

*EXHIBIT 5*

*User's Manual*

*User's Manual*

### NOTICE

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### LIMITED WARRANTY

This product is warranted against defects in materials and workmanship for a period of one year from the date of purchase. During the warranty period, product determined by us to be defective in form or function will be repaired or, at our option, replaced at no charge. This warranty does not apply if the product has been damaged by accident, abuse, misuse, or as a result of service or modification other than by the company.

This warranty is in lieu of any other warranty expressed or implied. In no event shall the company be held liable for incidental or consequential damages, such as lost revenue or lost business opportunities arising from the purchase of this product.

## Appendix : FCC Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesirable operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used properly, in strict accordance with the manufacturer's instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one of more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult an experienced radio/TV technician for help and additional suggestions.

The user may find the following booklet prepared by the Federal Communications Commission helpful: "How to Identify and Resolve Radio-TV Interference Problems." It is available from the U.S. Government Printing Office, Washington, D.C. 20402, Stock No. 004-000-00345-4.

### FCC Warning

The user is cautioned that changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

**NOTE:** In order for an installation of this product to maintain compliance with the limits for a class B device, shielded cables and power cord must be used.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

## Chapter 1: Introduction

The Intel<sup>®</sup> 740 feature set is a graphics hardware tool furnishing with different functions that can improve the speed and visual quality of 2D and 3D applications. The Intel<sup>®</sup> 740 works with the open GL<sup>®</sup> Microsoft Direct<sup>®</sup> X and Windows<sup>®</sup> 32 programming interface. Both the open GL<sup>®</sup> and the Direct X<sup>®</sup> APIs allow graphics programs a standard way to invoke 2D, 3D functions and let software applications to be hardware independent. The Intel<sup>®</sup> 740's accelerated functions are callable from the Open GL<sup>®</sup> Direct<sup>®</sup> X and Windows<sup>®</sup> 32 application programs.

### 1.1 VGA Adapter features include:

1. High-performance 64-bit 2D/3D Intel<sup>®</sup> 740 engine.
2. Over 100 MHz High speed, SDRAM / SGRAM for ultra performance.
3. Designed for Pentium II AGP System.
4. Display memory 2MB~8MB SDRAM / SGRAM.
5. Maximum resolution of 1280X1024.
6. DPMS, DDC Support.
7. Direct<sup>®</sup> X Support.
8. DMA Mastering.
9. High performance 3D engine.
10. Z Buffering support.
11. Backface Culling support.
12. Anti-Aliasing support.
13. TV out support.
14. Viedoman Camera support.

## 1.2 Specification:

@Intel 740™ Graphics Accelerator chipset.

@ Supports 2MB~8MB of SGRAM or SGRAM , up to 100 MHz.

@Supports up to 133MHz AGP with sidebands and pipelining.

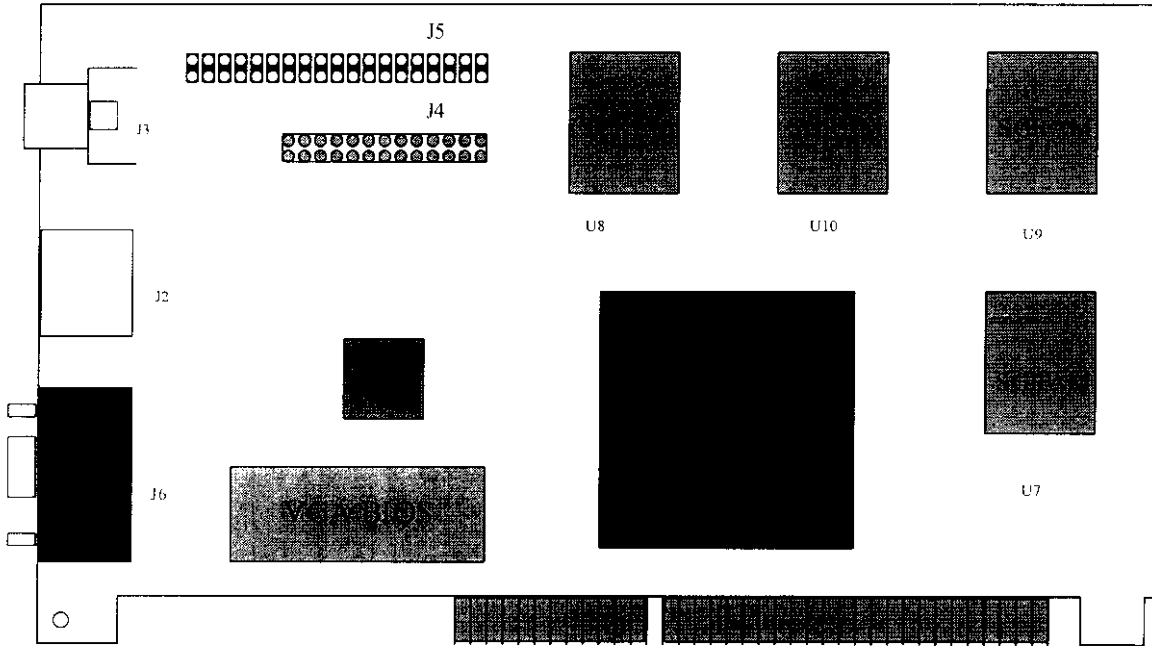
@Supports Hyper-Pipelined computing architecture for high-performance 3D Animation and CAD.

@Optional connection to NTSC / PAL standard television through a standard composite video jack or S-video jack.

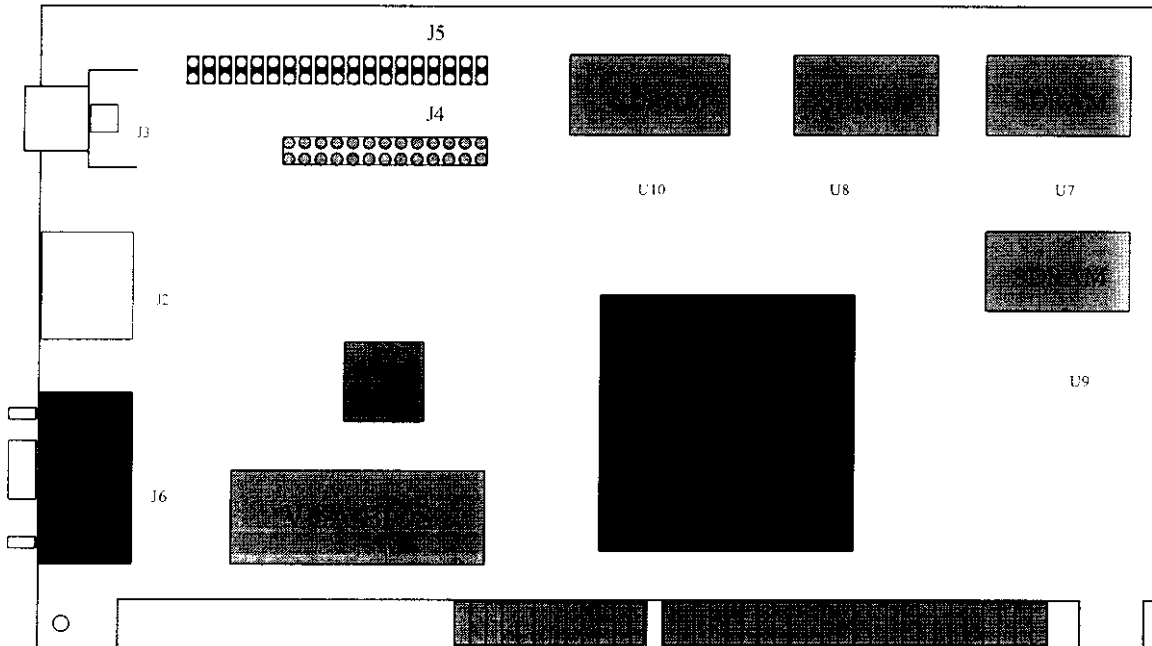
@Max resolution to 1280X1024 High color in 3D and 1600X1200 true color in 2D.

@Support 3D Graphics Visual Enhancements and 3D Graphics Textual Enhancements features.

## 2. Layout Placement



Note: SGRAM Type : 256K \*32 / 512K\*32



Note: SDRAM Type : 1M \*16

## 1.4 VGA Chip

Intel® 740

## 1.5 VGA BIOS

This is the software interface for Programmers to program the VGA card. It simplifies and unifies programming of the display card. The Intel® 740 supports a maximum video BIOS size of 1MB.

AGP Bus connector

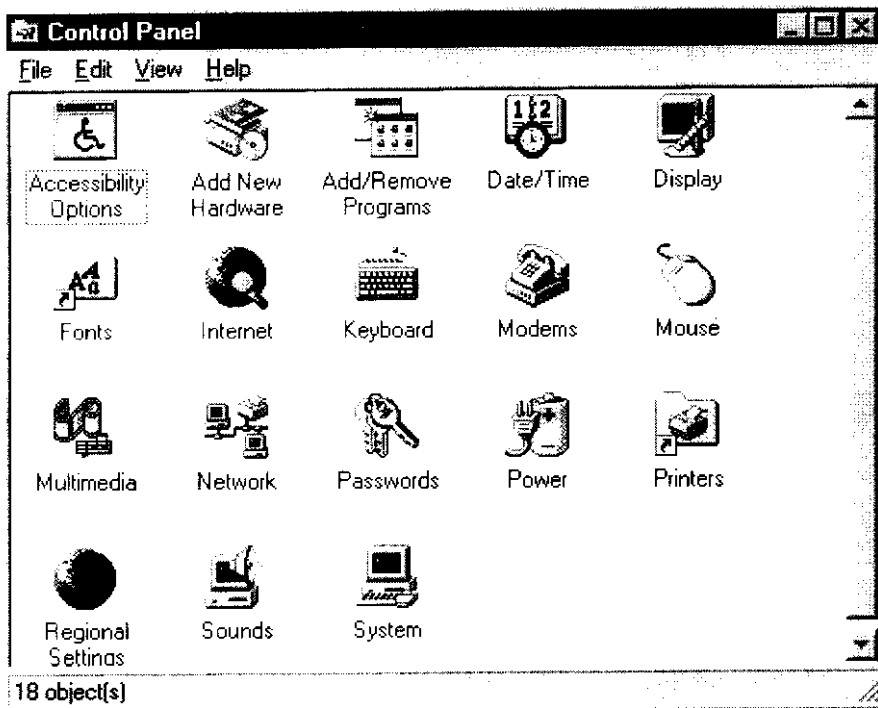
AGP expansion slot Bus connector

## Chapter 2 : Installation

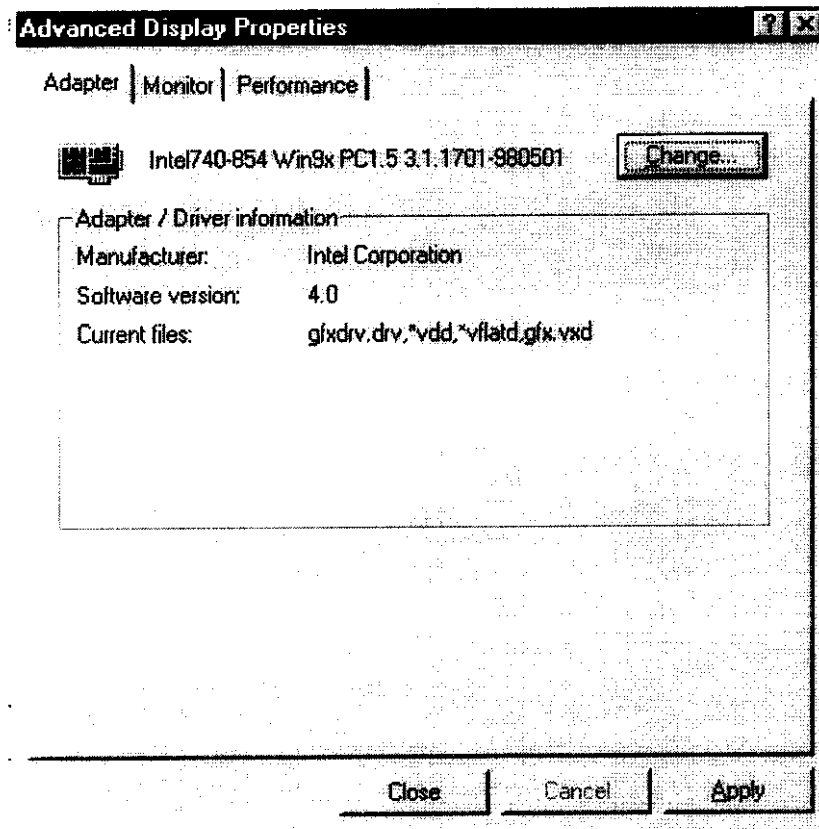
### 2.1 Microsoft Windows® 98 Drivers

Windows® 98 Beta 3 or up to date edition can support all Direct 3D and AGP function. If your operation systems not suitable version please renew system or upgrade Windows edition, then install INTEL 740 Driver.

## SETUP VGA MODE



Set VGA mode path: **Start \ Settings \ control Panel \ Display \ Settings \ Change Display Type \ Under " Adapter Type "** , click on the " **Change** " button.



Show Select Device dialog box and follow the directions below to setup VGA mode.



## SETUP DRIVER

1. To install the optimized drivers for Windows<sup>®</sup> 98 without installing the support files. You must be running Windows<sup>®</sup> 98 and follow these steps.
2. Turn on your computer and start Windows<sup>®</sup> 98.
3. Insert the drivers CD into your CD-ROM driver.
4. Click **Start** and then point to setting.
5. Click **Control Panel**.
6. Double - Click **Display properties** icon.
7. Click the settings and choose **Advanced properties** icon.
8. Click **Have Disk** .
9. Click **Browse** icon and Choose **Intel<sup>®</sup> 740-854 Windows<sup>®</sup> 98 PCI.5 3.1.1701-980501**.
10. Click twice **Next** icon then get **GFX.INF**.
11. Click twice **OK** icon then get **Intel<sup>®</sup> 740-854 Windows<sup>®</sup> 9X PCI .5 3.1.701-980501**.
12. Click **OK** icon.
13. Installation procedure completed

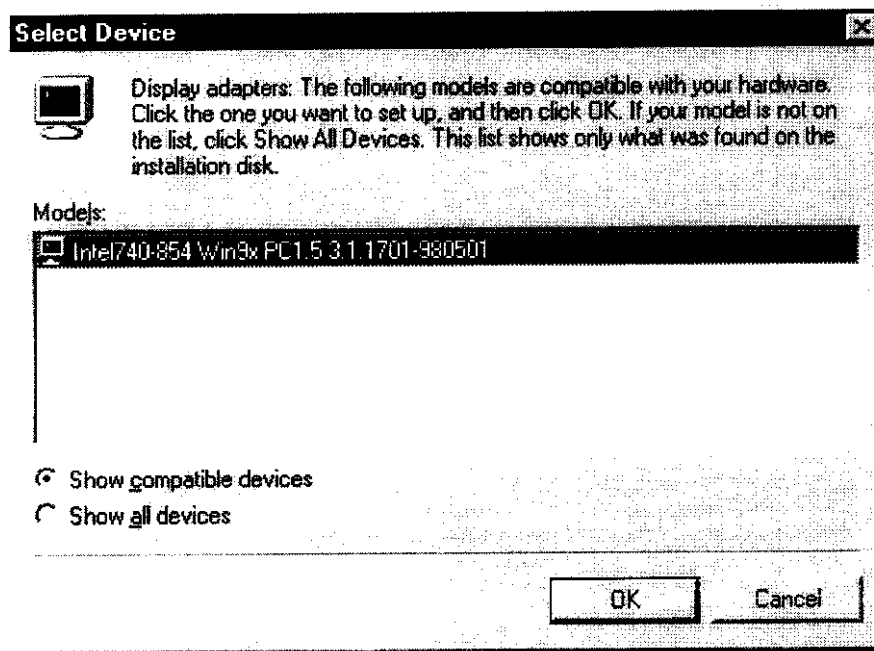
## 2.2 Microsoft Windows<sup>®</sup> 95 Drivers

INTEL 740 must working with Windows<sup>®</sup> 95 OSR2.1 edition or above,If you aren't, please upgrade to OSR2.1 then install driver. (it's on your Windows<sup>®</sup> 95 CD D:/usb/eusbsupp and run usbsupp.exe , or Download it on Microsoft<sup>®</sup> web ) Windows<sup>®</sup> 95 OSR2.1 version number is 4.03.1212 or 4.03.1214

### • SETUP DRIVER

- 1.To install the optimized drivers for Windows<sup>®</sup> 95 without installing the support files, you must be running Windows<sup>®</sup> 95 and follow these steps.
  - 2.Turn on your computer and start Windows<sup>®</sup> 95.
  - 3.Insert the drivers CD into your CD-ROM driver.
  - 4.Click start and then point to setting you need to run usbsupp.exe (it's on your Windows<sup>®</sup> 95 CD D:/usb/eusbsupp and run usbsupp.exe or Download it on Microsoft<sup>®</sup> web )
  - 5.Click start and then point to setting.
-

6. Click control panel.
7. Double - Click **Display properties** icon.
8. Click the settings and choose **Advanced properties** icon.
9. Click **Have Disk**.
10. Click Browse icon and choose **Intel® 740-854 Win9x PC1.5.3.1.170-980501**.
11. Choose twice next icon then to get **GFX.INF**.
12. Click twice OK icon then get **Intel® 740-854 Win9x PC1.5.3.1.170-980501**.



13. Click **OK** icon.
14. Installation procedure completed.

## 2.3 Microsoft Windows® NT Drivers

If you are running Windows® NT, please note that drivers for Windows® NT 4.0 are not compatible with earlier releases of Windows® NT, and *vice versa*. Consult your dealer, local user support groups or on-line services from time to time to ensure you have the latest release for the version of Windows® NT you are running. To install the optimized display drivers for Windows® NT, you must be running Windows® NT and follow Microsoft® standard display driver installation procedure as documented in the Windows® NT user manual. Note the somewhat different installation procedures between Windows® NT 4.0 and earlier release.

## • SETUP DRIVER

1. Start Windows<sup>®</sup> NT, switch properties to Windows<sup>®</sup> NT workstation version 4.0 mode then you need to restart and run of the chosen Windows<sup>®</sup> NT workstation version 4.0 mode.
2. Insert the drivers CD into your CD-ROM driver.
3. Click **Start** and then point to setting.
4. Click **Control Panel**.
5. Double - Click **Display properties** icon.
6. Click the setting and choose **Advanced properties** icon.
7. Click **Change** then click **Have Disk**.
8. Click **Browse** icon and choose Intel<sup>®</sup> 740
9. Choose Windows<sup>®</sup> NT and Oemsetup.
10. Click twice **OK** icon then get Intel<sup>®</sup> 740 video Accelerator.
11. Click **OK** icon.
12. Installation procedure completed.

## Chapter 3: Technical Information

### 3.1 Display Memory Configuration

The following resolutions / colors require 4M Byte memory:

- 1600 X 1200 in 256, 64K colors
- 1280 X 1024 in 256, 64K color
- 1204 X 768 in 256, 64K, 16.7M colors
- 800 X 600 in 256, 64K, 16.7M colors
- 640 X 480 in 256, 64K, 16.7M colors

Display information

The following tables provide information on display formats supported By Intel® 740 Graphics Accelerator.

Resolution (horizontal x vertical )	Color Depth (bits per pixel)	Memory Configuration (MB)	Vertical Refresh Rates (Hz)	Interlace Support
320x200	4, 8, 16, 24	4,8	60, 72, 75, 85	
320x240	4, 8, 16, 24	4,8	60, 72, 75, 85	
512x384	4, 8, 16, 24	4,8	60, 72, 75, 85	
640x350	4, 8, 16, 24	4,8	85	
640x480	4, 8, 16, 24	4,8	60, 72, 75, 85	
800x600	4, 8, 16, 24	4,8	56, 60, 72, 75, 85	
1024x768	8,16,24	4,8	60, 70, 75, 85	X <sup>2</sup>
1152x864	8,16	4,8	75	
1280x1024	8,16	4,8	60, 75, 85	X <sup>2</sup>
1600x1200	8	4,8	60, 75	X <sup>2</sup>

**3.2 If you purchase our Capture Card. You can connect it with Videoman Camera.**