### DP26 specifications

**Image sensor**
- 2/3 inch color CCD

**Mount**
- C-mount

**Recording range**
- Effective pixels: 5.05 megapixels (total: 5.24 megapixels)
- Scanning method: Progressive scan

**Imaging**
- Single chip color CCD camera

**CPU**
- Intel Core i5, Intel Core i7, Intel Xeon (QuadCore CPU recommended)

**Memory**
- 8 GB or larger recommended (4 GB minimum)

**Display**
- 1280×1024 recommended (1024×768 or larger), 32-bit video card

**Dimensions**
- Handset: 102 (W)×102 (D)×24 (H) mm (excluding cable)
- Control unit: 180 (W)×215 (D)×45 (H) mm
- Camera head: 77 (W)×84 (D)×42.5 (H) mm

**System requirements for DP2-TWAIN, cellSens**
- Web browser: IE8.0 or later
- OS Language: Japanese, English
- Drive: DVD-ROM drive
- Display: 1280×1024 recommended (1024×768 or larger), 32-bit video card
- Memory: 8 GB or larger recommended (4 GB minimum)

**Image size (file format)**
- JPEG-HIGH (Compression ratio 1/8)
- JPEG-LOW (Compression ratio 1/2.7)
- TIFF
- Movie (AVI) 408×320

**Exposure time**
- Auto: 2–1/20,000s
- Manual: 8–1/20,000s

**Metering modes**
- 1% center (spot), 30% center (average)

**Sensitivity**
- Equivalent to ISO 100/200/400

**Scanning method**
- Progressive scan

**Effective pixels**
- 5.05 megapixels (total: 5.24 megapixels)

**Pre-scan magnification**
- From 0.01× to 9999.99×

**Camera I/F**
- IEEE1394b (9 pin)

**AC adapter**
- DP2-DKTB: PCI-e slot x1
- DP21-DKT (6 pin)*<1394a cable connection>
- DP21-LPT (4 pin): 1394a port (AC adapter for laptop PC system):
- DP26: 1394b port (AC adapter for desktop PC system)

**Movie (AVI) resolution**
- 2448×1920: 3.5 fps
- 1224×960: 16 fps (resolution: 612×480: binning)
- 612×480: 16 fps (resolution: 1224×960)

**Image display**
- According to cellSens specifications and ROI

**Display output**
- DVI-I Digital/Analog RGB

**I/F**
- USB2.0

**Periodic acid-methenamine-silver)**
- 800× 600 WVGA
- 1024× 768 XGA
- 1280× 1024 SXGA
- 1600×1200 UXGA
- 1920×1200 WUXGA

**Connecting condition**
- Wired LAN: 100Base-TX/10Base-T

**Distance**
- XY Distance, Count, Poly Line, and Cross Line
- Boundary Length, Distance of Parallel Lines, Distance of 2 Points, 3 Points Circle, Distance

**Software**
- Image Acquisition
- Capture Brightfield Images with Exceptional Detail
- A Superior 5-Megapixel Digital Camera with Intuitive Imaging Software

**Image data transfer**
- Available

**Not for clinical diagnostic use.**

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*1 Download from our web site
*2 Please refer to our website for the applicable PCs
*3 Commercially available bus powered IEEE1394 board is required
*4 Laptop PC incorporated with IEEE1394a board, or IEEE1394a card required

Specimen images courtesy of:

Dr. Hiroshi Uozaki, Associate Professor,
Department of Pathology, Graduate School of Medicine, The University of Tokyo

Cover page: page 1, lower right: H&E staining for hepatitis, Azan; page 1, upper left: liver (fulminant hepatitis, Azan); page 1, upper right: kidney (membranoproliferative glomerulonephritis, Periodic acid-methenamine-silver)

Page 1, lower left: colon (adenocarcinoma, H&E); page 2, upper left: liver (fulminant hepatitis, Azan); page 2, upper right: kidney (membranoproliferative glomerulonephritis, Periodic acid-methenamine-silver); page 2, lower right: kidney (IgA nephropathy, Azan); page 3, upper right: liver (fulminant hepatitis, Azan); page 3, lower left: liver (fulminant hepatitis, Azan)

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Olympus Corporation is ISO14001 certified.

Olympus Corporation is ISO9001 certified.

OLYMPUS CORPORATION is FM553994/ISO9001 certified.

OLYMPUS CORPORATION is FM553995/ISO14001 certified.

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Microscope Digital Camera

Capture Brightfield Images with Exceptional Detail

A Superior 5-Megapixel Digital Camera

with Intuitive Imaging Software

Printed in Japan M1723E-082012

Not for clinical diagnostic use.
Capturing Highly Detailed 5-Megapixel Images Just Got Easier

Maintained Detail Even After Enlargement

Equipped with an exceptional 5-megapixel CCD, the DP26 digital camera captures images at up to 2448 x 1920 pixel resolution. Large areas captured at low magnification offer exceptionally vivid clarity, even when enlarged several times.

Live Display Enhances Identification of Target Sites

The DP26 offers smooth 1224 x 960-pixel display in real time at 16 frames per second for more efficient identification of target sites. Furthermore, live display at 2448 x 1920 pixels makes low-magnification focusing (1.25x−4x) easy. Such high-level functionality is supported by progressive scanning that eliminates color shift, while high-speed IEEE 1394b connectivity adds a further level of versatility.

Available when connected to a desktop computer and IEEE 1394b card.

Smooth, Live Images in Exceptional Detail

Live display at 2448 x 1920 pixels makes low-magnification focusing (1.25x−4x) easy. Such high-level functionality is supported by progressive scanning that eliminates color shift, while high-speed IEEE 1394b connectivity adds a further level of versatility.

High Fidelity Color Reproduction

The color profile of the DP26 reproduces color faithful to live displayed specimens in real time. Distinguish even the most subtle color differences with natural tones equivalent to those seen through the eyepieces.

Greater Convenience

cellSens Imaging Software

(Not for clinical diagnostic use)

Refrined Performance for Ease of Use

Adjust white balance, switch to live display and capture images, all at the touch of a button, cellSens offers an array of image processing capabilities including a versatile shading function that enables real-time correction for variations in peripheral field illumination intensity. In addition, exposure settings, magnifications, and other parameters are saved with acquired images for easy storage and retrieval.

Multiple Functions for Specimen Observation

The innovative cellSens software offers a wide array of useful and easy-to-use functions. Split-screen display, for example, provides simultaneous viewing of multiple images, or a live image and the most recently captured image. Pictures taken at adjacent locations can also be stitched together to create a single image using the Multi-Image Array functionality. cellSens software may also store user comments with captured images, which can be referred to as necessary or searched using the cellSens Database.

A Handset Designed for Intuitive Operation

As an alternative to a PC-based controller, the DP26 comes also with a convenient handset that allows the user to work comfortably. It enables smooth and easy change of settings, capture of images, simple measurements and data archiving, while its simple key arrangement allows the user to carry out all actions without ever having to glance at a computer keyboard. For added convenience, all captured data can be automatically saved directly to USB memory. The handset is ideal for presentations and teaching environments where the display outputs to a large screen monitor or projector.