

## DVI - Your Digital Connection

The new PC, video card, monitor or display you're thinking of buying includes a "DVI-(A, D, I)" connection. What the heck IS DVI? Is it different from a standard VGA connector of old? You bet.

DVI stands for Digital Video Interface and is a specification created by the Digital Display Working Group (DDWG). DVI was designed as a way to provide analog and digital signals from a single connector. This was a good way for the industry to slowly, but surely, migrate all of us users to a "digital video" world.

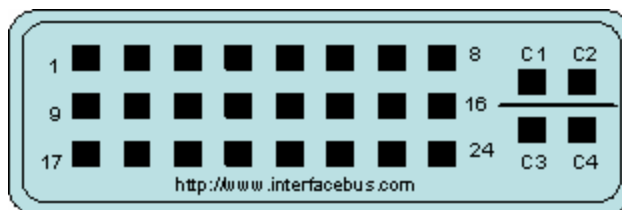
There are three DVI configurations:

- DVI-A - for analog connections (you won't see this one much, if at all)
- DVI-D - for digital connections only
- DVI-I - (integrated) for both digital and analog connections.

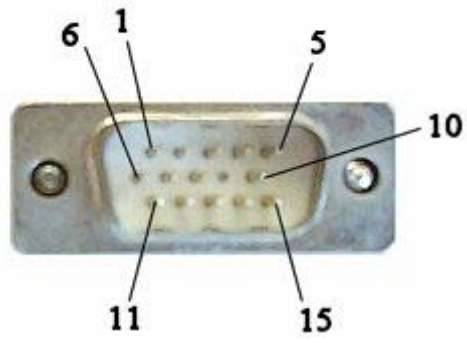
If you therefore, have a video graphics card with a DVI-I connection, for analog LCDs or CRT's a conversion from digital to analog is performed, for digital LCDs, no conversion is necessary or performed. You'll find most of the "better" graphics cards and LCDs now support DVI-I. It's a more efficient way to design systems that inclusion of a DVI-D connector along with a VGA port as well.

We've included a schematic of DVI-I connector and a VGA connector below.

### DVI



VGA



June, 2005