
User Guide

For the : D1416/PV416

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1 D1416/PV416 Installation Guide

To enhance surveillance recording quality, recommended CPU as following:

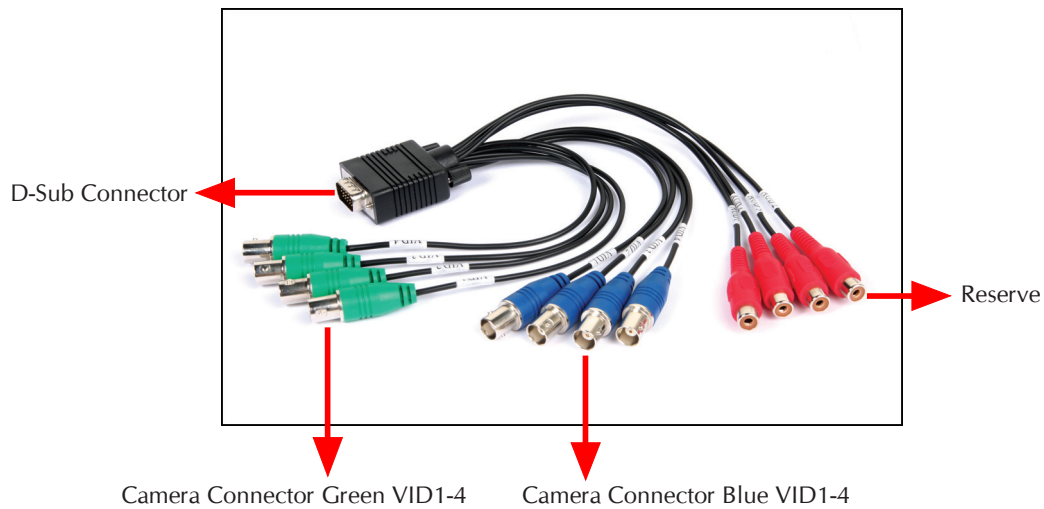
- Windows XP : E1400 or higher CPU
- Windows Vista : E2200 or higher CPU

This document provides essential installation information of PV416 surveillance card

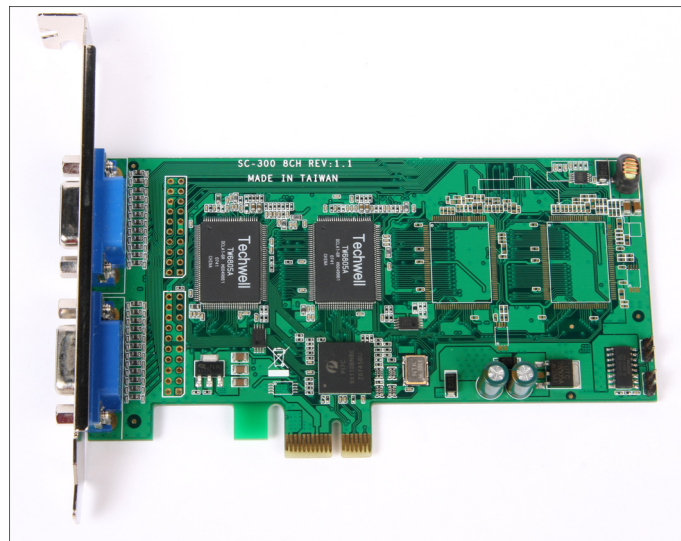
■ 1.1 Package Contents

CD Driver(Driver + Manual + Quick Guide)

PV416 surveillance cable x2



PV416 surveillance card x1

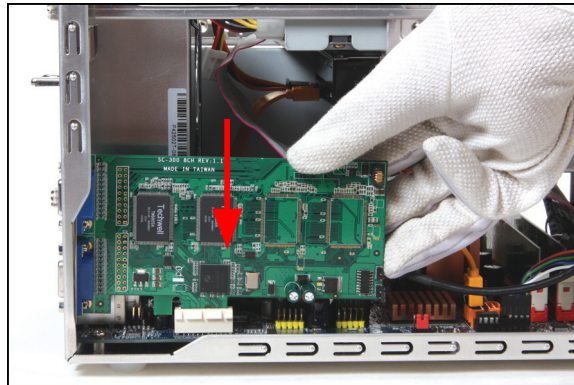
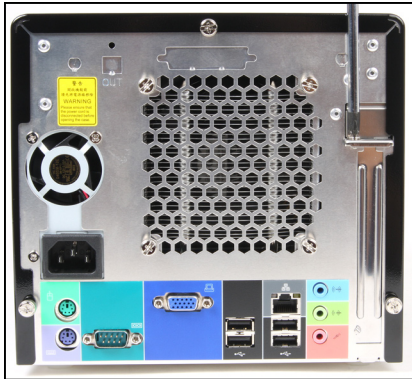


If there are items missing, please contact your local authorized Shuttle dealer.

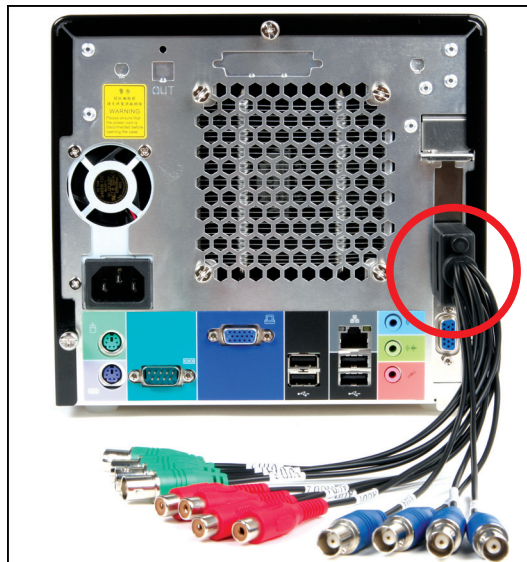
■ 1.2 Hardware Installation

PV416 surveillance card :

- Install the PV416 surveillance card into the PCI-e x1 slot on back panel.



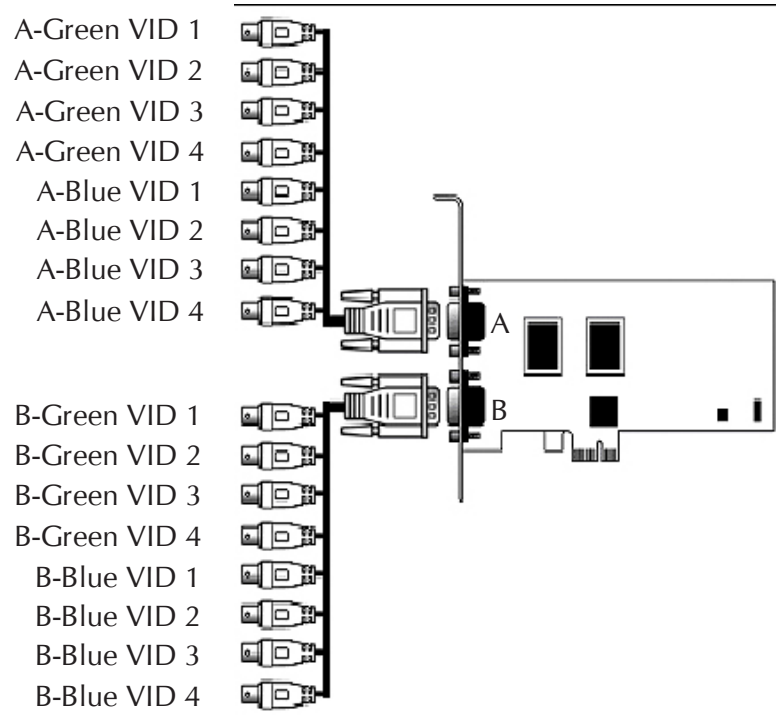
- Install the PV416 surveillance cable into the D-Sub ports.



Warning!! The regular D-Sub (display monitor) should be connected to onboard D-Sub port, and surveillance cable should be connect to PV416 surveillance card.

Cable Connection :

- channel order sequence will be different according the different setting of channel and chip number, please refer to the chart below.



Channels	16	8		4		
Chipset	4	4	2	4	2	1
CH01	A-Green VID1	A-Green VID1	A-Green VID1	A-Green VID1	A-Green VID1	A-Green VID1
CH02	A-Blue VID1	A-Blue VID1	A-Blue VID1	A-Green VID2	A-Blue VID1	A-Blue VID1
CH03	B-Green VID1	A-Green VID2	B-Green VID1	A-Green VID3	A-Green VID2	B-Green VID1
CH04	B-Blue VID1	A-Blue VID2	B-Blue VID1	A-Green VID4	A-Blue VID2	B-Blue VID1
CH05	A-Green VID2	A-Green VID3	A-Green VID2			
CH06	A-Blue VID2	A-Blue VID3	A-Blue VID2			
CH07	B-Green VID2	A-Green VID4	B-Green VID2			
CH08	B-Blue VID2	A-Blue VID4	B-Blue VID2			
CH09	A-Green VID3					
CH10	A-Blue VID3					
CH11	B-Green VID3					
CH12	B-Blue VID3					
CH13	A-Green VID4					
CH14	A-Blue VID4					
CH15	B-Green VID4					
CH16	B-Blue VID4					

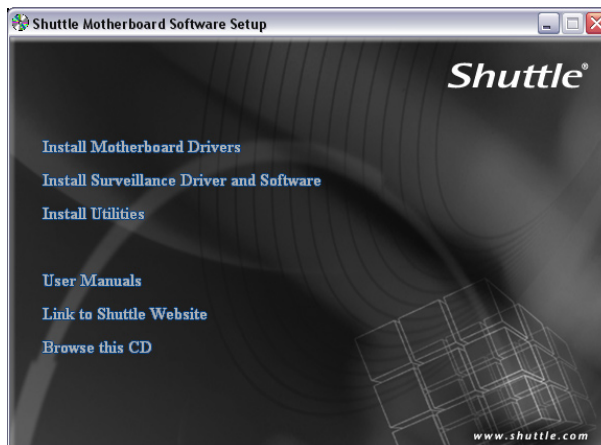
■ 1.3 Camera Connection

- Connect the camera to the BNC jack on the D-Sub cable that provide with the package.

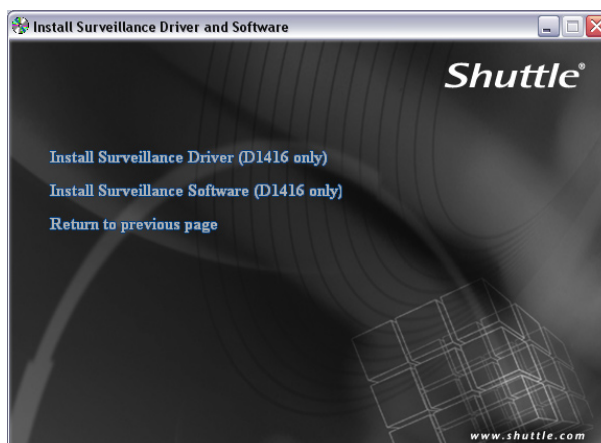
■ 1.4 Software Installation

1.4.1 D1416 surveillance driver and software installation :

- ☞ Install Motherboard Drivers
- ☞ Install Surveillance Driver and Software -
Install Surveillance Driver(D1416 only),
Install Surveillance Software (D1416 only),
Return to previous page.
- ☞ Install Utilities - Install Adobe Reader 8.1.
- ☞ User Manuals - D1416 Manual, D10/D1416 Manual , D10/D1416 Quick Guide.
- ☞ Link to Shuttle Website - Link to Shuttle website homepage.
- ☞ Browse this CD - Allows you to see contents of this CD.



Install Surveillance Driver and Software :



Install Adobe Reader 8.1 and manuals :

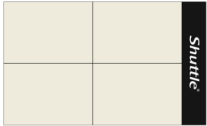




1.4.2 PV416 surveillance card software and driver installation :



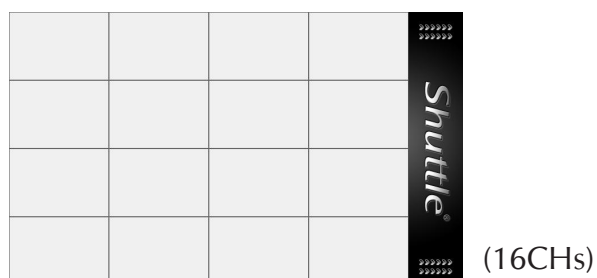
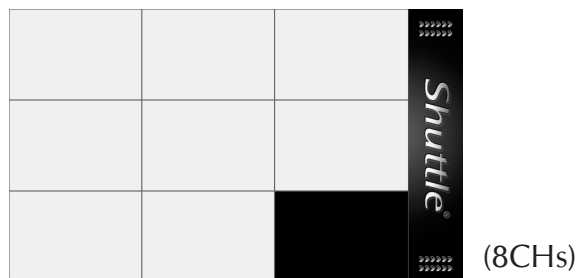
Software Guide:

- The surveillance software content with three main categories:
DVR pre-view, DVR setting page and Multimedia page.


1.DVR pre-view	2.DVR setting page	3.Multimedia page
		

DVR pre-view:

- Up to 16 motion images can be pre-viewed under below page.



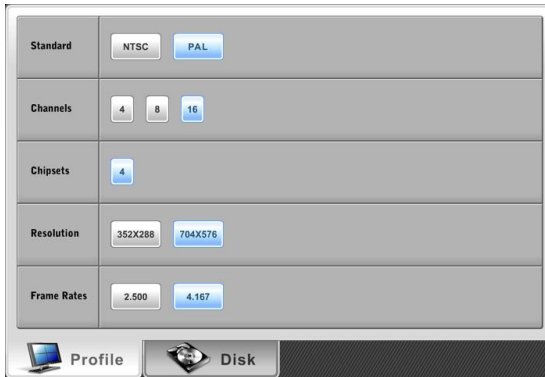
DVR setting page:



DVR/Common Setting

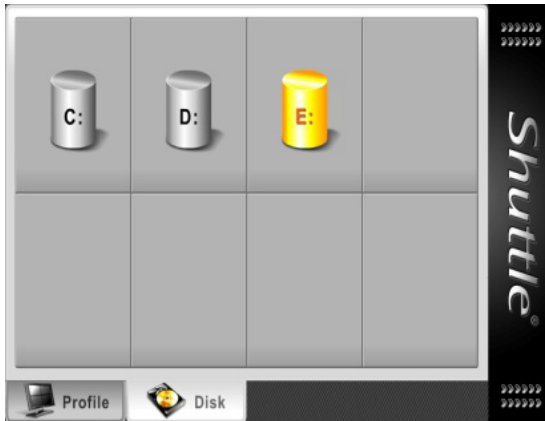
Profile tab:

1. Standard: support two standard signal input: NTSC and PAL.
2. Channels: input can support from 4, 8 up to 16 channels.
3. Chipsets: 4.
4. Resolution: 352 x 288, 704 x 576.
5. Frame rates: 2.500, 4.167.







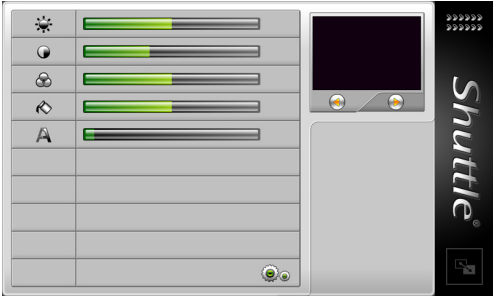

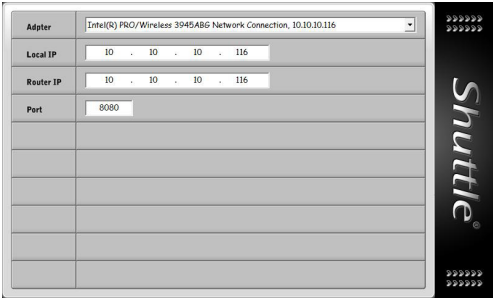



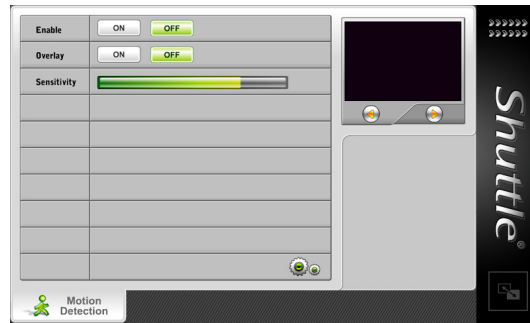
Disk tab:

Select your preferable saving location



DVR setting page:

	<h3 style="text-align: center;">DVR/Camera Setting</h3> <p>Adjust each camera properties with below option :</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  Brightness </div> <div style="text-align: center;">  Contrast </div> <div style="text-align: center;">  Saturation </div> </div> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  Hue </div> <div style="text-align: center;">  Sharpness </div> </div> 								
	<h3 style="text-align: center;">DVR/Network Setting</h3> <p>Network Configuration</p> <p>System will automatically update your network configuration when the network is connecting. You may also set the configuration manually</p> <table border="1" style="width: 100%;"> <tr> <td>Adapter</td> <td>Intel(R) PRO/Wireless 3945ABG Network Connection, 10.10.10.116</td> </tr> <tr> <td>Local IP</td> <td>10 . 10 . 10 . 116</td> </tr> <tr> <td>Router IP</td> <td>10 . 10 . 10 . 116</td> </tr> <tr> <td>Port</td> <td>8080</td> </tr> </table> 	Adapter	Intel(R) PRO/Wireless 3945ABG Network Connection, 10.10.10.116	Local IP	10 . 10 . 10 . 116	Router IP	10 . 10 . 10 . 116	Port	8080
Adapter	Intel(R) PRO/Wireless 3945ABG Network Connection, 10.10.10.116								
Local IP	10 . 10 . 10 . 116								
Router IP	10 . 10 . 10 . 116								
Port	8080								
	<h3 style="text-align: center;">DVR/Intelligent Setting</h3> <div style="margin-top: 10px;"> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="background-color: #cccccc; padding: 5px; width: 100px; text-align: center;">Enable</div> <div>Motion detect function. (If motion detect recording icon has enabled in DVR/Schedule page, the function will be force enabled.)</div> </div> <div style="margin-top: 10px;"> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="background-color: #cccccc; padding: 5px; width: 100px; text-align: center;">Overlay</div> <div>Show the motion detect object.(Red: foreground; blue: background.)</div> </div> <div style="margin-top: 10px;"> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="background-color: #cccccc; padding: 5px; width: 100px; text-align: center;">Sensitivity</div> <div>Control the sensitivity of motion detect.</div> </div> </div> </div> </div>								



DVR/Schedule

Set the Record / Motion detection mode



Full-time recording


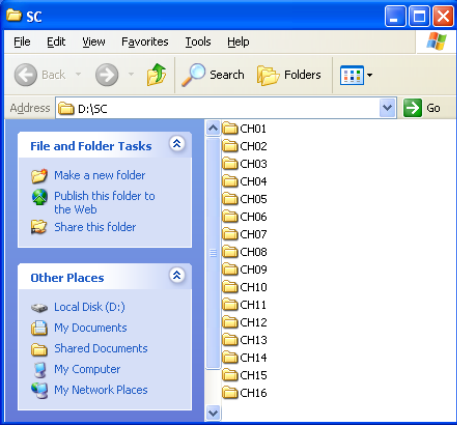





Motion detection



Recording









	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
MON	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Shuttle®
TUE																									
WED	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
THU																									
FRI																									
SAT																									
SUN																									

	<h3>DVR/My Record</h3> <p>Link to save files. Click on the CH number to view the record contents. Each content will be name with timestamp.</p> 
	<h3>EXIT</h3> <p>Click Exit icon to close the surveillance application.</p>
	<h3>KVM Switch</h3> <p>Click this icon to switch pop-up program between 2 monitors. (This icon only appear when you use 2 monitors in extended mode.)</p>
	<h3>Shuttle bar</h3> <p>Save and exit to previous page</p>

Multimedia page:

Internet Explorer	Messenger
<div></div> <div>Connect to IE browser</div>	<div></div> <div>Connect to MSN Messenger</div>
Media Player	Minimize AP
<div></div> <div>Connect to Windows Media Player</div>	<div></div> <div>Minimize Security Center</div>
My Documents	My Musics
<div></div> <div>Connect to My Documents folder</div>	<div></div> <div>Connect to My Musics folder</div>
My Videos	My Pictures
<div></div> <div>Connect to My Videos folder</div>	<div></div> <div>Connect to My Pictures folder</div>

Multimedia page :

Notepad	System Time
 <p>Connect to Notepad</p>	 <p>Connect to System Time</p>
Customize Setting	EXIT
 <p>Setting Customized root link</p>	 <p>Click to exit DVR and multimedia program</p>
Customize 1	Customize 2
 <p>Available for new link</p>	 <p>Available for new link</p>
Customize 3	Customize 4
 <p>Available for new link</p>	 <p>Available for new link</p>