 fps can be expected.

The "SpoutWindow" sender then shows the selected application window.

A **region** of interest is always part of the "visible" desktop, so can be obscured by other windows.

A **window** capture is independent and the selected application can be obscured without affecting the capture.

The capture will continue if *SpoutCapture* is minimized. This can result in improved frame rate for window capture.

## Menu options

### File menu

#### Exit

Quit the application.

### Capture menu

#### Desktop

Show the desktop capture.

#### Region

Captures the region under the application window.

#### Window

Click anywhere on an application window with the MIDDLE mouse button. That application is then captured instead of the region under the application window.

#### Show on Top

Keep the *SpoutCapture* window topmost or not.

### Help menu

#### Documentation

Open this document.

#### About

Information about *SpoutCapture*.

## Contact and License

Contact us at [spout.zeal.co](http://spout.zeal.co)

*SpoutCapture* is Licensed with the LGPL3 license.

-----  
Copyright (C) 2019-2024. Lynn Jarvis.

This program is free software: you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You will receive a copy of the GNU Lesser General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

-----