

se401.txt.txt

Linux driver for SE401 based USB cameras

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## INTRODUCTION:

The SE401 chip is the used in low-cost usb webcams. It is produced by Endpoints Inc. ([www.endpoints.com](http://www.endpoints.com)). It interfaces directly to a cmos image sensor and USB. The only other major part in a se401 based camera is a dram chip.

The following cameras are known to work with this driver:

Aox se401 (non-branded) cameras  
Philips PVCV665 USB VGA webcam 'Vesta Fun'  
Kensington VideoCAM PC Camera Model 67014  
Kensington VideoCAM PC Camera Model 67015  
Kensington VideoCAM PC Camera Model 67016  
Kensington VideoCAM PC Camera Model 67017

## WHAT YOU NEED:

- USB support
- VIDEO4LINUX support

More information about USB support for linux can be found at:  
<http://www.linux-usb.org>

## MODULE OPTIONS:

When the driver is compiled as a module you can also use the 'flickerless' option. With it exposure is limited to values that do not interfere with the net frequency. Valid options for this option are 0, 50 and 60. (0=disable, 50=50hz, 60=60hz)

## KNOWN PROBLEMS:

The driver works fine with the usb-ohci and uhci host controller drivers, the default settings also work with usb-uhci. But sending more than one bulk transfer at a time with usb-uhci doesn't work yet. Users of usb-ohci and uhci can safely enlarge SE401\_NUMSBUF in se401.h in order to increase the throughput (and thus framerate).

## HELP:

The latest info on this driver can be found at:  
<http://www.chello.nl/~j.vreeken/se401/>  
And questions to me can be send to:  
[pelrxq@amsat.org](mailto:pelrxq@amsat.org)