SP-501

User's Manual

Edition 1.0 2008/7/3



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Any questions please visit our website at http://www.commell.com.tw.

Packing List:

Hardware:

SP-501 PCI Capture Card x1

Cable kit:



BNC Cable x 2



Audio Cable x 1 (optional)

CD Content:

Drivers & User's Manual

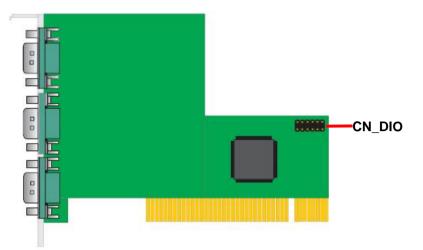
1.0 < Product Specification>

General Specific	cation
Form Factor	PCI Card with 120-pin interface
Controller	One dataGATE MV9200
Accessories	2 x D-sub 9 to 8 x BNC connector cable
	1 x D-sub 9 to 2 channel audio cable
Features	16 channel video input for camera
	Support NTSC/PAL video decoding 120 fps at NTSC/PAL
	Support image capture resolutions up to
	768 x 576 (PAL)
	720 x 480 (NTSC)
Dimensions (L x W)	120mm x 97mm
Ordering Code	
SP-501H	16 ch video and 2 ch audio input with SDK provided
SP-501HA	16 ch video and 2 ch audio input with Scode DVR program

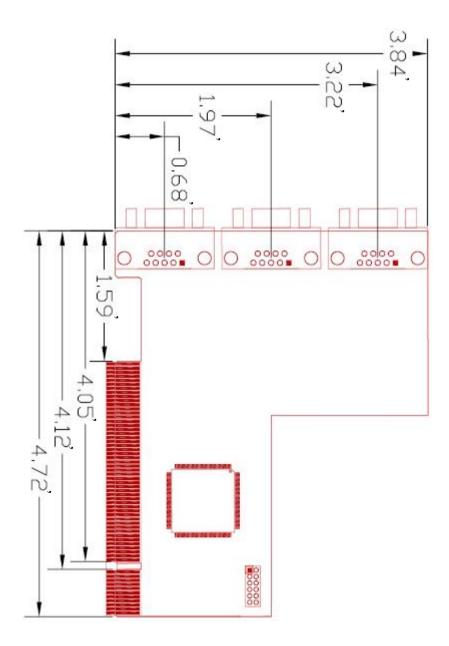
Recording & monitor

Input	Resolution	Frame rate
4 Channel	D1	15 fps/per channel
	CIF	30 fps/per channel
8 Channel	D1	7.5 fps/per channel
	CIF	15 fps/per channel
12 Channel	D1	5 fps/per channel
	CIF	10 fps/per channel
16 Channel	D1	3.75 fps/per channel
	CIF	7.5 fps/per channel

1.1 <Component Placement>



1.2 < Mechanical Drawing>



1.3 <Connector Reference>

Connector: CN_DIO Type: 12-pin (6x2) header



Pin	Description	Pin	Description
1	GND	2	GND
3	IO1	4	IO5
5	IO2	6	106
7	IO3	8	107
9	IO4	10	IO8
11	+5V	12	+3.3V

1.4 <Driver Setting>

1. Please choose Device Manager

Systemme	store Autom	atic Updates	Remote
General	Computer Name	Hardware	Advanced
Device Man	ager		
🛒 on	e Device Manager lists al your computer. Use the E operties of any device.		
		Device M	anager
	iver Signing lets you make mpatible with Windows, W		
ho	w Windows connects to \ Driver Signing		drivers.
ho Hardware Pr	w Windows connects to \ Driver Signing	Windows Úpdate for	drivers.
Hardware Pr	w Windows connects to \ Driver Signing	Windows Update for Windows I way for you to set up	drivers.
Hardware Pr	w Windows connects to Driver Signing ofiles ardware profiles provide a	Windows Update for Windows I way for you to set up	drivers.

2. Then you can see other devices

Device Manager	
ile Action View Help	
12	
- 🚇 FFF-4814CF1CE0E 🕀 💡 Computer	
E S Disk drives	
E Biscarros	
🐨 🔂 Human Interface Devices	
IDE ATA/ATAPI controllers	
📩 🧮 Kauka anda	
🕀 👰 Monitors	
💼 🧱 Network adapters	
🖻 🥵 Other devices	
🕺 🚰 Multimedia Controller	
🗄 🍠 Ports (COM & LPT)	
🕀 🛲 Processors	
🗄 🧶 Sound, video and game controllers	
🗄 闅 System devices	
🗄 🥰 Universal Serial Bus controllers	
1655k	

3. Please choose Multimedia Controller then press Reinstall Driver

Multime	dia Cont	roller P	roperties	i i				?×
General	Driver	Details	Resources					
\diamond	Multimed	dia Contro	oller					
	Device t	ype:	Other dev	vices				
	Manufac	cturer:	Unknowr	n				
	Location	r:	PCI Slot	1 (PCI Ы	us 2, de	vice 1, fi	unction	n 0)
			gured correc or this device			Driver.		~
					Reir	nstall Driv	ver	
Device		11.5						
Use th	is device (enablej						
				(Ok		Ca	ancel

4. Please choose NO [,] not this time press next

Welcome to the Hardware Update Wizard
Windows will search for current and updated software by looking on your computer, on the hardware installation CD, or on the Windows Update Web site (with your permission). <u>Read our privacy policy</u>
Can Windows connect to Windows Update to search for software?
Yes, this time only
 Yes, now and every time I connect a device No, not this time
Click Next to continue.
< Back Next> Cancel

5. Please choose Install from a list on specific Location

Found New Hardware Wize	ard
	This wizard helps you install software for: Multimedia Controller If your hardware came with an installation CD or floppy disk, insert it now.
	What do you want the wizard to do? Install the software automatically (Recommended) Install from a list or specific location (Advanced) Click Next to continue.
	<pre>< Back Next > Cancel</pre>

6. Please select file location E:\Driver\SP-501 then press OK

lardware Update Wizard
Please choose your search and installation options.
Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM)
Include this location in the search:
E:\Driver\SP-501
O Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
< Back Next > Cancel

7. After driver install, please enter Device Manager then select Mv9200 WDM press properties.

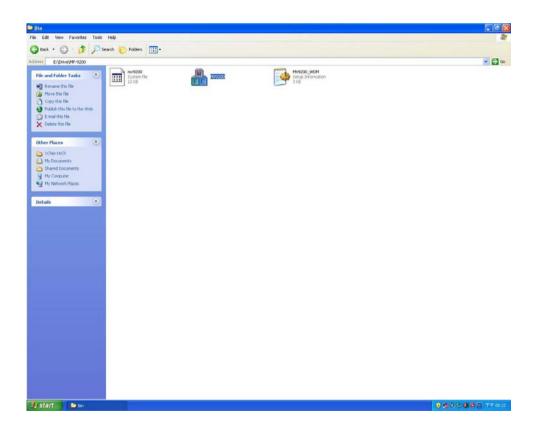
le Action View Help	
· -> 🔟 🎒 😫 🔕	
🕀 🥌 Disk drives	
连 😼 Display adapters	
E S DVD/CD-ROM drives	
🗄 🗃 Floppy disk controllers	
🗄 🤳 Floppy disk drives	
🗈 🖾 Human Interface Devices	
🗄 🚍 IDE ATA/ATAPI controllers	
E Meyboards	
White and other pointing devices Monitors	
Wetwork adapters	
Ports (COM & LPT)	
Ø Sound, video and game controllers Ø Audio Codecs	
Audio Codecs Odecs Legacy Audio Drivers	
Legacy Addio Drivers One Legacy Video Capture Devices	
Media Control Devices	
Realtek High Definition Audio	
Video Codecs	

<1.5> Sample Program:

1.5.1

When you completed hardware & software installation, please find the " MV9200

" in the CD



1.5.2

Please double -- click " DrvTest , It'll pops up as following.

Then Please Push " Control " on the left-upper Menu.

COMMELI	. @co		MMELL	
COMMELI		Dialog Dialog Ende Widh Height Standard Dob 320 240 N155 F Dob 700 220 N155 F Dob 202 240 N155 F Dob 202 240 N155 F Dob 320 240 N155 F Dob 200 240 N155 F Dob 200 240 N155 F Dob 200 240 N155 F	MMELL	
COMMELI	. @ca	Ch0 320 240 NTSC Ch10 320 240 NTSC Ch11 320 240 NTSC Ch12 320 240 NTSC	MMELL	
			MMELL	

You 'll get the video show .

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Contact Information

Any advice or comment about our products and service, or anything we can help you 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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