VMS
User Manual - English

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Copyright Information

1. System Requirements

Windows Vista / 7 / 8 / 8.1

- Min CPU: Intel Core 2 Duo 2 GHz or above
- Min Memory: 1 GB (32-bits)/2 GB (64-bits) RAM
- Supporting Direct X 9 (WDDM 1.0 or later)
- Min Resolution: 1024 x 768
- Min Hard Drive Space: 1 GB

Other Support

- **RTSP over TCP**
- Hardware Acceleration – Auto Detect Direct X: Open Direct X with VLC Plug-in

2. Install VMS

1. Please download **Lumens VMS** software at **Lumens™ website**.
2. Extract the file downloaded and then click **[Lumens VMS]** to install.
3. The installation wizard will guide you through the process. Please follow the on-screen instructions and press **[Next]** for the next step.
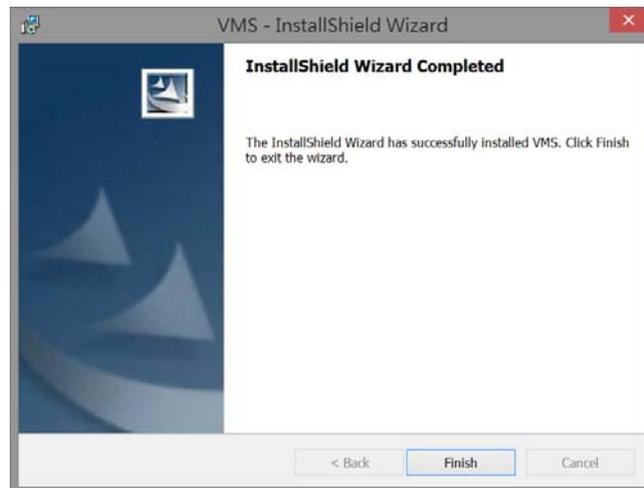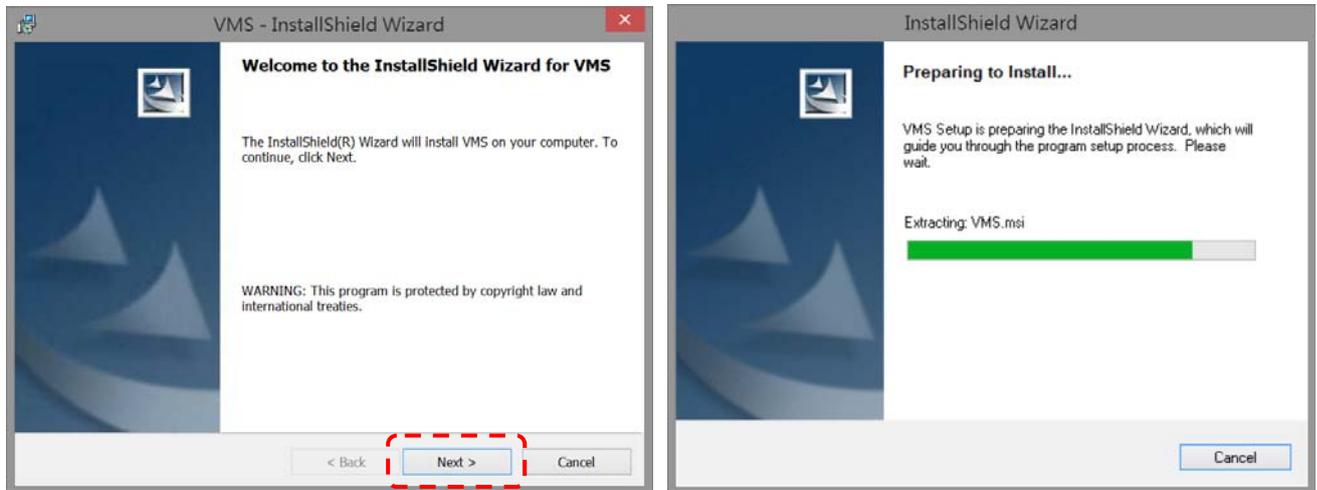
3. Start Using

3.1. Open **LUMENS VMS**

3.2. Search Camera

3.2.1. Automatic Search: Click [Search]

<Remark> When using automatic search, the camera and computer must be in the same network segment, e.g.: 192.168.1.x

3.2.2. Manual Search: Enter the known IP Add. of the camera, and then click   to add the camera into the list

3.2.3. If firewall warning occurs in the first use, please check the **[LAN]** and then press **[Allow access]**.
- **Safety Alert:** Click **[Unblock]**.

 /
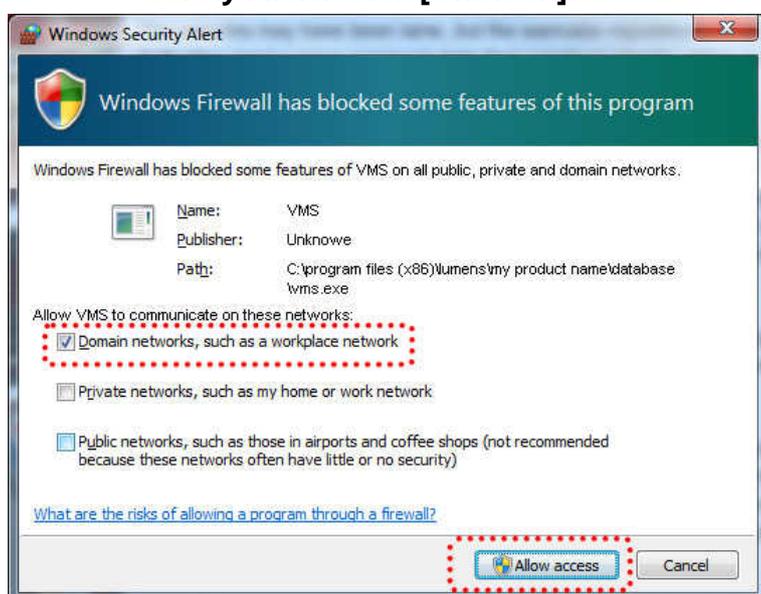
3.3. Click on an IP Add. available in the list, and enter the default User Name/Password of the camera for connection
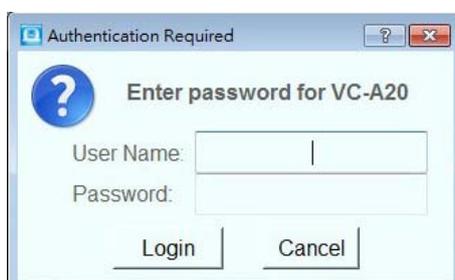
4. Operation Interface Description
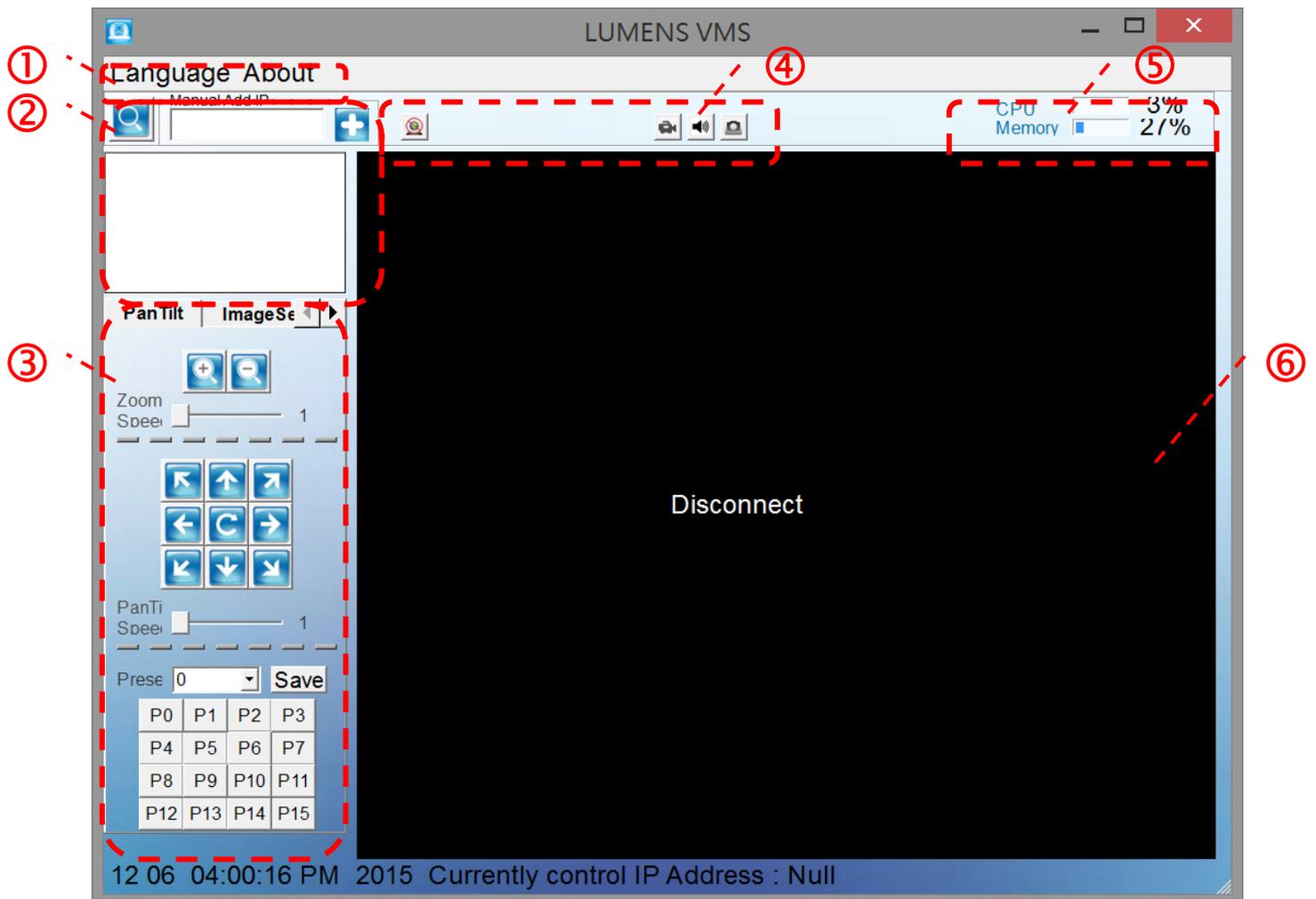
	Function Area	Function Descriptions
1.	Function Menu	Switch the language or search for basic software information
2.	Device List	Add or remove a device
3.	Device Control	Adjust camera angle, preset lens position and image (brightness/sharpness/color saturation/contrast) settings
4.	Major Hotkeys	Major Function Shortcuts, such as Disconnection, Video, Audio Switch, and Camera
5.	Performance Information	Display the current CPU and memory load rate
6.	Image Display	Display real-time image during connection with a camera

5. Function Descriptions

5.1 I would like to zoom in/out images (Zoom/Zoom Speed)

➢ Click to zoom in.

➢ Click to zoom out.

➢   Adjust the image zoom speed.

5.2 I would like to adjust the shooting angle of the lens (PAN/Tilt)

➢ Related operations are described in the following table.

Icon	Function Descriptions
	Move to the upper left
	Move to the left
	Move to the lower left
	Move down
	Move to the lower right
	Move to the right
	Move to the upper right
	Move up
	Return to the original position
	Adjust the lens moving speed

5.3 I would like to save the lens position data (Preset)

➢ Select a preset saved position [P0~P15] from the **[Preset]** drop down menu.

➢ Click **[Save]** to save the current device location parameter.

5.4 I would like to adjust the video settings

➢ Click **[Image Setting]** on the tab.

➢ Click **[<]** or **[>]** to adjust **(brightness/sharpness/color saturation/contrast)**, and other settings respectively.

5.5 I would like to record

➢ Press ![camera icon] to start recording

<Note> The recorded file will be saved under "C:\USER\UserName\VMS\RecordFiles".

5.6 I would like to switch to mute

➢ Click ![speaker icon] to set to mute.

➢ Click ![speaker icon] again to turn off the mute.

5.7 I would like to capture images

➢ Click ![capture icon] to capture real-time images.

<Note> The recorded file will be saved under "C:\USER\UserName\VMS\PictureFiles".

5.8 I would like to change the language

➢ Click [Language] in the upper left of the window to switch [English/Traditional Chinese/ Simplified Chinese].

5.9 I would like to remove the device

➢ Move the mouse over the Device List in the upper right of the screen.

➢ Right click on the IP Add. of the connected device to open the menu.

➢ Select **[Delete device]**.

5.10 I would like to open the camera operation web page

➢ Move the mouse over the Device List in the upper right of the screen.

➢ Right click on the IP Add. of the connected device to open the menu.

➢ Select **[Browser]**.

5.11 I would like to reset to the default value

➢ Move the mouse over the Device List in the upper right of the screen.

➢ Right click on the IP Add. of the connected device to open the menu.

➢ Select **[Default]**.

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6. Troubleshooting

This chapter describes problems you may encounter while using VMS. If you have questions, please refer to related chapters and follow all the suggested solutions. If the problem still occurred, please contact your distributor or the service center.

No.	Problems	Solutions
1.	**Cannot find the camera in the inter-network**	Please switch to manually enter IP Add. to search camera. Please refer to **3.2 Search Camera** of the User Manual for related operations.
2.	**When failed to connect to a camera or to display real-time images**	Confirm whether it is blocked by the firewall 1. Please modify Windows security settings and allow VMS program through the firewall 2. Please unblock the anti-virus software
3.	**Instant screen display is not smooth and may be delayed**	Please check CPU performance. Starting too much software at the same time may cause computer performance overload and delay image processing speed