

# Driver Software for USB Camera Module

## INSTALLATION MANUAL

- Read this instruction manual carefully before using the product.
- Attempting to operate this product by methods different from those described in this instruction manual may cause serious accidents.
- Keep this instruction manual near the product for easy reference when needed.

Document Number : K46-B6051

Document Revision : 1.00 07.Aug.2009

**HAMAMATSU**

COPYRIGHT© HAMAMATSU PHOTONICS K.K.

# Software License Terms

Please carefully review the following terms and conditions.

Hamamatsu Photonics permits the use of this software only to those companies which accepts the License Terms for using "MCD Head Products" as well as "Amprefer Board Products" ("our products"). By copying these files, or installing this software, user agrees to be bound by the License Terms. In case, the user disagrees with the complete or a part of the License Terms, he will not be able to install or use this software.

## 1. The purpose of this software

Considering the convenience of the users who wants to use our product easily, the software is licensed free of charge with no warranty. Please use this software at your own discretion and responsibility.

## 2. License

Only the user who agrees with the License Terms has the right to install and use our software application solely for purposes of implementing the measurement and control of our products.

## 3. Ownership of copyrights and other rights

Proprietary software and related documentation, and all other intellectual property rights will belong to us. International treaties and laws on intellectual property rights and copyright law protect this software. The user is not allowed to change or modify the attached Software or documentations.

Except for matters that are explicitly licensed under License Terms, we will not transfer or grant any rights to users. All rights on this software and documentation are reserved to us.

## 4. Reproduction

Users can reproduce this software for backup purposes in compliance with the terms of any provision of this license.

## 5. Prohibition clause

The user can not do the following things. However, in case user rents or leases or transfers our products to a third party user and the third party agrees to the License Terms of the product of our company, our company continues to permit the use of this software to a third party under this License Terms.

- 1) Sublicense, distribute or otherwise transfer the Product or any component thereof to any third party.
  - 2) Re-license or transfer the rights to use this software to the third party.
  - 3) Lease, rent or loan the Product to any unlicensed third party.
  - 4) Modify or remove part or all of this software including this License Terms and other attached annexes. The change in the file name is included in the modification.
  - 5) Reverse engineer, decompile, disassemble, or otherwise attempt to derive the source code of this Software.
-

## 6. Limitation of Liability

Hamamatsu Photonics will guarantee neither this software nor the attached annex including adaptability to the quality, the performance or the particular purpose at all. In any case, computer failure or damage arising from use of or inability to use this software and documentation, loss of information, all other direct and indirect damages, we will not be responsible. Moreover, not only maintenance and support but also in the event of any defect or failure, etc., we do not bear responsibility including repair and restoration of this software.

Hamamatsu Photonics can do changes without notice for improvement of this software.

## Table of contents

|  |    |
|--|----|
| 1. Introduction .....                                    | 2  |
| 2. Recommended specifications .....                      | 3  |
| 3. Attached software .....                               | 4  |
| 4. Setup .....   | 5  |
| 4.1 Installation and Setup of driver software .....      | 5  |
| 4.2 Uninstallation of driver software .....              | 10 |
| 4.3 Important note on setup of the driver software ..... | 12 |

# 1

# Introduction

---

This software installs the driver software for the USB(Universal Serial Bus) camera module control. This manual describes the installation method of the USB camera module to the PC using Windows.

Please refer to this manual while performing setup.

# Recommended specifications

---

The following specified environment is recommended for the software.

## **CPU**

32Bit(x86) processor of 1GHz or higher

## **RAM**

256MB or higher

## **Operating system(OS)**

Microsoft® Windows® 2000 (Service Pack 4 or higher)

Microsoft® Windows® XP (Service Pack 2 or higher)

\* Microsoft® Windows® XP 64Bit (x64) is not included.

## **Interface**

USB2.0 compliant.

## **Drive device**

CD-ROM drive or DVD drive.

\* For install.

## Attached software

---

The following installer of driver software is included in the accompanying CD.

USBCamIFInstaller.exe

It explains the setup procedure of the driver software.

## 4.1 Installation and Setup of driver software

About the setup of the driver software

- 1) Installation of driver software
- 2) The setup of the driver software

are operated.

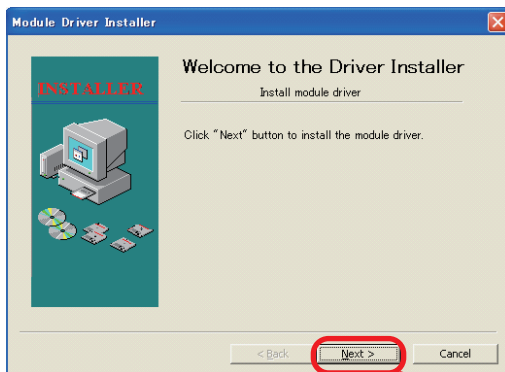
The installation of the driver software uses related installer software.

The required installer software is included in this CD, please install according to the following procedure.

### 4.1.1 Installation of driver software

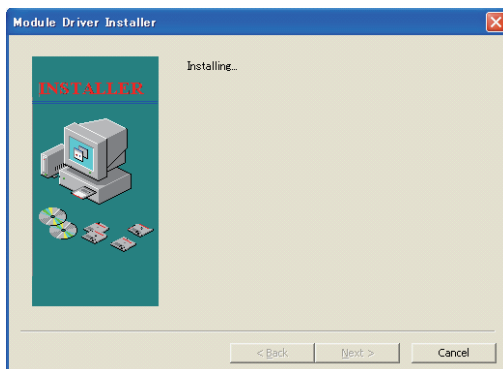
The driver software is installed in the computer.

1. The installer is started.  
Execute the installer file "USBCamIFInstaller.exe" included in this CD.
2. After the installer starts, install according to the installation wizard.  
The installation of the driver software begins on clicking the "Next" button on the wizard.

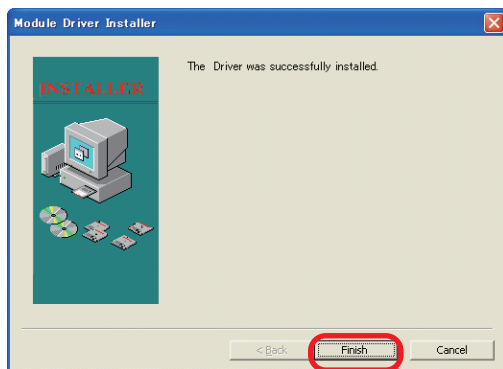




3. It takes a while for the installation procedure to complete.



4. On successful completion, the message as shown in the figure below is displayed. Click the "Finish" Button.  
The wizard is closed and successful installation of the driver software is completed.



Click

### 4.1.2 Setup of Driver Software.

Setup of installed driver software.

**(1) Connect the PC to the USB camera module with the USB cable.**

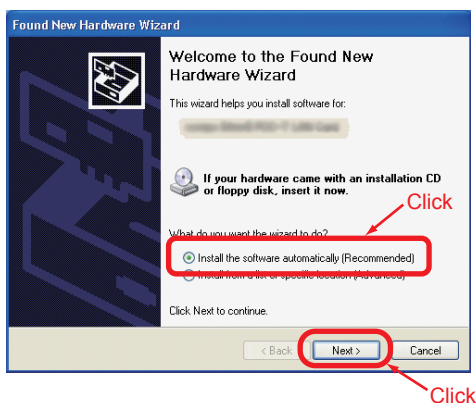
Please turn on power when the USB camera module equipped with the power supply unit is used or an external power supply is used.

**(2) Setup of driver software.**

The connected USB camera module is detected as "New hardware", and the driver software is set up automatically. However, screen of the detection of "New hardware" and "Detection wizard of new hardware" might be displayed by the environment (difference of OS) used. In that case, please set it up by the following procedures.

**1. Detection wizard of new hardware**

Click the "Install the software automatically [Recommended]" radio button to select it and click the "Next >" button.

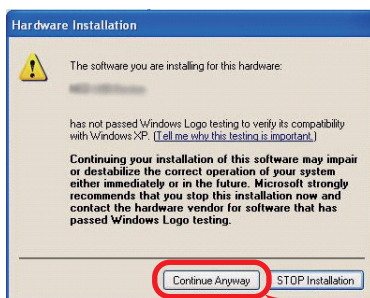


The driver software is detected as important software, and the installation begins automatically.

## 2. Screen when setup is being executed

Moreover the window as shown below might be displayed while installing the driver software.

It is a warning that driver software currently being installed does not pass the authorization test of the Windows logo. Since there is no problem in operation, click "Continue Anyway" button.

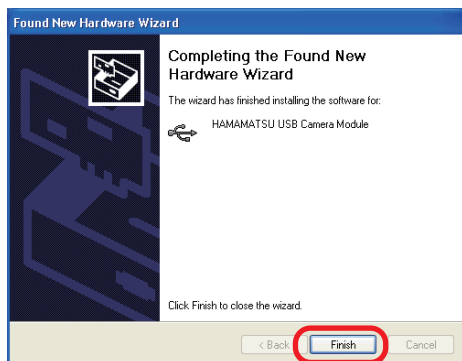


## 3. Setup completion screen

To "Detection wizard of new hardware" screen when the setup is completed

- Completing the found new Hardware Wizard.
- AMAMATSU USB Camera Module.

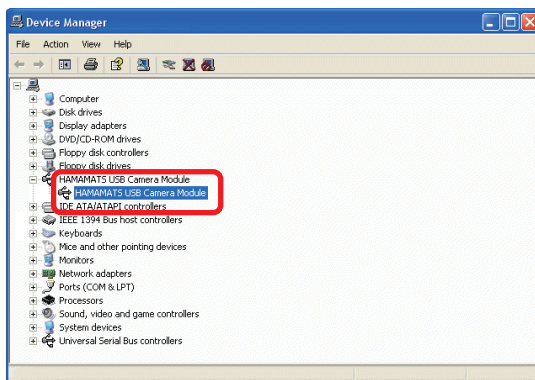
When displayed, click the "Finish" button. The setup of the driver software is completed.



### (3) Confirmation of driver software setup

The successful installation of the driver software can be confirmed from the "Device Manager".

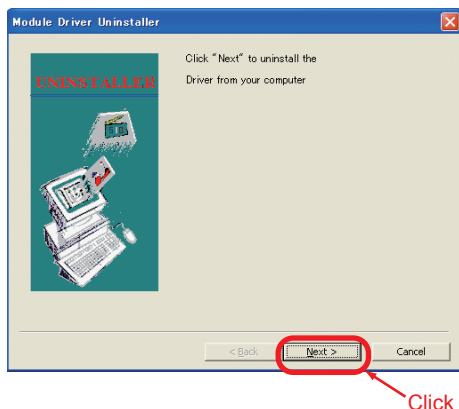
After the driver is installed right click on "My Computer" and select "Properties". The "System Properties" window will be displayed. In this window, click the "Hardware" tab and then click the "Device Manager" button. Check whether "HAMAMATSU USB Camera Module" is displayed in the device manager window.



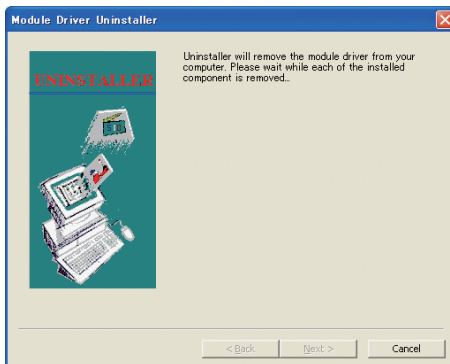
## 4.2 Uninstallation of driver software

The method to uninstall the driver already installed (And set up) is mentioned as follows. Uninstall the software driver using "Add or Remove Programs"(\*1) from the "Control Panel".

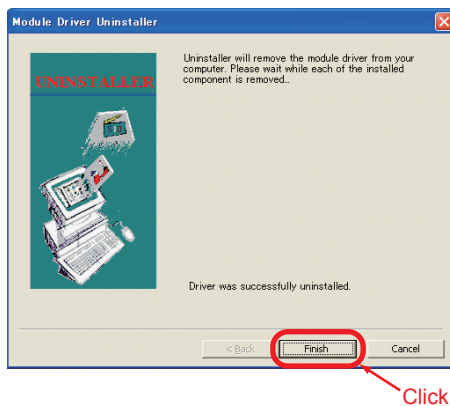
1. Select "Control Panel" from the "Start Menu" or "Settings" option of the "Start" menu.
2. Click on "Add or Remove Programs" present in the "Control Panel".  
\* As per the Operating System, the name of the location differs.  
"Add/Remove Programs" for Windows® 2000.  
"Add or Remove Programs" for Windows® XP.
3. Select "HAMAMATSU CCD Signaling Process Module" from the displayed list.  
The uninstallation of driver software starts as "Change/Remove"(\*2) button is clicked.  
After that, continue according to the uninstallation wizard.
4. When the "Next" button on the wizard is clicked, the uninstallation of the driver software begins.



5. It takes a while until the uninstallation procedure is completed.



6. When the uninstallation of the driver software completes successfully, dialog is displayed, click the "Finish" button.  
The wizard is closed, and uninstallation of the driver software is complete.



### 4.3 Important note on setup of the driver software

When renewing the driver software to newer version or installing old version used earlier, please do so only after carrying out uninstallation of current version as per the "4.2 Uninstallation of Driver software" mentioned above.

## Document History

| Date        | Document Revision | Contents       |
|-------------|-------------------|----------------|
| 07.Aug.2009 | 1.00              | First Printing |



## USB Camera Module Control Driver Software Installation Manual

### Manufacturer

Hamamatsu Photonics KK

#### Head Office

1126-1, Ichino-Cho, Higashi-Ku, Hamamatsu-City, Shizuoka Pref., 435-8558, Japan

Phone:(81)53-434-3311

Fax:(81)53-434-5184

Document Number : K46-B60051

Document Revision 1.00 07.Aug.2009

Information in this document is subject to change without notice.

Microsoft®, Windows®, Windows 2000®, Windows XP® are Microsoft Corporation trademarks or registered trademarks. Intel®, Pentium® are Intel Corporation trademarks or registered trademarks.