

NAME

acpi_video - ACPI Video Extensions driver

SYNOPSIS

device acpi_video

DESCRIPTION

This driver uses the ACPI Video Extensions to control display switching and backlight brightness. The availability of the sysctl(8) variables depends on the functions offered by the host's ACPI implementation.

SYSCTL VARIABLES

The following sysctls are currently implemented, where *<device>* is *crt*, *lcd*, or *tv*:

hw.acpi.video.<device>.active

Current state of the output device.

hw.acpi.video.<device>.levels

List of supported brightness levels.

hw.acpi.video.<device>.brightness

Current brightness level of the device.

hw.acpi.video.<device>.fullpower

Preset brightness level to be used in full power mode.

hw.acpi.video.<device>.economy

Preset brightness level to be used in economy mode.

Defaults for these variables can be set in sysctl.conf(5), which is parsed at boot-time.

COMPATIBILITY

In order for **acpi_video** to attach correctly, **acpi_video** should be loaded after any of the DRM kernel modules. This can be achieved by setting the correct order in rc.conf(5) using the *kld_list* directive.

SEE ALSO

acpi(4), loader.conf(5), sysctl.conf(5), sysctl(8)

HISTORY

The **acpi_video** driver first appeared in FreeBSD 5.3.

AUTHORS

The **acpi_video** driver was written by Taku YAMAMOTO <*taku@cent.saitama-u.ac.jp*>. This manual page was written by Mark Santcroos <*marks@ripe.net*>.

BUGS

Some systems only perform output switching via SMM even though they export the proper information via ACPI. On such systems, the proper hotkeys or OEM driver (for example, `acpi_toshiba(4)`) must be used instead.