



User's Manual

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3907664

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Packing List:

Please check the package content before you starting using the board.

Hardware:

3907664 PCI Bus Video Capture Card	X 1
BNC Board (p/n: SD-BNC)	X 1
Wire for Video Input	X 3
Utility CD	X 3

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Chapter 1 <Introduction>

1.1 <Product Overview>

Global American's 3907664 is a 4 channel Video input PCI Bus Video Capture Card that supports up to D1 resolution at 30/25 fps. 3907664 is allowed 4 Cards which installs in one PC system. By utilizing an onboard Jumper setting that identifies card ID. Also 3907664 supports NTSC/PAL signals .Total fps up to 120/100 at NTSC / PAL.

1.2 <Hardware requirement>

- I. Intel Pentium III 1.0 GHz or above (The CPU speed depends on the video Frame rate , channels and resolution)
- II. 256 MB RAM or above
- III. Free PCI slot

1.3 <Software requirement>

Microsoft Windows 2000/XP with DirectX 9.0 or above

1.4 <Block Diagram>

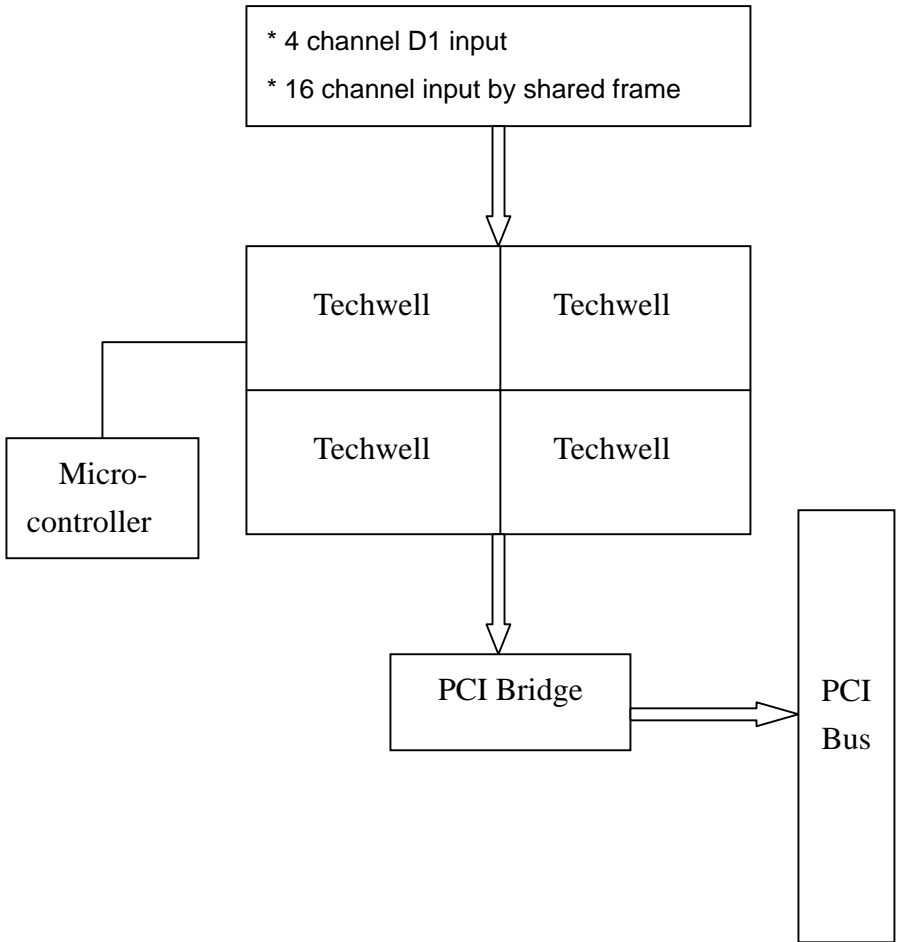


Figure 1.1 System Diagram

1.5 <Dimensions>

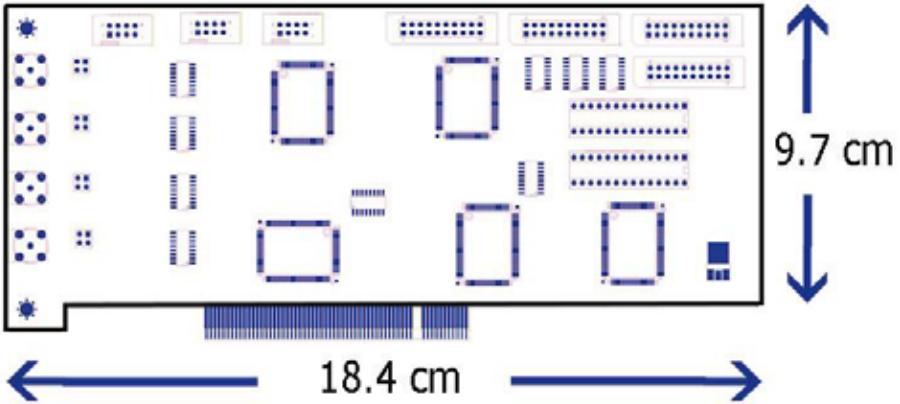


Figure 1.2 Dimensions

1.6 <Jumpers & connectors location >

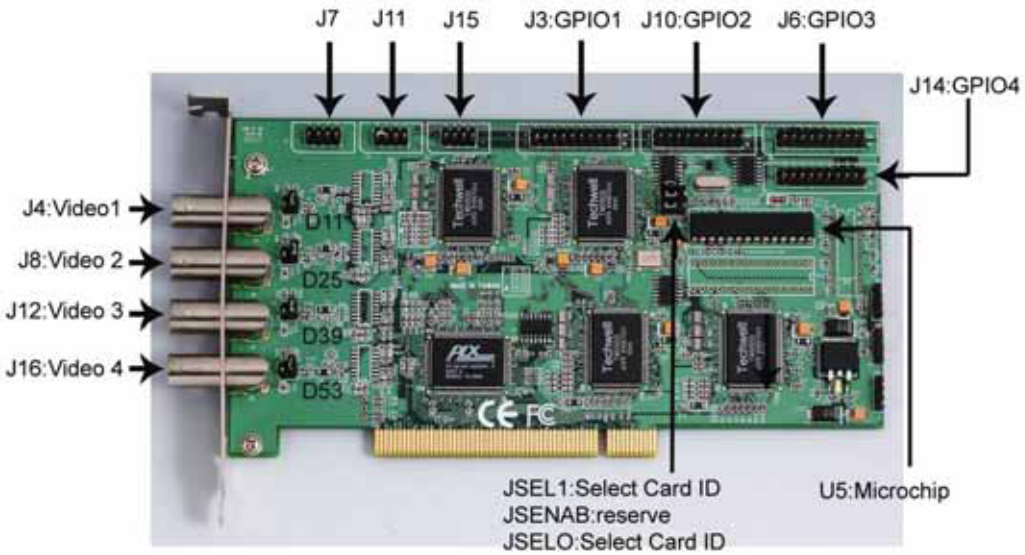


Figure 1.3 Jumpers and connectors location

1.7 <Jumpers & connectors definition >

1.7.0 Card ID Selection :

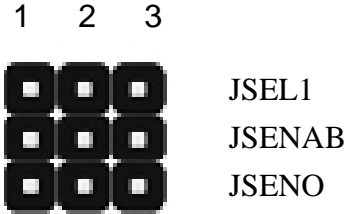


Figure 1.4

Card ID = 0



Card ID = 1



Card ID = 2



Card ID = 3



1.7.1 Video input connector

Standard D1 input : J4 , J8 , J12 , J16

J4/J8/J12/J16 is the standard video input of 3907664. D1 resolution and real time frame rate can be available through this connector.

16 channels input by shared frame : J7 , J11 , J15

With share frame technology, 3907664 can receive up to 16 channel composite inputs through J7 , J11 , J15.

(The resolution and captured frame rate is related to the performance of the system hardware and limited by PCI bandwidth.)

1.7.2 4 x 8-bit Digital I/O

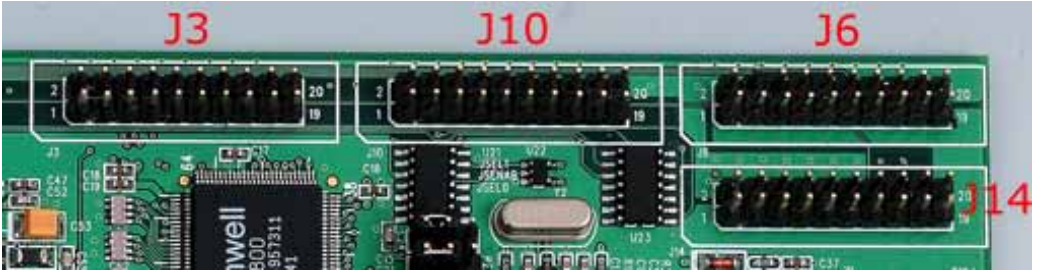
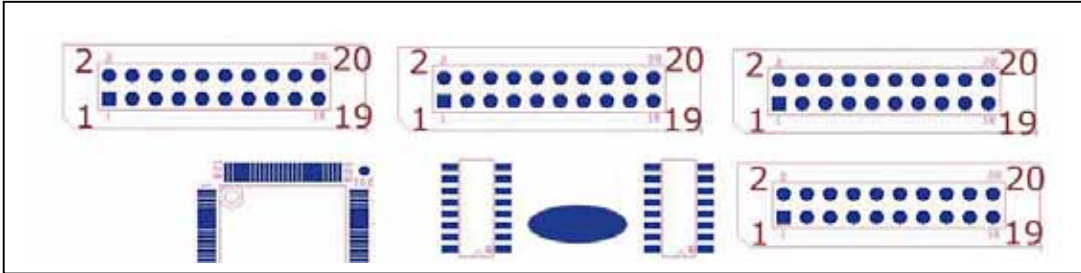


Figure 1.5



	1		2		3		4	
GPIO 0	J3	Pin 4	J3	Pin 6	J3	Pin 8	J3	Pin 10
GPIO 1	J6	Pin 4	J6	Pin 6	J6	Pin 8	J6	Pin 10
GPIO 2	J10	Pin 4	J10	Pin 6	J10	Pin 8	J10	Pin 10
GPIO 3	J14	Pin 4	J14	Pin 6	J14	Pin 8	J14	Pin 10
GPIO 4	J3	Pin 12	J3	Pin 14	J3	Pin 16	J3	Pin 18
GPIO 5	J6	Pin 12	J6	Pin 14	J6	Pin 16	J6	Pin 18
GPIO 6	J10	Pin 12	J10	Pin 14	J10	Pin 16	J10	Pin 18
GPIO 7	J14	Pin 12	J14	Pin 14	J14	Pin 16	J14	Pin 18

1.8 <Hardware installation >

1. Turn off your computer and unplug the power cord.
2. Remove the cover of your computer.
3. Touch the metal part on the surface of your computer to neutralize any static electricity that might be on your body.
4. Set the Card ID.
5. Place the 3907664 into the Motherboard's PCI slot and connect Corresponding accessories to the 3907664
6. Replace the cover of your computer chassis
7. Plug in the power cord and turn on the computer.

Any advice or comments about our products and service, or anything we can help you with please don't hesitate to contact with us. We will do our best to support you for your products, projects and business.

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