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## Linux find out my VIDEO Card Memory RAM size using command line utility

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Q. I have a quick question for you, Vivek: I'm trying to find out my NVIDIA display card memory size. I'm using Fedora Core Linux. How do I find out my VIDEO Card Memory size?

A. you need to use `lspci` command. It is a utility for displaying information about all PCI buses in the system and all devices connected to them.

If you just type `lspci`, you will get output as follows with the list of attached PCI cards:



[1]

```
$ lspci
```

Output:

```
00:00.0 Host bridge: Intel Corporation 82845G/GL[Brookdale-G]/GE/PE DRAM Controller/Host-Hu
00:02.0 VGA compatible controller: Intel Corporation 82845G/GL[Brookdale-G]/GE Chipset Inte
00:1d.0 USB Controller: Intel Corporation 82801DB/DBL/DBM (ICH4/ICH4-L/ICH4-M) USB UHCI Cor
00:1d.1 USB Controller: Intel Corporation 82801DB/DBL/DBM (ICH4/ICH4-L/ICH4-M) USB UHCI Cor
00:1d.2 USB Controller: Intel Corporation 82801DB/DBL/DBM (ICH4/ICH4-L/ICH4-M) USB UHCI Cor
00:1d.7 USB Controller: Intel Corporation 82801DB/DBM (ICH4/ICH4-M) USB2 EHCI Controller (i
00:1e.0 PCI bridge: Intel Corporation 82801 PCI Bridge (rev 82)
00:1f.0 ISA bridge: Intel Corporation 82801DB/DBL (ICH4/ICH4-L) LPC Interface Bridge (rev C
00:1f.1 IDE interface: Intel Corporation 82801DB (ICH4) IDE Controller (rev 02)
00:1f.3 SMBus: Intel Corporation 82801DB/DBL/DBM (ICH4/ICH4-L/ICH4-M) SMBus Controller (rev
00:1f.5 Multimedia audio controller: Intel Corporation 82801DB/DBL/DBM (ICH4/ICH4-L/ICH4-M)
01:00.0 Network controller: RaLink RT2561/RT61 rev B 802.11g
01:02.0 Multimedia video controller: Brooktree Corporation Bt878 Video Capture (rev 11)
01:02.1 Multimedia controller: Brooktree Corporation Bt878 Audio Capture (rev 11)
01:05.0 Ethernet controller: Realtek Semiconductor Co., Ltd. RTL-8139/8139C/8139C+ (rev 10)
```

You need to use string called devices in the specified domain - 00:02.0 VGA (highlighted in red color to display memory info);

```
$ lspci -v -s 00:02.0
```

Output:

```
00:02.0 VGA compatible controller: Intel Corporation 82845G/GL[Brookdale-G]/GE Chipset Inte
Subsystem: Giga-byte Technology Unknown device 2562
Flags: bus master, fast devsel, latency 0, IRQ 177
Memory at d0000000 (32-bit, prefetchable) [size=128M]
Memory at d8200000 (32-bit, non-prefetchable) [size=512K]
Capabilities:
```

This listing shows an Intel video card with 128 MB of video RAM. If you cannot find devices in the specified domain use following command and look for your display card name and memory field:

```
$ lspci -v | less
```

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