



INSTRUCTIONS

DP73

MICROSCOPE DIGITAL CAMERA

This instruction manual is for the Olympus microscope digital camera DP73. To ensure the safety, obtain optimum performance and familiarize yourself fully with the use of this camera, we recommend that you study this manual thoroughly before operating the camera.

For image operations including recording, editing and saving, please refer to the online manual for the cellSens / OLYMPUS Stream Software.

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

Optical Microscope Accessory

A X 8 2 0 8

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

- Immunity Applied to industrial and basic environment requirements.



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 Olympus 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

B급 기기 (가정용 방송통신기자재)

이 기기는 가정용(B급) 전자파적합기기로서 주로 가정에서 사용하는 것을 목적으로 하며, 모든 지역에서 사용할 수 있습니다.

IMPORTANT – Be sure to read this section for safe use of the equipment. – 1-16

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IMPORTANT

The microscope digital camera DP73 is designed to be connected to a camera adapter mounted on an Olympus UIS2/UIS series of optical microscope (not applicable to the LB series) for use in recording of microscopic magnified images at high speed and highest resolution while maintaining high picture quality and high color reproduction. The DP73 incorporates a variety of functions for supporting image recording under optimum conditions.

When the microscope digital camera DP73 is used with a camera adapter or a microscope from a manufacturer other than Olympus, the optical performance may not be manifested fully.

If the equipment is used in a manner not specified by this manual, the safety of the user may be endangered. In addition, the equipment may also be damaged. Always use the equipment as outlined in this instruction manual.

The following symbols are used to set off text in this instruction manual.

CAUTION

: Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury or damage to the equipment or other property. It may also be used to alert against unsafe practices.

©

: Indicates commentary (for ease of operation and maintenance).

Caution on Image Data Storage

The recorded image data may be lost (destroyed) in the following cases. Note that Olympus will not assume any liabilities for the loss (destruction) of recorded data. The image data may also be destroyed by an unexpected cause. It is recommended to back up the data periodically.

- When the user or a third party services repairs the equipment.
- When the PC is shut down, the AC adapter is disconnected or the power cord is unplugged during recording or erasure (formatting) of the PC.
- In case when continuing to save the data for the period exceeding the life time of data storage of USB memory, (approx. 1 to several years).
- When the equipment fails.

Please note if following cases may occur though the camera is working properly, the image restoration or the compensation for damages are not guaranteed.

- The image is abnormal.
 - File properties e.g. file names, file time, etc. are abnormal.
 - The image is lost.
- ◎ In general, as the data retention lifetime is set in the electronic memory media, e.g. USB memory, HDD, CD-R, DVD-R, etc., the saved files may be lost after several years.
- ◎ The image data may disappear (be destroyed) unexpectedly. Be sure to backup the data on regular base.
- ◎ Make sure that there is no problem when acquiring the subjects before acquisition. Please note that even though the problem may occur caused by the acquired images, Olympus will not be responsible for these problems.



SAFETY PRECAUTIONS

Safety Symbols

The following symbols are found on the microscope. Study the meaning of the symbols and always use the equipment in the safest possible manner.

Symbol	Explanation
	Indicates a non-specific general hazard. Follow the description given after this symbol or in instruction manual.

Warnings

Warning engravings are placed at parts where special precaution is required when handling and using the microscope. Always heed the warnings.

Warning engraving position	Rear of the camera head	
	PCIe extension box	
	PCIe interface board	

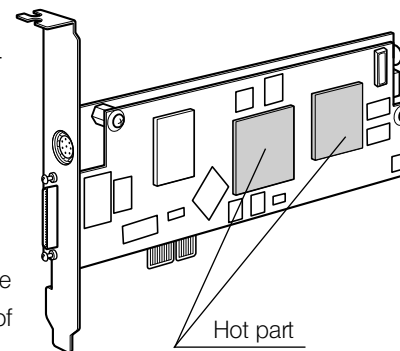
If the warning engraving becomes dirty or is peeled off, contact Olympus for replacement.

CAUTION Never connect or disconnect the interface cable while the standby switch  of the PC is set to ON. Otherwise, malfunction may result.

1. Before connecting or disconnecting the interface cable, make sure that the standby switch  of the PC is set to OFF.
When connecting the interface cable, push in the connector all the way and ensure that the connector will not slip out before setting the standby switch  to ON.
Do not move the PC or apply an impact to it while it is powered ON.
2. The cords and interface cables are vulnerable to bends or twists. Do not apply excessive force to them.
3. To prevent the microscope from toppling down, avoid using microscope attachments that may make the total height of the microscope above 1 meter when they are attached.
4. When installing the PCIe interface board, be sure to hold it by the edge. Never touch the board surface directly, as this will lead to malfunction.

⚠ The area (IC) of the PCIe interface board becomes very hot during and immediately after use of the camera. Be careful never to touch them during and after use.

5. For handling of the PC, refer to the separately provided "PC User's Manual".
6. Always use the power cord provided by Olympus. If no power cord is provided, please select the proper power cord by referring to the section "PROPER SELECTION OF THE POWER CORD" at the end of this instruction manual. If the proper power cord is not used, the safety and EMC performance of the device can not be assured.
7. Always connect the power cord correctly and ensure that the grounding terminal of the device and that of the wall outlet are properly connected. If the device is not grounded, our intended electric safety and EMC performance of the device can not be assured.
8. When installing the DP73, route the power cord away from the lamp house of the microscope. Should the power cord come in contact with a hot part, the power cord could melt and cause electric shock.
9. After operation or in case of abnormality, be sure to disconnect the power cord from the connector on the product or from the outlet.
10. Do not permit tools or metal fragments to get into air vents, or other apertures. Doing so could cause failure of the PCIe extension box or electric shock to the user.





PC and Software

CAUTION The PC data may be destroyed by an unexpected event. Be sure to keep a backup of the data.

1. Olympus will not assume any liabilities for any damage incurred due to the use or non-usability of this system, including compensation for the lost data.
2. The PC used with this system should set up and run the OS designated by Olympus.
For the OS in the PC, the user is requested to create a backup and retain it carefully. (Olympus does not support the matters related to the OS including its backup.)
For details on the PC and OS, refer to their respective manuals.
3. Olympus guarantees the quality of this product in the factory shipment condition.
Olympus will not assume any liabilities for the operation errors and functional faults incurred due to the alteration of the environmental setup (including BIOS change), installation of other software or addition of hardware to the PC by the user.
4. When the HDD free space reduces, the data processing speed may slow extremely or errors may occur frequently. To prevent this, delete unnecessary data files frequently. For how to delete data files, refer to the manuals for OS.
5. Never attempt to delete or rename the folders and files installed by the provided installer software. Otherwise, the software may get unable to be started up.
6. Do not open the housing of the PC and touch the power supply or the circuit board's heat generating section right after use as it may burn your hand. Wait until the internal temperature drops sufficiently.
7. Sharp edges inside the PC may cut your fingers, so take extra care.
8. Use a PC that complies with the safety standards of your country.

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