

1 D1416/PV416 Installation Guide

To enhance surveillance recording quality, recommended CPU as following:

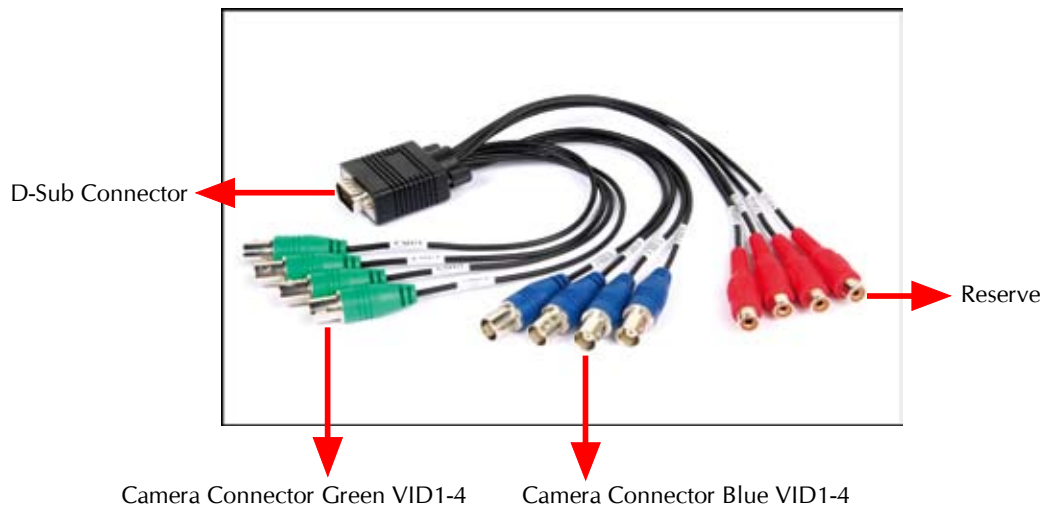
- Windows XP : E1400 or higher CPU
- Windows Vista : E2200 or higher CPU

This document provides essential installation information of PV416 surveillance card

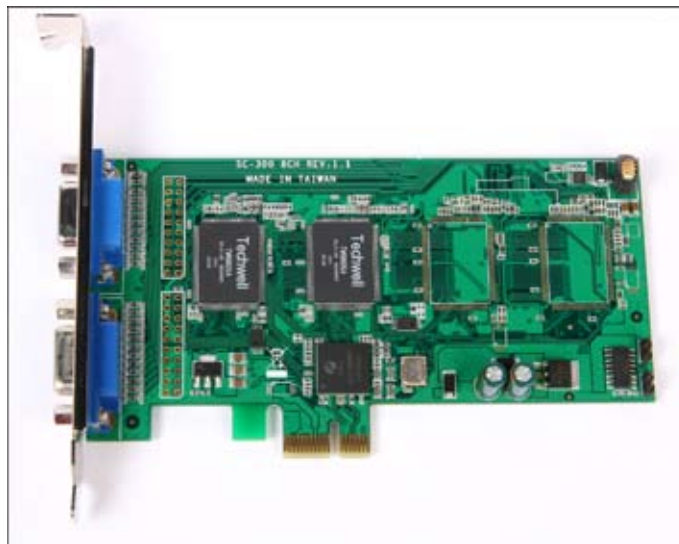
■ 1.1 Package Contents

CD Driver(Driver + Manual + Quick Guide)

PV416 surveillance cable x2



PV416 surveillance card x1

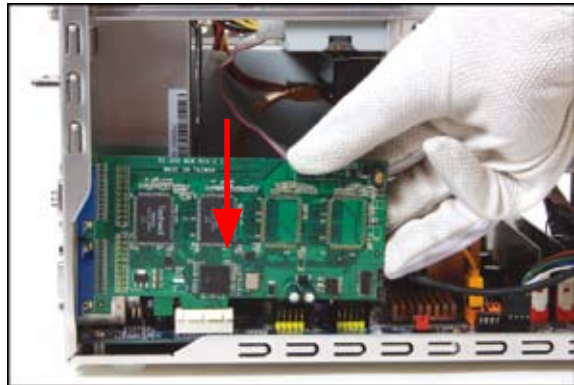


If there are items missing, please contact your local authorized Shuttle dealer.

■ 1.2 Hardware Installation

PV416 surveillance card :

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



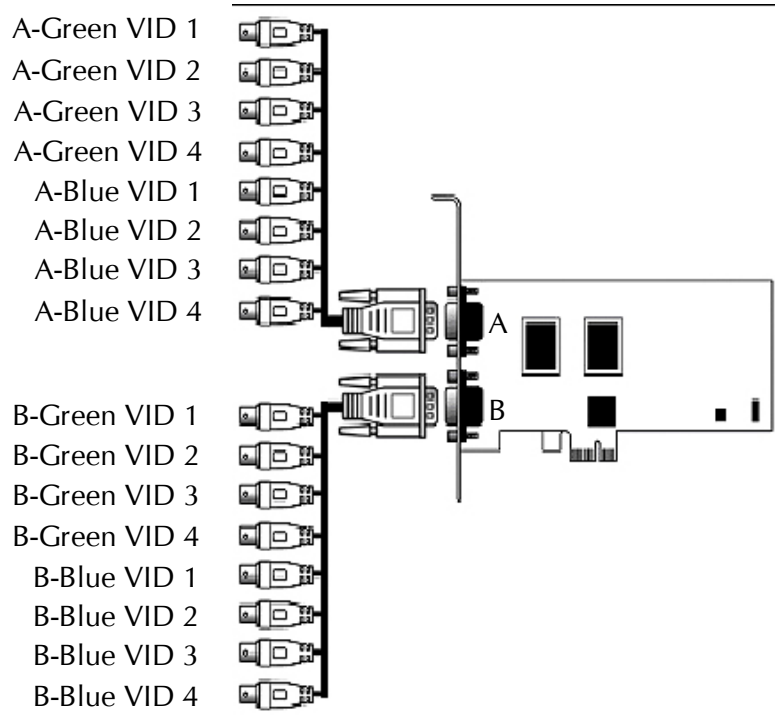
- Install the PV416 surveillance cable into the D-Sub ports.



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		1
CH01	A-Green VID1	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	A-Blue VID1
CH03	B-Green VID1	A-Green VID2	B-Green VID1	A-Green VID3	A-Green VID2	B-Green VID1	B-Green VID1
CH04	B-Blue VID1	A-Blue VID2	B-Blue VID1	A-Green VID4	A-Blue VID2	B-Blue VID1	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 :

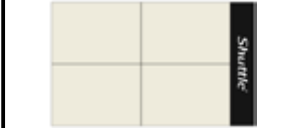




1.4.2 PV416 surveillance card software and driver installation :



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.















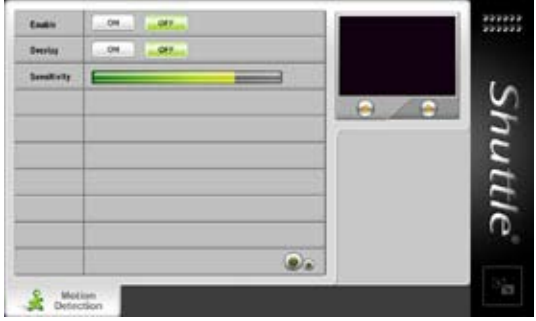






Disk tab:

Select your preferable saving location


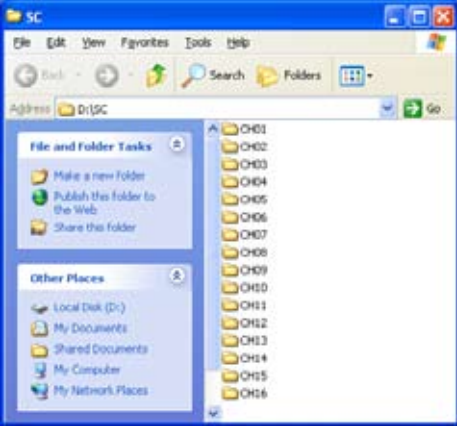





DVR setting page:

	<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; margin-top: 10px;"> <div style="text-align: center;">  Hue </div> <div style="text-align: center;">  Sharpness </div> </div> <div style="text-align: right; margin-top: 20px;">  </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> <div style="text-align: right; margin-top: 20px;">  </div>
	<h3 style="text-align: center;">DVR/Intelligent Setting</h3> <div style="margin-top: 10px;"> <div style="display: flex; align-items: flex-start; margin-bottom: 10px;"> <div style="border: 1px solid gray; padding: 2px 5px; margin-right: 10px;">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="display: flex; align-items: flex-start; margin-bottom: 10px;"> <div style="border: 1px solid gray; padding: 2px 5px; margin-right: 10px;">Overlay</div> <div>Show the motion detect object.(Red: foreground; blue: background.)</div> </div> <div style="display: flex; align-items: flex-start;"> <div style="border: 1px solid gray; padding: 2px 5px; margin-right: 10px;">Sensitivity</div> <div>Control the sensitivity of motion detect.</div> </div> </div>

																																																																																																																																																																																																																												
	<p style="text-align: center;">DVR/Schedule</p> <p>Set the Record / Motion detection mode</p> <table border="0" style="width: 100%;"><tr><td style="text-align: center;"></td><td style="text-align: center;">Full-time recording</td><td style="text-align: center;"></td><td style="text-align: center;">Motion detection</td></tr></table> <p>Recording</p> <table border="1" style="width: 100%;"><thead><tr><th></th><th>0</th><th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th>8</th><th>9</th><th>10</th><th>11</th><th>12</th><th>13</th><th>14</th><th>15</th><th>16</th><th>17</th><th>18</th><th>19</th><th>20</th><th>21</th><th>22</th><th>23</th><th></th></tr></thead><tbody><tr><td>MON</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>Shuttle</td></tr><tr><td>TUE</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>WED</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td>●</td><td></td></tr><tr><td>THU</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>FRI</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>SAT</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>SUN</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>		Full-time recording		Motion detection		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																										
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	<p style="text-align: center;">DVR/My Record</p> <p>Link to save files. Click on the CH number to view the record contents. Each content will be name with timestamp.</p> 
	<p style="text-align: center;">EXIT</p> <p>Click Exit icon to close the surveillance application.</p>
	<p style="text-align: center;">KVM Switch</p> <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>
	<p style="text-align: center;">Shuttle bar</p> <p>Save and exit to previous page</p>

Multimedia page:

Internet Explorer	Messenger
 <p data-bbox="528 692 836 725">Connect to IE browser</p>	 <p data-bbox="954 692 1342 725">Connect to MSN Messenger</p>
Media Player	Minimize AP
 <p data-bbox="475 1104 868 1171">Connect to Windows Media Player</p>	 <p data-bbox="986 1104 1337 1137">Minimize Security Center</p>
My Documents	My Musics
 <p data-bbox="475 1518 847 1585">Connect to My Documents folder</p>	 <p data-bbox="954 1518 1353 1552">Connect to My Musics folder</p>
My Videos	My Pictures
 <p data-bbox="483 1917 884 1951">Connect to My Videos folder</p>	 <p data-bbox="954 1917 1362 1951">Connect to My Pictures folder</p>

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>

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User Guide

For the : D1416/PV416