

Video Output Switcher Control

2006 luning.yu@intel.com

The output sysfs class driver provides an abstract video output layer that can be used to hook platform specific methods to enable/disable video output device through common sysfs interface. For example, on my IBM ThinkPad T42 laptop, The ACPI video driver registered its output devices and read/write method for 'state' with output sysfs class. The user interface under sysfs is:

```
linux:/sys/class/video_output # tree .
.
|-- CRT0
|   |-- device -> ../../../../devices/pci0000:00/0000:00:01.0
|   |-- state
|   |-- subsystem -> ../../../../class/video_output
|   `-- uevent
|-- DVI0
|   |-- device -> ../../../../devices/pci0000:00/0000:00:01.0
|   |-- state
|   |-- subsystem -> ../../../../class/video_output
|   `-- uevent
|-- LCD0
|   |-- device -> ../../../../devices/pci0000:00/0000:00:01.0
|   |-- state
|   |-- subsystem -> ../../../../class/video_output
|   `-- uevent
`-- TV0
    |-- device -> ../../../../devices/pci0000:00/0000:00:01.0
    |-- state
    |-- subsystem -> ../../../../class/video_output
    `-- uevent
```