# UCAM-E1C30T Series UCAM-B1C30T Series



# SETUP GUIDE

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## **PC Camera Installation and Setup**

This chapter explains how to install the included Driver Utility and connect the PC camera to a PC. The PC camera operates also as a TWAIN device that can be used with Adobe Printshop and Microsoft Imaging. These image processing applications enable you to take VGA size still pictures with the PC camera.

### Oriver Utility Installation

This procedure explains how to install the Driver Utility first and then connect the PC camera.

DirectX 8.1 or later is required to run the Driver Utility. If not already installed, use Windows Update or other means to install DirectX.

Using Windows Update installs the latest version (as of October 2004), DirectX 9.0c.

Install the Driver Utility before connecting the PC camera to the PC. If done the other way around by mistake, cancel installation of the displayed USB device, disconnect the PC camera and install the Driver Utility.

#### Installing in Windows XP

- **1.** Load the Install Disk into the CD-ROM drive.
- 2. Click on "ファイル名を指定して実行 …" in the Start menu and, when the 「ファイル 名を指定して実行」 window appears, type "D:¥setup.exe" into the text box and click on the of the button

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ファイルネ	を指定して実	ī		?×	]
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名前侧	D.Woetup.exe			~	
	C	OK D	キャンセル	●報(8).	

"D" is the CD-ROM drive of your PC. Normally, it is the D drive.

3. Click on the Model button.



4. Select "完全" and then click on the 述意 button.



5. Click on the Dite button.





6. Click on the 7 button.



7. Peel off the sticker from the USB connector of the PC camera.

8. Plug the USB connector of the PC camera into a USB port of the PC.



Though this PC camera consumes a maximum 100 mA of power, because of specifications, connect it to a USB port that supplies 500 mA.

- The PC camera may be connected and disconnected while power to the PC is ON.
- Do not try plugging the USB connector in upside-down.

This completes Driver Utility installation. Next, check that the Driver Utility was correctly installed. Go to pg. 10. Installing in Windows 2000

- 1. Load the Install Disk into the CD-ROM drive.
- 2. Click on "ファイル名を指定して実行…" in the Start menu and, when the 「ファイル 名を指定して実行」window appears, type "D:¥setup.exe" into the text box and click

on	the 📖	OK D	utton.
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	OK	<b>)</b> **>±01	會接個).

- "D" is the CD-ROM drive of your PC. Normally, it is the D drive.
- 3. Click on the button.



4. Select "完全" and then click on the 述 W button.



**5.** Click on the *Date* button. Installation will begin.



6. Click on the **R**7 button.

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	enni 230-3-0200 (00 900200) and00 -4071205	
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- 7. Peel off the sticker from the USB connector of the PC camera.
- 8. Plug the USB connector of the PC camera into a USB port of the PC.



The「新しいハードウエアの検出ウイザー ド」 window will appear.

The PC camera may be connected and disconnected while power to the PC is ON.

- Do not try plugging the USB connector in upside-down.
- 9. Click on the <u>★</u> button.
- IO. Click on the LUND button.

   The PC will restart.

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   DSFAREOUT

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This d	completes Drive	r Utility installa	tion.
Next,	check that the D	river Utility wa	s correctly
instal	led. Go to pa. 10		-

Installing in Windows Me

and the lower

- Load the Install Disk into the CD-ROM drive.
- 2. Click on "ファイル名を指定して実行…" in the Start menu and, when the「ファイル 名を指定して実行」 window appears, type "D:¥setup.exe" into the text box and click on the OK button.
  - "D" is the CD-ROM drive of your PC. Normally, it is the D drive.

キャンセル 単編(B)

3. Click on the button.



4. Select "完全" and then click on the [述 ] button.



**5.** Click on the *Distant* button. Installation will begin.

# 

6. Click on the 37 button.



- 7. Peel off the sticker from the USB connector of the PC camera.
- 8. Plug the USB connector of the PC camera into a USB port of the PC.



Though this PC camera consumes a maximum 100 mA of power, because of specifications, connect it to a USB port that supplies 500 mA.

The PC camera will be recognized automatically.

The PC camera may be connected and disconnected while power to the PC is ON.

- Do not try plugging the USB connector in upside-down.
- 9. Click on the button.



If asked for the Windows Me CD-ROM, load the CD-ROM into the drive and click on the or button.

#### 



This completes Driver Utility installation. Next, check that the Driver Utility was correctly installed. Go to pg. 10. Installing in Windows 98/98SE

- **1.** Load the Install Disk into the CD-ROM drive.
- 2. Click on "ファイル名を指定して実行…" in the Start menu and, when the 「ファイル 名を指定して実行」 window appears, type "D:¥setup.exe" into the text box and click

on 1	the 📖	OK	button.
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1	実行するプログラム: トリゾース名を入力	8. 741.88. P#18 UT(1880)	ント名、またはインターネッ
เล่มอ	D¥setup.exe		
		x 4+>2	ル 参照(8).

- "D" is the CD-ROM drive of your PC. Normally, it is the D drive.
- 3. Click on the button.



4. Select "完全" and then click on the 述 button.



5. Click on the Date button.



6. Click on the 7 button.

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hotal 9 %	Asch (198)

- Peel off the sticker from the USB connector of the PC camera.
- 8. Plug the USB connector of the PC camera into a USB port of the PC.



Though this PC camera consumes a maximum 100 mA of power, because of specifications, connect it to a USB port that supplies 500 mA.

- The PC camera may be connected and disconnected while power to the PC is ON.
- Do not try plugging the USB connector in upside-down.





13. Click on the the button.



14. Click on the **77** button.



15. Click on the button.

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	24080-015-716880-02-05-9 2108 47-4 37162 21027658 102768 1027658 102768 1027658 1027658 102768 1027658 1027658 1027658 102768 1027658 102768 102768 102768 102768 102768 102768 102768 102768 102768 102768 102768 102768 102768 102768 102768 102768 1027
	(HOID (7/1) 449866

**16.** Select "使用中のデバイスに最適なドライ バを検索する" and click on the <u>」</u> button.



 Click on the button without placing a checkmark in any of the checkboxes.



- 18. Click on the ★★★ button.
  CUTURE OF CONTRACT OF CONT
  - If asked for the Windows 98/98SE CD-ROM, load the CD-ROM into the drive and click on the OK button.

19. Click on the 57 button.



If a conflicting version message appears, read it and click on the *statuy* button.



This completes Driver Utility installation. Next, check that the Driver Utility was correctly installed. Go to pg. 10.

### Installation Check

This procedure explains how to check whether the Driver Utility was correctly installed or not.

- 1. Connect the PC camera to the PC.
- 2. Click on "プログラム" >> "ELECOM UCAM-B1C30&E1C30 series" >> "AMCap" from the Start menu.

The AMCap video capture tool will start up.

# Note

If a message like that at right appears, the Driver Utility was not cor-

	$\sim$
⚠	Sorry, you have no video capture hardware
	OK

rectly installed or the PC camera is not correctly connected to the PC. Click on the [OK] button and check whether the PC camera is correctly installed or not. If there is nothing wrong with how the PC camera is installed, the Driver Utility was not correctly installed. Therefore, disconnect the PC camera, uninstall the Driver Utility and repeat the procedure in "PC Camera Installation and Setup" of the Setup Guide.  Click on the Device menu and verify that a checkmark appears next to "ELECOM UCAM-B1C30&E1C30 series".

If it does not, click on it so that a checkmark appears.



4. Check that "USB camera" appears.



 Click on Preview in the Option menu to add a checkmark to the item. The camera image will be shown.



The camera image means the Driver Utility was correctly installed and the PC camera is working properly.

## Driver Utility Uninstallation

This procedure explains how to uninstall the installed Driver Utility. If the Driver Utility is no longer needed, uninstall it as follows.

1. If using Windows XP. click on "すべてのプロ グラム" >> "ELECOM UCAM-B1C30&E1C30 series" >> "Uninstall" from the Start menu. If using Windows 2000/Me/98SE/98, click on "プログラム">>> "ELECOM UCAM-B1C30 &E1C30 series" >> "Uninstall" from the Start menu.

The Installer will start up and the  $\lceil x \ v \ \tau \ t$ ス」 window will appear.

2. Check that "削除" is selected, then click on the button.



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3. Click on the tum | button. ELECON UCAM-BIG30&E1G30 series - InstallShield Wizard 選択したアフリケームン、およびすべてのロ/ボーネ/小を完全に削除しますか?

> du tr Uninstallation will begin.

4. Click on the The button.



Depending on your environment, a message instructing you to restart the PC will appear.

This completes uninstallation.

## Image Adjustment

The Settings window of the USB camera can be called from the video capture application or the video chat application. This window is for setting brightness, white balance, etc.

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Settings	
Image Control	Default
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Bightness 50	Save
Contrast 36	Restore
Gamma - 78	In/Out Door
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Saturation 44	(* Indoor
Shapness 25	Circuit
Image Quality J	€ 60 Hz
Auto Mode Control	Display
USB Bandwidth 🛛 🗸 🔽	© CRT
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- Image Mirror Flip Inverts the image horizontally.
- Image Vertical Flip Inverts the image vertically.
- Brightness

Adjusts the brightness.

Contrast

Adjusts the difference between dark and bright areas so as to sharpen the image.

Gamma

Sets the gamma of the camera image.

Hue

Adjusts the hue.

Saturation

Adjusts the color saturation.

Sharpness

Brings out the contours in the camera image.

Image Quality

Sets the image quality. Image quality is prioritized the farther to the right the bar is. If the PC cannot keep up with processing and the image becomes grainy, set the bar farther to the left.

#### USB Bandwidth

Sets the bandwidth of the USB connection. Placing a checkmark in the checkbox sets bandwidth and adjusts the image quality automatically.

Exposure

Sets the image exposure. Placing a checkmark in the checkbox sets the image exposure automatically.

WhiteBalance

Sets the white balance. Placing a checkmark in the checkbox sets the white balance automatically.

#### In/Out Door

Selects whether the PC camera is installed Outdoor or Indoor.

#### Flicker

Sets the frequency if the light source flickers because of location.

Display

Selects the type of display being used.

#### Backlight Comp

Placing a checkmark in the checkbox brightens the image.

#### Reset

Returns settings to their defaults.

Save

Saves the current setup.

#### Restore

Reads the saved setup.

#### What operating systems can this Driver Utility run on?

The Driver Utility can be used with Windows 98, Windows 98SE, Windows Me, Windows 2000 and Windows XP.

It cannot be used with Macintosh operating systems.

#### I connected the PC camera before installing the Driver Utility.

If the PC camera is connected by mistake before installing the Driver Utility, cancel installation of the displayed USB device, disconnect the PC camera and install the Driver Utility.

#### Audio is not input from the headset microphone/camera microphone.

With camera models that have a built-in microphone, like this product, there are two microphones available to users: the audio device's microphone and the camera's microphone. When a camera with a built-in microphone is connected and disconnected, the PC automatically changes the audio input device (i.e., microphone, etc.) selection.

	When not connected to a PC	When connected to a PC
Image input	Camera image	Camera image
Audio input	Microphone built into the PC (Headset)	Microphone built into the camera
Audio output	Speaker built into the PC (Headset)	Speaker built into the PC (Headset)

If the camera is disconnected from the PC after use, the PC automatically reengages the microphone built into the PC (headset) as the audio input. Normally when the driver for a camera with a built-in microphone has been installed and a camera with a built-in microphone has been connected to the PC, the microphone of the camera is automatically selected as the audio input device. To select an audio input device, such as a headset, when a camera with a built-in microphone is being used, perform the procedure on the following page.

#### Selecting an Audio Input Device with Windows XP

- 1. Connect the camera to the PC.
- **2.** Select "コントロールパネル" from the Start menu. The control panel will appear.
- **3.** Select "サウンド、音声、およびオーデイオデバイス ">> "サウンドとオーデイオデバイス ". The 「サウンドとオーデイオでバイスのプロパティ」 window will appear.
- **4.Click on the**「オーディオ」**tab.** The「オーディオ」tab will open.
- 5. Select a microphone (input device) under " 既定の デバイス " in " 録音 ". Select which audio device to use as the microphone.

In the window of this example, "AC97 Audio" has been selected. This is the microphone (headset) built into the PC.

- **6.** Click on the <u>o</u><sup>™</sup> button. The 「サウンドとオーディオデバイスのプロパ ティ」 window will close.
- 7. Click on the 図 button. The 「サウンド、音声、およびオーディオデバイス」 window will close.

This completes the procedure. An input device has been selected when a camera with built-in microphone is connected to the PC.

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#### Selecting an Audio Input Device with Windows 2000/Me

- 1. Connect the camera to the PC.
- 2. Select " 設定 " >> " コントロールパネル " from the Start menu. The control panel will appear.
- **3.** Double-click on the 「サウンドとマルチメディア」 icon. The 「サウンドとマルチメデイアのプロパティ」 window will appear.
- 4. Click on the 「オーディオ」 tab. ? | X | The 「オーディオ | tab will open. オーディオ ハードウェア 5. Select a microphone (input device) under " 優先す ドとマルチメディアのプロパティ ? | × | サウンド オーディオ ハードウェア るデバイス "in " 録音 ". 音の再生 Select which audio device to use as the microphone. 優先するデバイス(E) In the window of this example, "AC97 Audio" has AC97 Audio Ŧ been selected. This is the microphone (headset) built #
  当
  新用(D) 容量(V) into the PC 錄音 優先するデバイス(R) AC97 Audio 音量(0) 詳細(N) MIDI 音楽の再生 日日日日 優先するデバイス(E) Microsoft GS Wavetable SW Synth 音量① バージョン情報(B) 6. Click on the OK button. □ 優先デバイスのみ使用する(U) The 「サウンドとマルチメデイアのプロパティ」 OK キャンセル 適用(A)

window will close and the control panel will return.

#### 7. Click on the X button.

The control panel will close.

This completes the procedure. An input device has been selected when a camera with builtin microphone is connected to the PC.

#### Selecting an Audio Input Device with Windows 98

- 1. Connect the camera to the PC.
- 2. Select " 設定 " >> " コントロールパネル " from the Start menu. The control panel will appear.
- **3.** Double-click on the 「マルチメディア」 icon. The 「マルチメディア」 window will appear.
- **4.** Check the  $\lceil \tau \vec{\tau} \cdot \tau \rceil$  tab has been selected.



#### 7. Click on the 🔀 button.

The control panel will close.

This completes the procedure. An input device has been selected when a camera with builtin microphone is connected to the PC.

#### -MEMO-

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