Manuals+ — User Manuals Simplified.

Lumens Virtual Camera Software to Transform IP Camera into a Webcam User Manual

Contents

1 Virtual Camera Software to Transform IP Camera into a Webcam
2 Chapter 1. System Requirements
3 Chapter 2. Operation Interface Description
4 Chapter 3. Install Virtual Camera
5 Chapter 4. Start Using
6 Chapter 5. Troubleshooting
7 Documents / Resources
8 Related Posts

Virtual Camera Software to Transform IP Camera into a Webcam

User Manual

Chapter 1. System Requirements

1.1 System Requirements

1.1.1 When the streaming format is H.264, the system requires:

- OS : Windows 7 / Windows 10 (after ver.1709)
- CPU: Intel i5 or above
- Memory: 4 GB RAM or above
- Free Disk Space: 2GB

1.1.2 When the streaming format is HEVC, the system requires:

- OS : Windows 7 / Windows 10 (after ver.1709)
- CPU: Intel i5 / i7 8th generation or above
- Memory: 8GB RAM
- Free Disk Space: 2GB
- GPU: Recommend GPU NVIDIA GTX 1050Ti or above

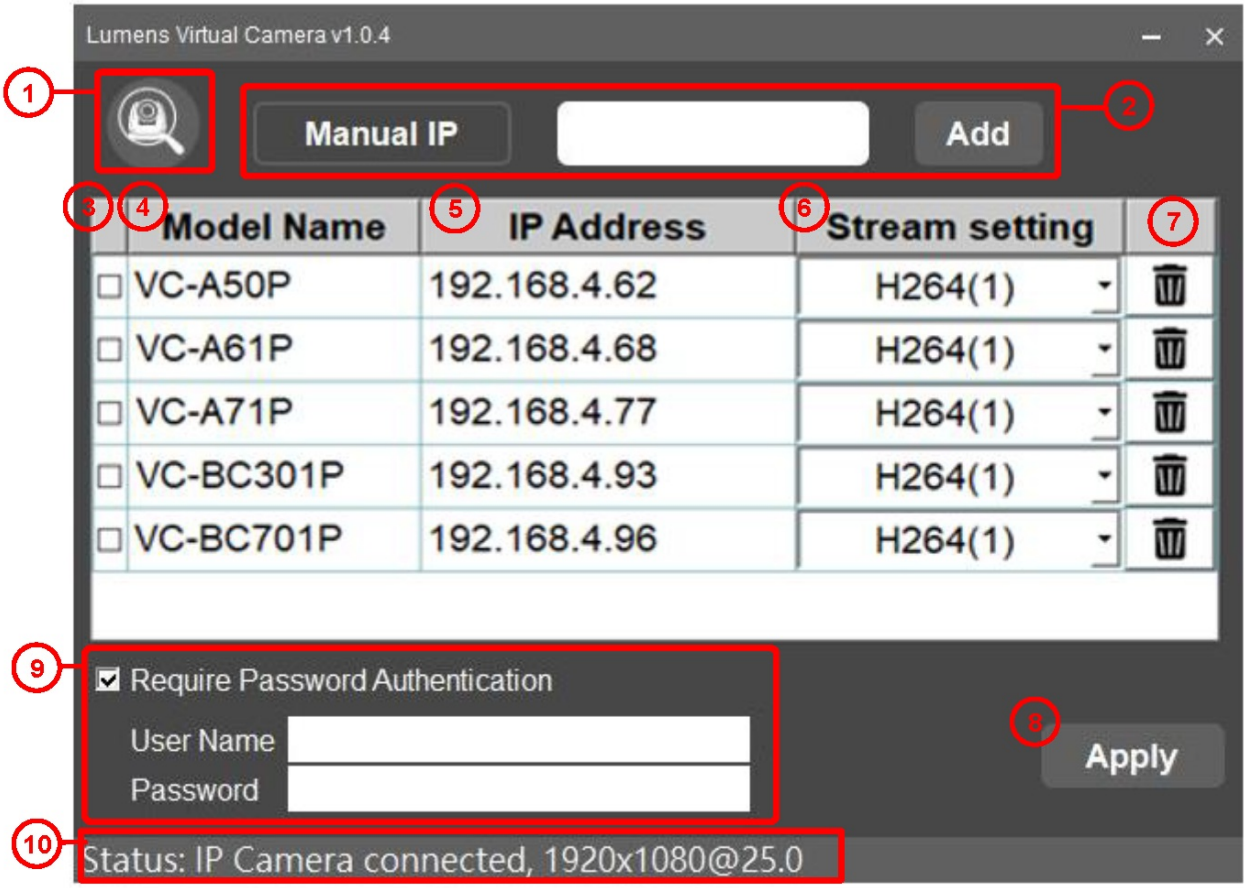
1.2 Supported Communication Software

- Skype – 8.25.0.5 or above
- Microsoft Teams – 4.6.23.0 or above
- Zoom 5.4.1
- Zoom Rooms 5.2.2
- OBS – 25.0.8 or above
- Google Meet

1.3 Supported Lumens Models

- VC A50P
- VC A61P
- VC A71P
- VC BC301P
- VC B C601P
- VC BC701P
- VC TR1

Chapter 2. Operation Interface Description



No	Item	Function Descriptions
1	Scan	Search for IP camera on the same network segment.
2	Manual IP	Manually enter the IP address of the camera to add it to the camera list.
3	Check box	Select the camera you want to use.
4	Model Name	Display the machine model.
5	IP Address	Display the IP address.
6	Stream setting	Select the streaming format. The default is H264 (1). HEVC, H264 (1), and H264 (2) streaming formats can be selected depending on the models.
7	Delete	Click to delete the camera.
8	Apply	Click Apply to apply the checked items.
9	Require Password Authentication	Password Authentication If the IP camera you want to connect to has RTSP password authentication enabled on the webpage, please check this option and enter the user account and password. ■ User account: admin (default) ■ Password: 9999 (default) **<Remark>** Except for the VC-TR1 model, which requires this item to be checked if the password authentication function is “enabled” by default, other Lumens models do not require this item to be checked by default.
10	Status	Display the connection status of the camera. “IP Camera Connector failed” is displayed when the connection fails. “IP Camera connected” is displayed when the connection succeeds and the resolution information is also displayed.

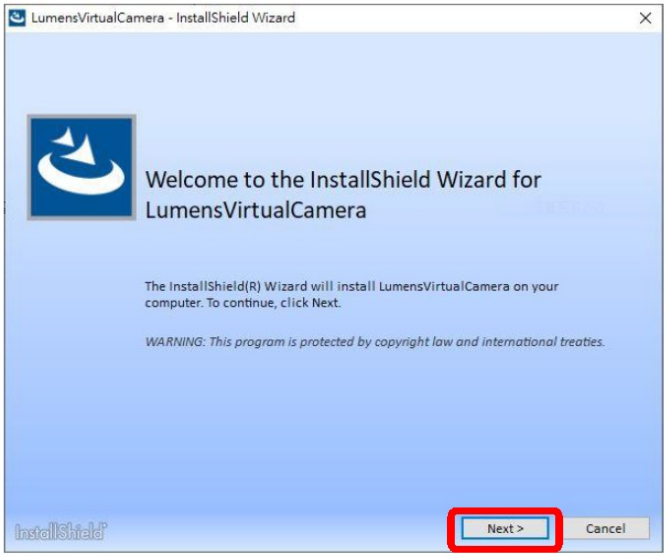
Chapter 3. Install Virtual Camera

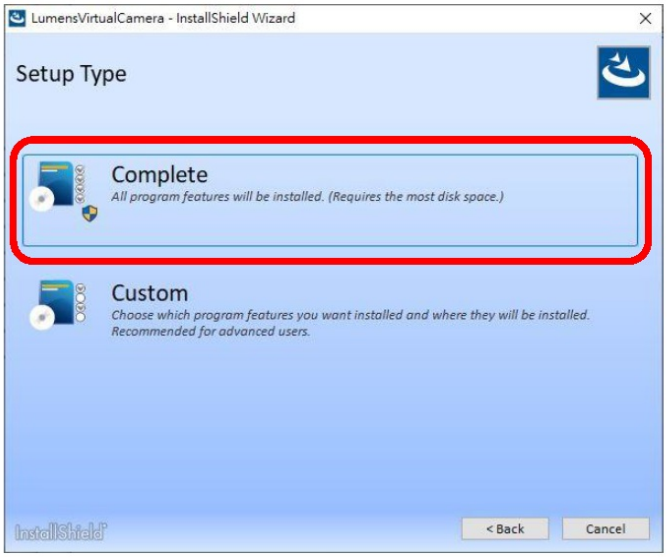
3.1 Install with Windows 10

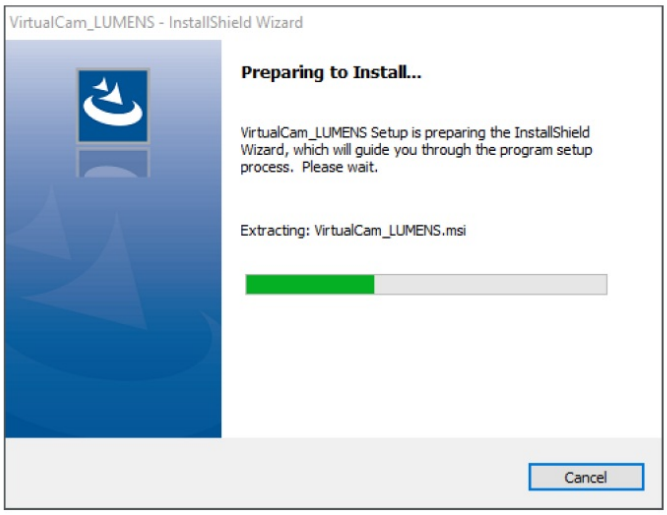
3.1.1 Please download Virtual Camera software from the Lumens website.

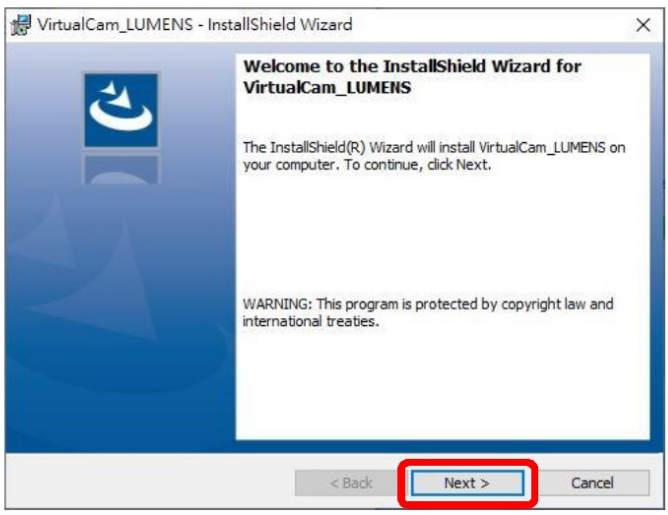
3.1.2 Extract the file downloaded and then click [VirtualCam_LUMENS] to install.

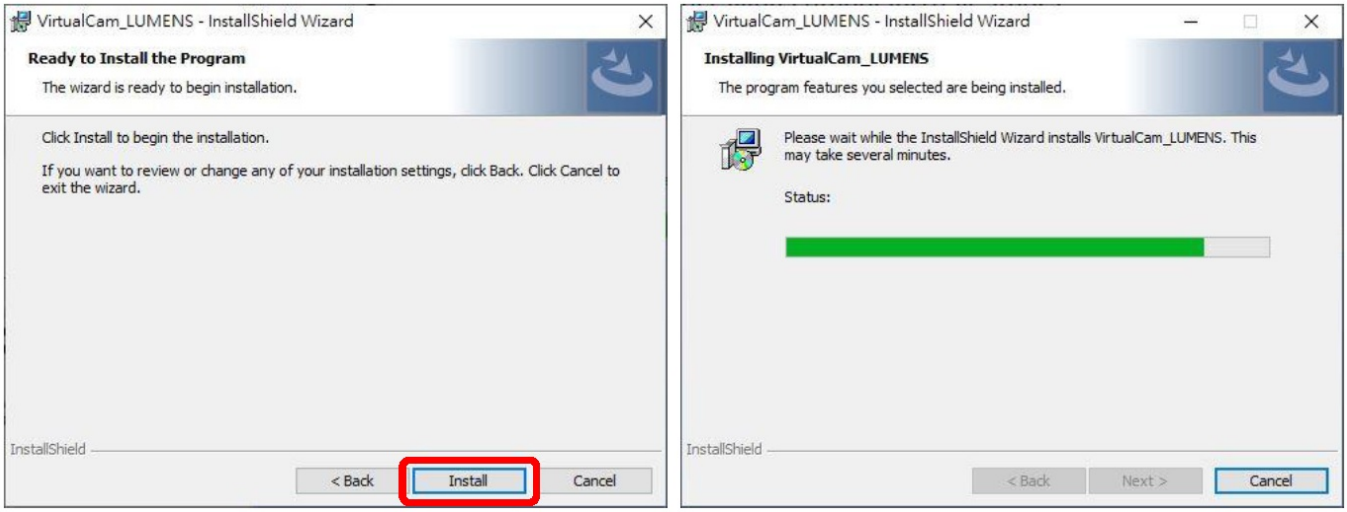
3.1.3 The installation wizard will guide you through the process. Please follow the on-screen instructions for the next step.



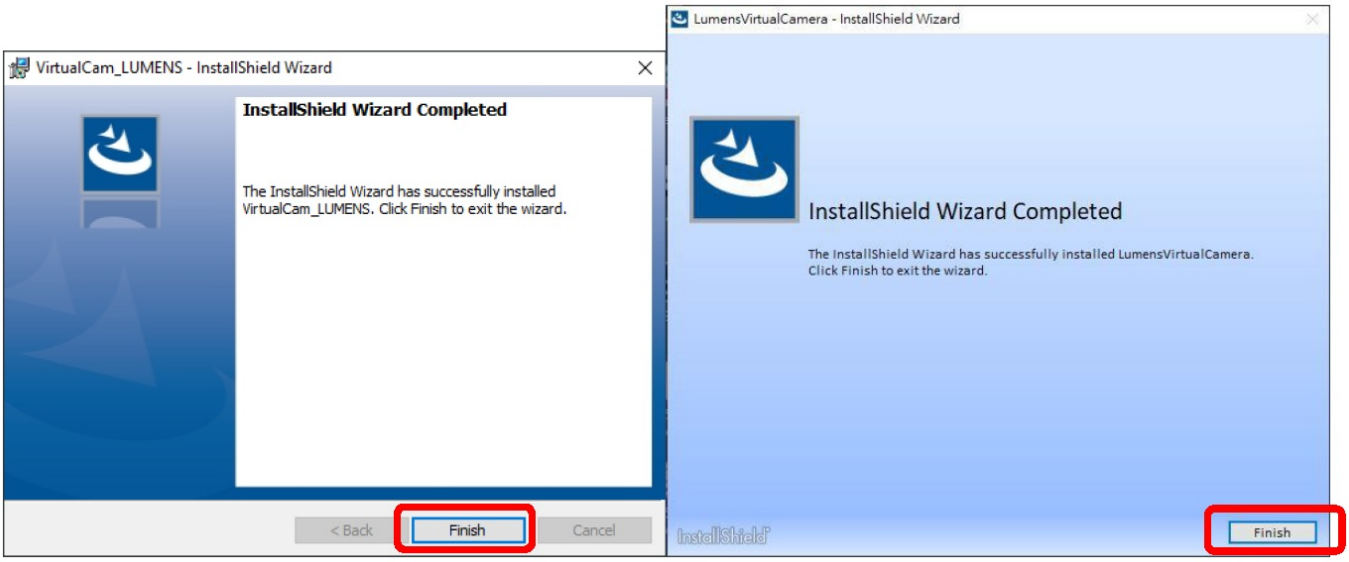








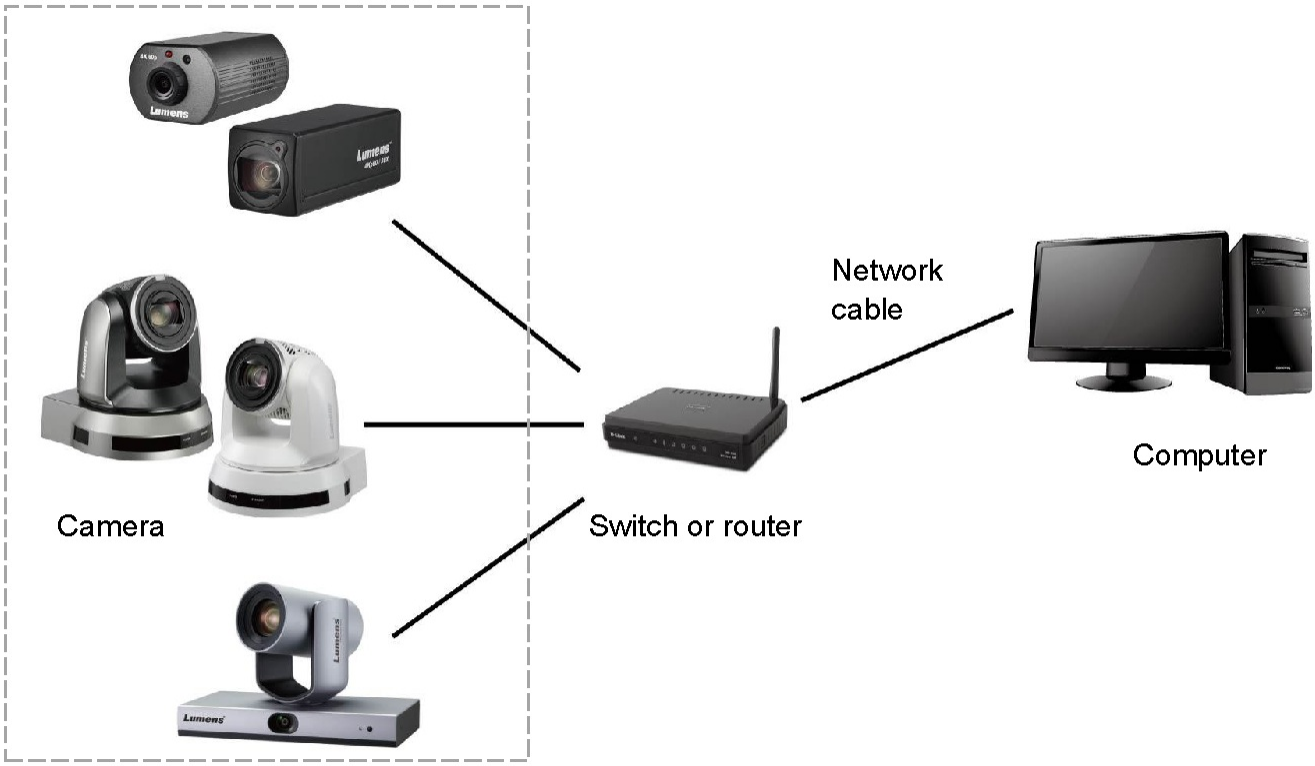
3.1.4 When the installation is completed, press [Finish] to end the installation.



Chapter 4. Start Using

4.1 Confirm Network Setting

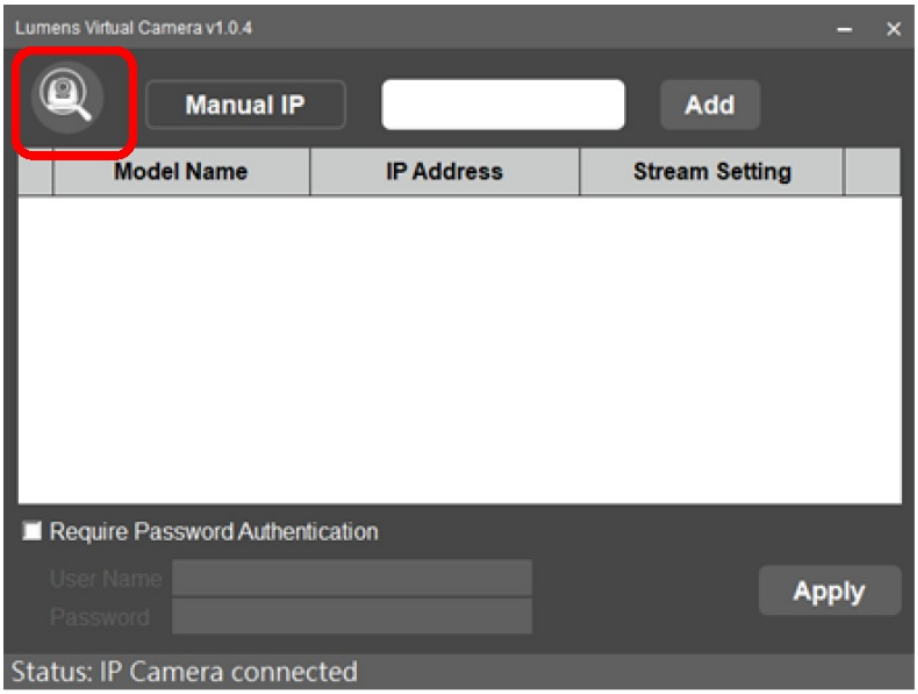
4.1.1 Confirm that the computer and the camera are connected in the same network segment.



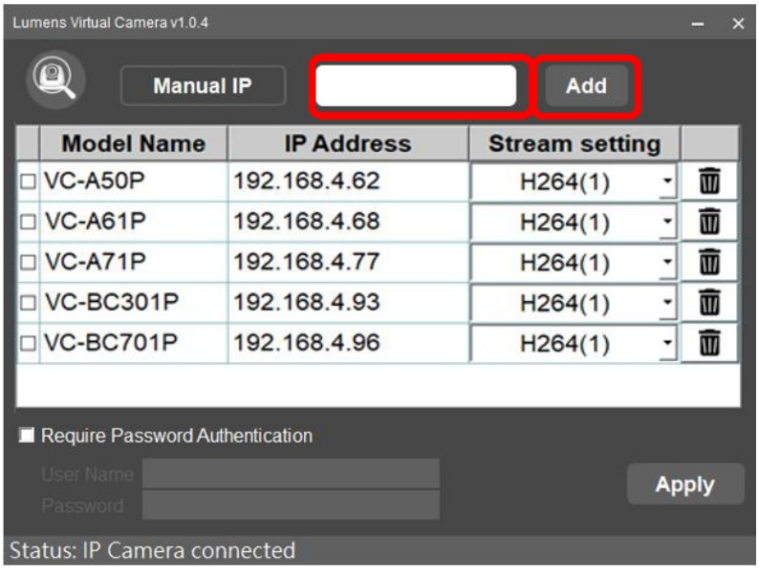
4.2 Enter Lumens Virtual Camera to set up the camera

4.2.1 Click [LumensVirtualCamera] icon to open the software.

4.2.2 Click the magnifying glass in the upper left corner to search for camera in the same network segment as the computer.

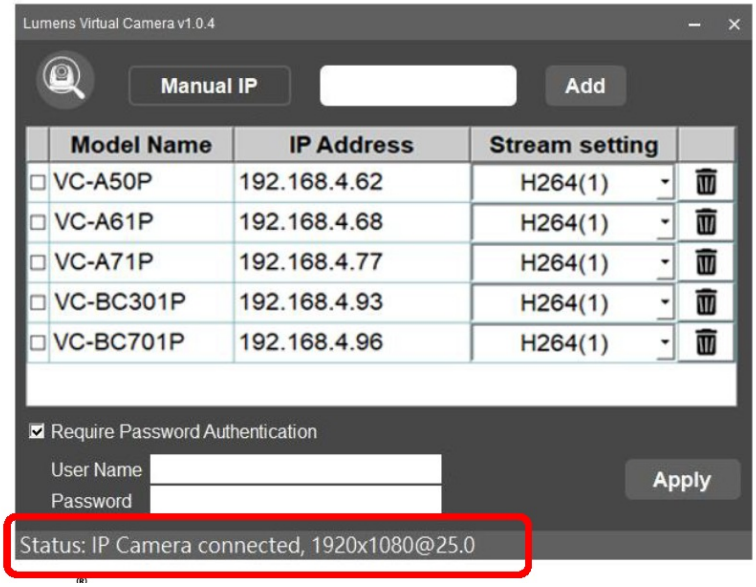


4.2.3 You can manually enter the IP address of the camera and click [Add] to add the camera to the list below.



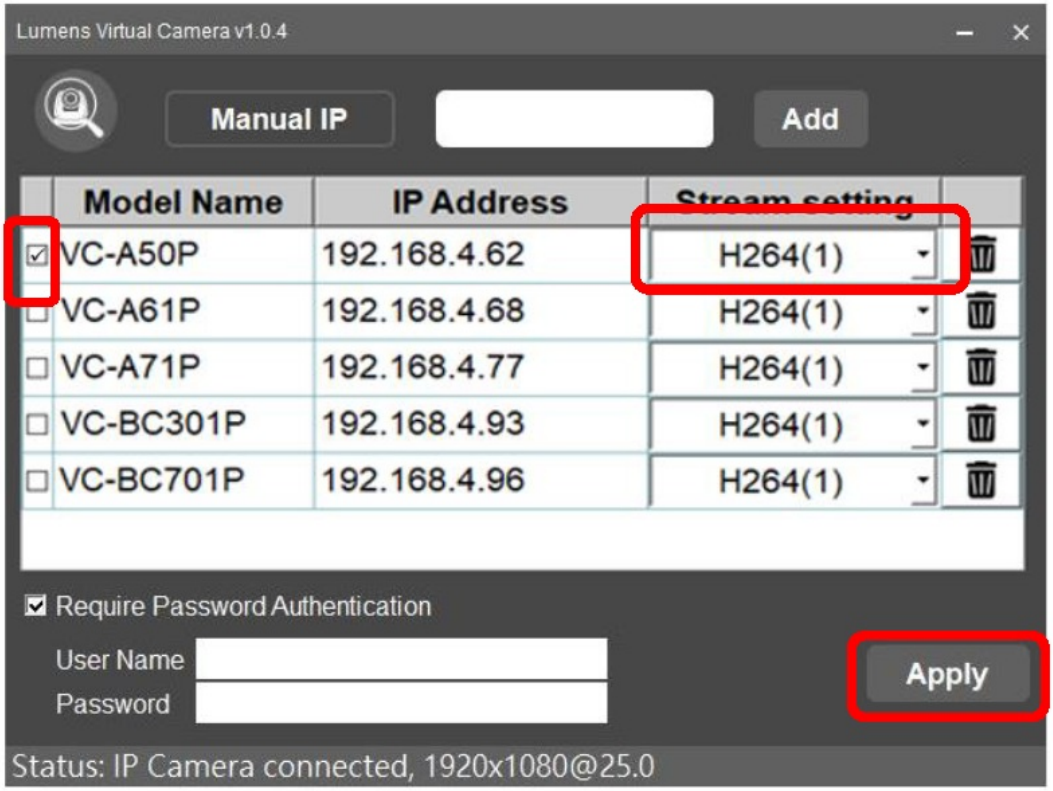
4.2.4 Select the camera, set up the streaming format, and click [Apply].

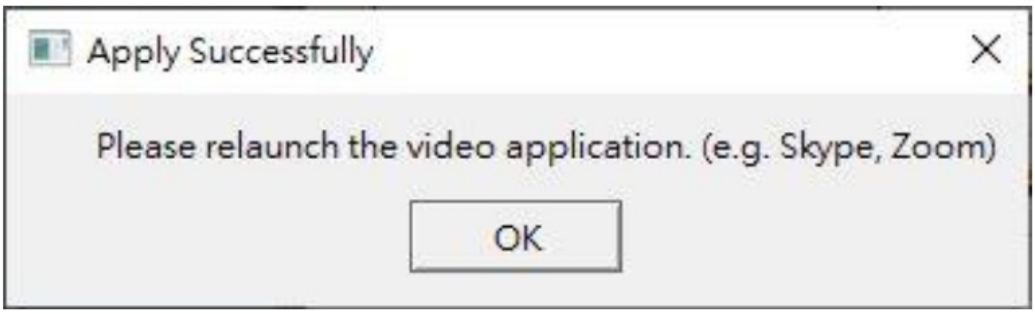
4.2.5 After the connection succeeds, “IP Camera connected” will be displayed as well as the resolution information.



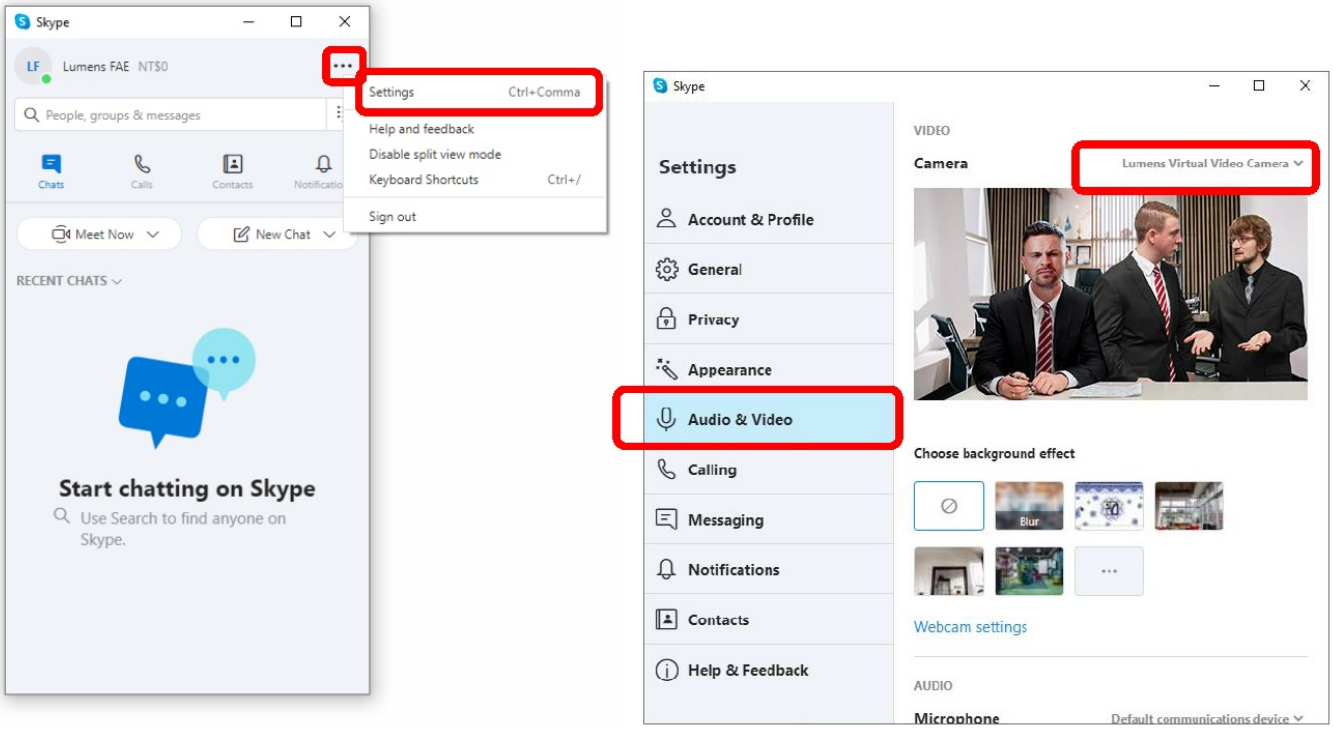
4.2.6 If you need to change the camera source, please re-check the camera, set the streaming format, and click

[Apply].
After the prompt window appears, please restart the communication software (e.g. Skype, Zoom…) and the new camera screen will be displayed after the restart

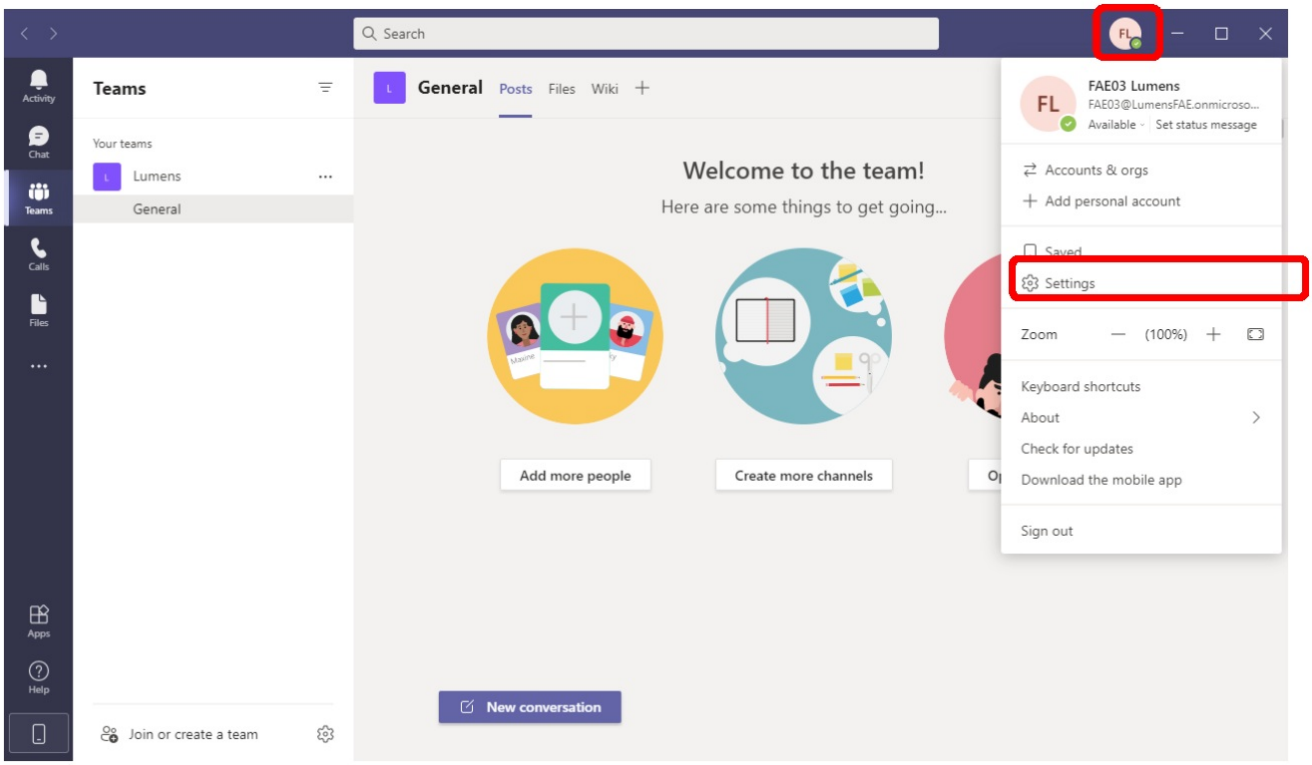


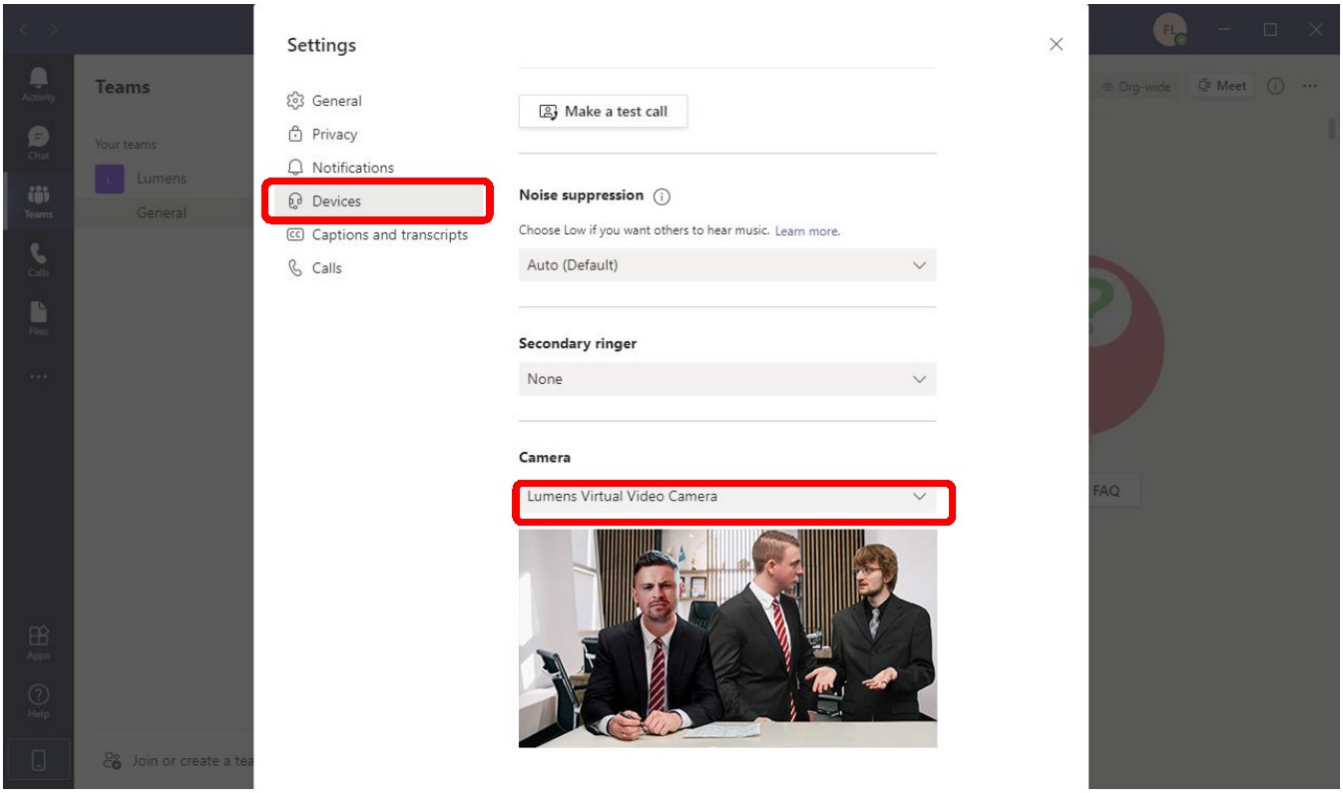


4.3 Enter the communication software to set up the camera
4.3.1 Skype
4.3.1.1 Open Skype software.
4.3.1.2 Click the "…" icon, and click "Settings".
4.3.1.3 Click "Audio and Video", and select [Lumens Virtual Video Camera] for the video camera.

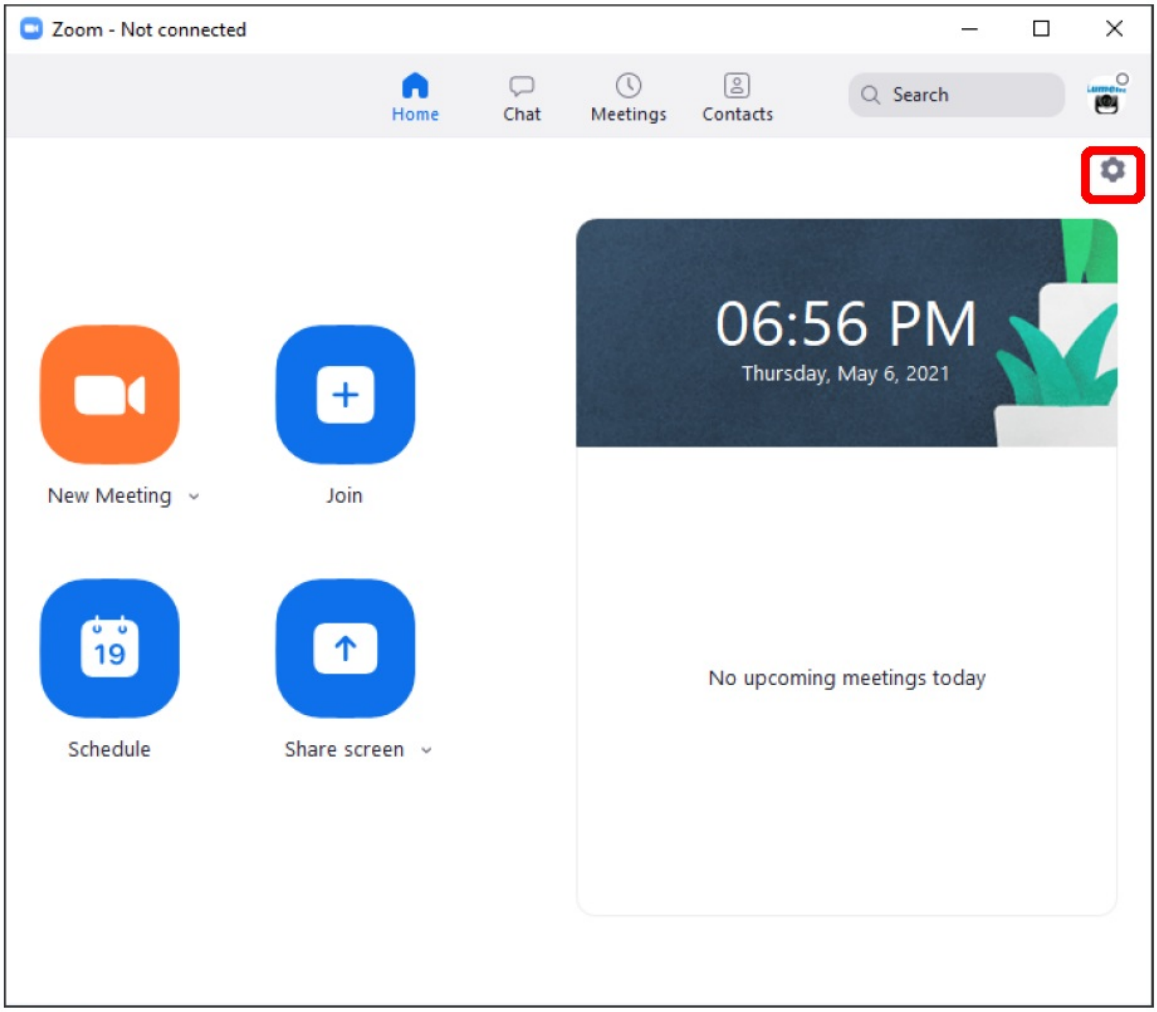


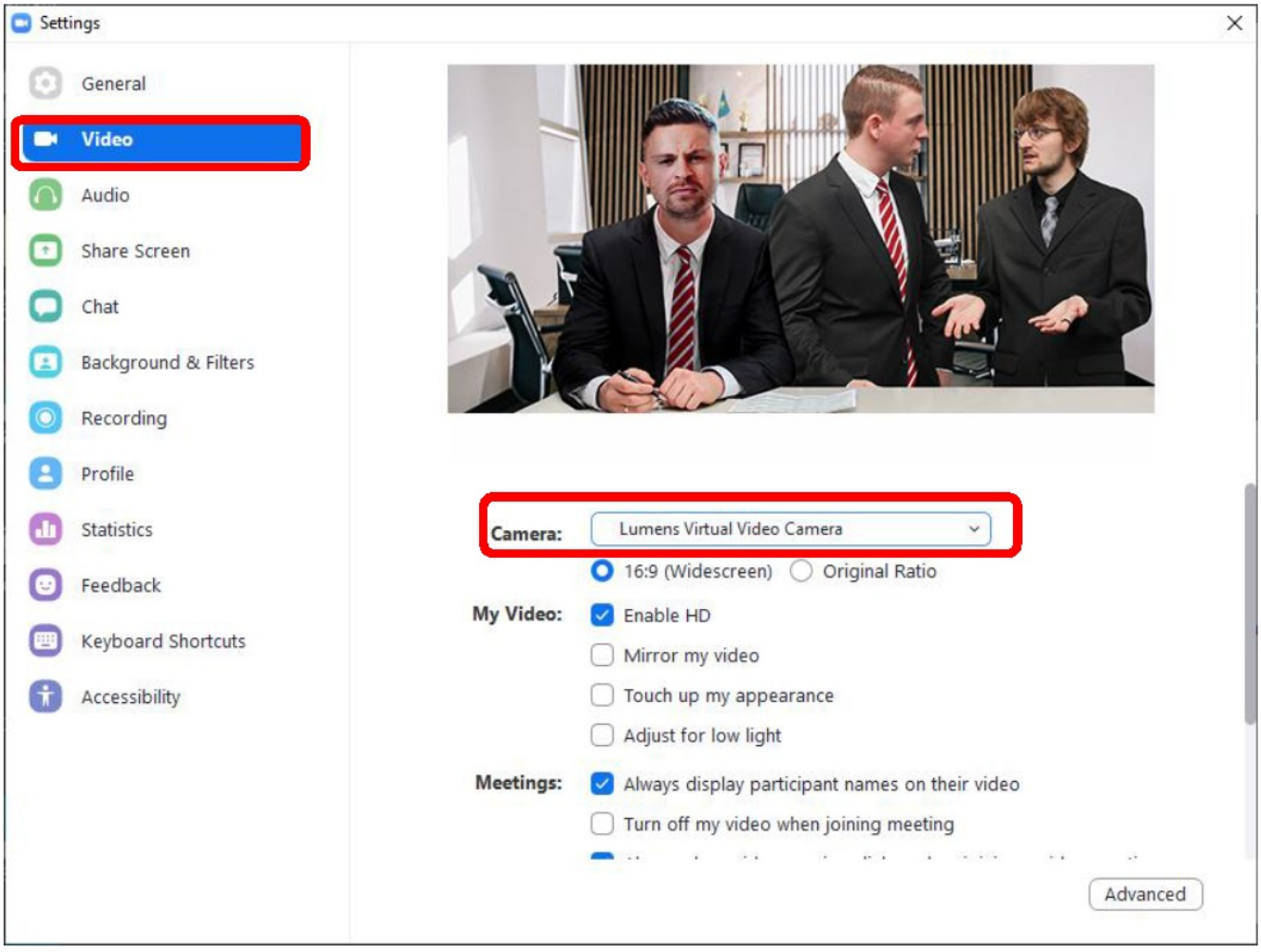
4.3.2 Microsoft Teams
4.3.2.1 Open Microsoft Teams software.
4.3.2.2 Click the icon, and click “Settings”.
4.3.2.3 Click “Device”, and select [Lumens Virtual Video Camera] for the camera.





4.3.3 Zoom
4.3.3.1 Open Zoom software.
4.3.3.2 Click the icon to open the setting options.
4.3.3.3 Click “Video”, and select [Lumens Virtual Video Camera] for the video source.


Zoom - Not connected
Home
Chat
Meetings
Contacts
Search
06:56 PM
Thursday, May 6, 2021
New Meeting
Join
Schedule
Share screen
No upcoming meetings today


Settings
General
Video
Audio
Share Screen
Chat
Background & Filters
Recording
Profile
Statistics
Feedback
Keyboard Shortcuts
Accessibility
Camera:
Lumens Virtual Video Camera
16:9 (Widescreen)
Original Ratio
My Video:
Enable HD
Mirror my video
Touch up my appearance
Adjust for low light
Meetings:
Always display participant names on their video
Turn off my video when joining meeting
Advanced

Chapter 5. Troubleshooting

This chapter describes problems you may encounter while using Virtual Camera. 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.	**When switching Virtual Camera sources, the video software does not switch to the new source screen, but still displays the screen of the previous source**	If you switch the source of Virtual Camera, turn off the video software that is using the original source, and turn it back on after the restart to use the new source screen.
2.	**The connecting status keeps being displayed while the source screen cannot be displayed**	If the Require Password Authentication option in the RTSP setting of the camera webpage is checked, the source cannot be displayed via Virtual Camera. Please log in to the webpage of the camera and uncheck the Require Password Authentication in the network - RTSP setting.
3	**Virtual Camera cannot find VC-A50P**	1. Make sure VC-A50P is connected to the same local network segment. 2. Confirm that CAMERA ADDRESS SELECTOR on the bottom of VC-A50P is switched to 0.
4	**When the signal source is VC-TR1, the video software cannot see the screen**	The password authentication function of the VC-TR1 model is defaulted to “Enable”. When connecting, please check the Require Password Authentication option and enter the correct user account and password.

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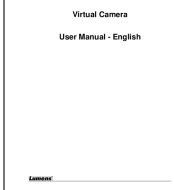	**Lumens Virtual Camera Software to Transform IP Camera into a Webcam** [pdf] User Manual Virtual Camera Software to Transform IP Camera into a Webcam

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