



Digital Imaging System DIS 1

Serving Your Vision



All-in-One CMOS Full HD Microscope Imaging System providing a Sharp, High-Definition Live View

1 Compact High Definition Digital Imaging System for Operating Microscopes

A powerful compact beam splitter with integrated single CMOS Full HD color 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.



2 Intuitive Camera Settings by the On-Screen Display Controller

Fingertip operation of the OSD (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, minimizing external cable exposure from the microscope.



3 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.



4 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.

5 Accessories

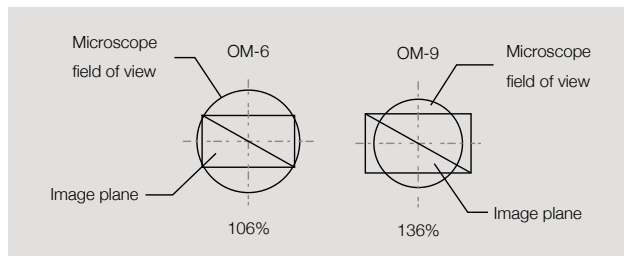
Components Supplied as Standard: Main body, HD-SDI cable with BNC connectors (10m), DIS power cable for OM-6, OM-9, and OM-19, DC power extension cable (3m), AC power adapter (12V) with US & EU plugs

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
Color Depth	10 bit
Horizontal Resolutions	1000 TV lines or more
Output Signal	HD-SDI, Composite video output (PAL/NTSC)
S/N Ratio	50dB or more
Frame Rate	30 fps (1080P)
Sensitivity	F1.2 at 50 lux
Power Requirements	DC12V
Power Consumption	1.7VA

Field of View Rate



•Design and specifications are subject to change as improvements are made to the product.



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