



Digital Imaging System DIS1

Serving Your Vision



All-in-one CMOS full HD microscope imaging system providing a sharp, high-definition live view

Compact high definition digital imaging system for operating microscopes

A powerful compact beam splitter with integrated single CMOS full HD colour sensor for operating microscopes. The live operating image can be displayed easily on a monitor only by simply connecting the video cable, giving instant live video display at an impressive 30 frames per second.

Intuitive camera settings by the on-screen display controller

Fingertip operation of the on-screen display via the control keypad located on the side of the main unit for navigating and adjusting various camera settings. Camera parameters are easily adjusted by selecting the menu displayed on the monitor, eliminating the need of a separate camera control unit, minimising external cable exposure from the microscope.

Sharp & clear full HD live image

This high-end integrated CMOS sensor supports a full high definition video signal through the BNC connector. A composite video signal connector is also equipped as standard.

Power supply from the internal microscope board

When used with TAKAGI LED operating microscopes OM-6, OM-9, and OM-19, power can be supplied from the internal board of the operating microscope.

* For other microscopes, power should be supplied from an outlet using the accessory AC adapter.

Accessories

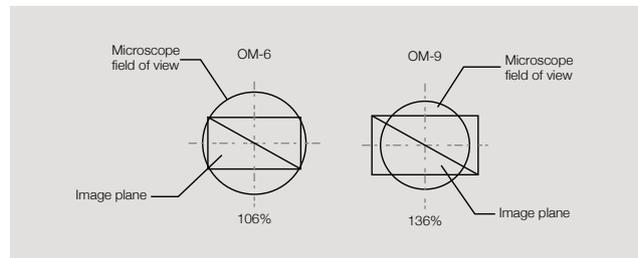
Components supplied as standard: Main body, HD-SDI cable with BNC connectors (10m), DIS power cable for OM-6, OM-9, and OM-19, DC power extension cable (3m), AC power adapter (12V) with US & EU plugs

Options: HD-SDI to HDMI converter and HDMI cable

Specifications

Optical sensor	1/3-inch progressive scan CMOS
Effective pixels	1920 (H) x 1080 (V)
Pixel size	2.75 µm x 2.75 µm
Colour depth	10 bit
Horizontal resolutions	1000 TV lines or more
Output signal	HD-SDI, Composite video output (PAL/NTSC)
S/N ratio	50 dB or more
Frame rate	30 fps (1080P)
Sensitivity	F1.2 at 50 lux
Power requirements	DC 12 V
Power consumption	1.7 VA

Field of View Rate



 To ensure safe and correct handling please read the user manual before using.

- Description and appearance as detailed in this brochure may be subject to change as improvements are made to products.
- Colours as they appear in brochure photographs may be slightly different to actual products due to lighting conditions when photographs were taken, or print colours.

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