

INSTRUCTIONS

DP74

Microscope Digital Camera

This instruction manual is for the Evident microscope digital camera DP74.

To obtain optimum performance of this product and to ensure the safety, study this manual thoroughly before operating this product and keep it on hand during operation of this product.

Retain this instruction manual in an easily accessible place near the work desk for future reference.

For products included in the configuration of this system, see page 18 of this instruction manual.

Optical Microscope Accessory

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This product is applied with the requirements of standard IEC/EN61326-1 concerning electromagnetic compatibility.

- Immunity Industrial and basic electromagnetic environment

Emissions exceeding the level required by aforementioned standards may occur if this product is electrically connected to other equipment.



In accordance with European Directive on Waste Electrical and Electronic Equipment, this symbol indicates that the product must not be disposed of as unsorted municipal waste, but should be collected separately.

Refer to your local Evident distributor in EU for return and/or collection systems available in your country.

NOTE: This product has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the product is operated in a commercial environment. This product generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this product in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC WARNING: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the product.

For Korea only

이 기기는 업무용 환경에서 사용할 목적으로 적합성평가를 받은 기기로서 가정용 환경에서 사용하는 경우 전파간섭의 우려가 있습니다.

Table of Contents

Introduction	1
Safety precautions.....	2
Handling precautions.....	6
1 System diagram.....	18
2 Nomenclature of respective portions	19
3 Assembly.....	21
3-1 Attaching the camera head.....	21
3-2 Installing the low-profile bracket.....	23
3-3 Installing the PCIe interface board.....	24
3-4 Connecting the camera interface cables	27
3-5 Connecting the external equipments.....	29

4 Installation of software.....	30
5 Outline of image acquisition procedures	32
6 External trigger function	34
7 Specifications.....	36
8 Troubleshooting	42

Introduction

With this microscope digital camera DP74 attached to the Evident microscope using the C-mount camera adapter, the image from the microscope can be acquired.

Using this microscope digital camera DP74 in combination with non-Evident C-mount camera adapters or non-Evident microscopes may not obtain intended performance.

Safety precautions

If the product is used in a manner not specified by this manual, the safety of the user may be imperiled. In addition, the product may also be damaged. Always use the product according to this instruction manual.

The following symbols are used in this instruction manual.



CAUTION : Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.



NOTE : Indicates a potentially hazardous situation which, if not avoided, may result in damage to the product or other property.



TIP : Indicates the useful knowledge or information for use.

CAUTION - Installation of the product -

Install the product on a sturdy, level table or bench.

For safety, in particular, do not place a mat, etc. under the product.

Do not allow the height of the microscope higher than 1 m.

In order to prevent the microscope from overturning, do not combine accessories to make the height of the microscope higher than 1 m.

CAUTION - Electric safety -

Be sure to turn OFF the power of the product before connecting/disconnecting cables.

Before connecting or disconnecting the camera interface cable, make sure that the power of the PC is set to OFF.

When connecting the camera interface cable, push it into the connector all the way and make sure that the cable will not be slipped out before setting the power of the PC to ON.

When moving the PC, set the power of the product to OFF in advance.

Do not move the PC or apply an impact to the PC while the power is ON.

Always use the power cord provided by Evident.

If the proper power cord is not used, the electric safety and the EMC (Electro-Magnetic Compatibility) performance of the product cannot be assured. If no power cord is provided, please select the proper power cord by referring to the section "Proper selection of the power supply cord" at the end of this instruction manual.

Always connect the ground terminal.

Connect the grounding terminal of the power cord and the grounding terminal of power outlet. If the product is not grounded, our intended electric safety and EMC performance of the product cannot be assured.

Do not use this product in close proximity to the sources of strong electromagnetic radiation.

The proper operation may be interfered. The electromagnetic environment should be evaluated prior to operation of the product.

Disconnect the power cord in case of emergency.

In case of emergency, disconnect the power cord from the power cord connector of the product or from the power outlet.

Install the product at the location where you can reach the power cord connector or the power outlet by hand to disconnect the power cord immediately.

CAUTION - Prevention of electric shock -

Never insert any tools or metal fragments in the air vents of the product.

It could cause electric shock or failure of the product.

Keep the power cord and cables well away from the lamp housing.

If the power cord and cables contact a hot area of the lamp housing, they could melt and cause electric shock.

CAUTION - Prevention of burns -

Do not keep touching the camera head for long hours.

The camera head generates heat after long hours of use. Be careful not to allow the camera head to touch your skin for long hours to avoid the low temperature burns.

Do not touch the heat generating section inside the PC.

Do not open the housing of the PC and touch the power supply or the circuit board's heat generating section right after use, since it may burn your hand. Wait until the internal temperature drops sufficiently.

Do not touch the PCIe interface board while using or immediately after use.

While using this product, the PCIe interface board becomes very hot. When removing the PCIe interface board, turn OFF the power of the PC and wait for a while before removing it.

If you need to touch the PCIe interface board, be careful not to burn yourself.

CAUTION - Prevention of injury -

Do not touch sharp edges inside the PC.

Sharp edges inside the PC may cut your fingers, so take extra care.

CAUTION - Safety symbols -

The following symbols are placed to the product.

Understand the meaning of the symbols and always use the product in the safest possible manner.

Symbol	Meaning
	Indicates a non-specific general hazard. Follow the description given after this symbol or in the instruction manual.
	Indicates that the surface becomes hot, and should not be touched with bare hands. It may cause burns.

Labels

Labels are placed at parts where special precaution is required when handling and using the system. Always pay attentions to the labels.

Label	Indication position	Description in instruction manual	Page
 	Side surface of the fan on the PCIe interface board	Precautions for high temperature	4
See Manual 取説参照 参阅说明书	Right side of the fan on the PCIe interface board	Precautions for using the adjacent slot of the PCIe interface board.	6, 26

If label becomes dirty or is peeled off, contact Evident for replacement.

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