How to Install USB3-DS Driver Ver1.0.1.1

1. Introduction

This is a step by step manual on how to install the DirectShow drivers for USB 3.0 DirectShow cameras onto your PC.

USB3.0 cameras with SDK drivers can be used without installing the drivers. However, if you are using a DirectShow type camera, please must install the DirectShow driver.

2. Install the Driver

Installation Steps

Below is an installation example using 500MI-USB3-DS.

This example shows how to run the installation program on Windows 7, and the installation steps are similar on Windows XP and Vista .

1. Open the downloaded folder where the drivers are, and double click on "Installation.exe" if your PC is 32 bit or "Installation_64.exe" if the PC is 64 bit.



2. Click "Install" on the following screen.

ኛ Artcam USB3.0 500MI DS Camera Installation	×
Welcome to install Artcam USB3.0 500MI DS Camera (Art	tray Co., Ltd., 12/22/2011)
Installed devices:	
Technical Support Information	Install

3. Click "Install" on the following screen.

Windows Security		×
Would you like to install this device software?		
Name: Artray Co., Ltd. Imaging devices Publisher: ARTRAY CO., LTD.		
Always trust software from "ARTRAY CO., LTD.".	Install	Don't Install
You should only install driver software from publishers which device software is safe to install?	; you trust. <u>Ho</u>	w can I decide

Installation is complete.

\$ Succeede	d X
(į)	Congratulations! You are finished installation.
	OK I

Please check Device Manager to see if the camera is successfully recognized under Imaging Device.



Note

- The camera name will always appear under "Imaging Device" in Device Manager after the driver is installed.
- The camera name will only appear under "Disc Drive" when it is connected to the PC.
- When using the camera, make sure that the camera name appears under both "Imaging Device" and "Disc Drive".



How to Install USB3-DS Driver Ver1.0.1.1 Artray Co., Ltd. 3/5

3. Update the Driver

If you want to update the driver, click "Installation.exe" or "Installation_64.exe" corresponding to your PC and click on the "Update" button. Update will proceed automatically.

ኛ Artcam USB3.0 500MI DS Camera Installa	tion X
Welcome to install Artcam USB3.0 500MI DS Came	ra (Artray Co., Ltd., 12/22/2011)
Installed devices:	
Artcam USB3.0 500MI DS Camera (#0) (Artray Co.	, Ltd)
Technical Support Information	InstallUpdate

4. Using 2 or more cameras

When using 2 or more cameras, you must install DirectShow driver and change the camera number settings.

The following is a step by step example on how to use 2 cameras at the same time.

1. After installing the first camera, click "Install" under "Installation.exe" if your PC is 32_bit or "Installation_64.exe" if the PC is 64_bit.

ኛ Artcam USB3.0 500MI DS Camera Inst	allation	×
Welcome to install Artcam USB3.0 500MI DS C	amera (Artray Co., Ltd., 12/22/2011)	
Installed devices:		
Artcam USB3.0 500MI DS Camera (#0) (Artray	Co., Ltd)	
Technical Support Information	Install	Jpdate

- 2. After installing the driver and connecting the cameras, open "ArtViewer" the viewer software.
- 3. From the main menu of ArtViewer, click on "Camera Settings". Choose the corresponding camera and then click "OK". At this point the streaming image is not switched to the selected camera yet.

Camera settings	×
Modification DirectShow Device	Artcam USB3.0 500MI
Video format Colour space(C): 24bit_colour Output size(S): 2560 x 1920 Sub-sampling(S): 1/1	Custom size Custom
Frame rate Waiting Time(ms) 10	Operation clock Normal
[OK Cancel Apply

4. Click "Filter Settings" from the main menu and change "Camera No." to "1", and then click "Set" and "OK".

operties		×
vtcam USB3.0 Property Page	Properties	
Exposure Time:	Artcam USB3.0 Property Page	
L Auto	Exposure Time:	1970 ExTrigger
Global Gain:]	L Auto	Timeout (Millisecond): 3000 Set
🗖 Auto	Global Gain:	16
	Auto	More 🗖 Horizontal Mirror 🗖 Vertical Flip
🗸 Color Enable 🛛 🔽	Color (or Correction 🔽 Auto White Balance
Gain (Red):	Gain (Red): (86 *
Gain (Green):	Gain (Green): [128
Gain (Blue): ————————————————————————————————————	Gain (Blue): [89 Full Image Size: 2560 1920
-		
Brightness:	U Change to T	
Saturation:	J Saturation:	H: 1920
Contrast:		
Hue:		
Camera No		Set
10		③ Click
		OK Cancel Apply

5. Click "Image Mode" from the main menu, and then click "Movie Mode" to change camera image on screen.