

**NAME**

modesetting – video driver for framebuffer device

**SYNOPSIS**

**Section "Device"**

**Identifier** "*devname*"

**Driver** "**modesetting**"

**BusID** "*pci:bus:dev:func*"

...

**EndSection**

**DESCRIPTION**

**modesetting** is an Xorg driver for KMS devices. This is a non-accelerated driver, the following framebuffer depths are supported: 8, 15, 16, 24. All visual types are supported for depth 8, and TrueColor visual is supported for the other depths. RandR 1.2 is supported.

**SUPPORTED HARDWARE**

The **modesetting** driver supports all hardware where a KMS driver is available. modesetting uses the Linux DRM KMS ioctls and dumb object create/map.

**CONFIGURATION DETAILS**

Please refer to xorg.conf(5) for general configuration details. This section only covers configuration details specific to this driver.

For this driver it is not required to specify modes in the screen section of the config file. The **modesetting** driver can pick up the currently used video mode from the kernel driver and will use it if there are no video modes configured.

For PCI boards you might have to add a BusID line to the Device section. See above for a sample line.

The following driver **Options** are supported:

**Option "kmsdev" "*string*"**

The framebuffer device to use. Default: /dev/dri/card0.

**Option "ShadowFB" "*boolean*"**

Enable or disable use of the shadow framebuffer layer. Default: on.

**SEE ALSO**

Xorg(1), xorg.conf(5), Xserver(1), X(7)

**AUTHORS**

Authors include: Dave Airlie