

All-in-One Digital Camera System

Nikon Digital Sight DS-5M-L1



Making it easier to capture and share high resolution true-to-life images

Stand Alone Design

Stand alone design allows independent operation for greater productivity and ease of use, while still allowing connection to PCs via a LAN network and external monitors.

High-resolution 5-megapixel Images

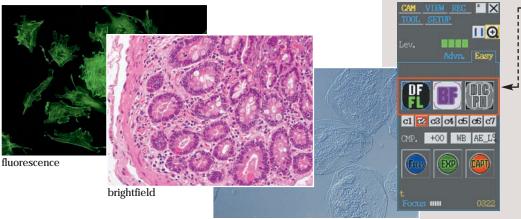
Equipped with a 5-mega pixel color matrix CCD. Captures high-definition images at 2560 x 1920 effective pixels.Built-in image processing capabilities such as shading correction and tone settings are specifically engineered for photomicrography applications. Since DS-5M-L1 automatically calculates the optimum shading correction value to best suit your microscope, you can easily recall and apply the value with click operation.

Pre-programmed Optimum Imaging Mode

Exclusive scene function utilizes a pre-programmed mode to provide optimum photography for each observation method. No need to go through troublesome camera setting procedures for every photo session. Just select the observation method by clicking the scene button with the mouse.

Large 6.3-inch LCD Monito

Even without an external monitor, the large-screen, 6.3-inch LCD monitor built into the minimum-footprint camera control unit offers excellent resolution for fast and accurate focusing as well as observation.



-■Scene function for one-click optimum photography

Based on Nikon's experience with the manufacture of microscopes, optimal pre-programmed imaging modes are provided in the Menu, so the appropriate condition can be selected according to the observation method (brightfield, fluorescence and DIC/phase contrast). The best image can be captured with a simple click. The user's own settings can also be registered in 7 modes as custom settings.

■Count marking function

Up to 99 serial numbers can be marked to provide a convenient way to confirm the number of notes on-screen, and can also be easily saved and printed.

-■Distance measurement between two points

Easily measures the distance between any two points that the user specifies (not available during digital zoom).

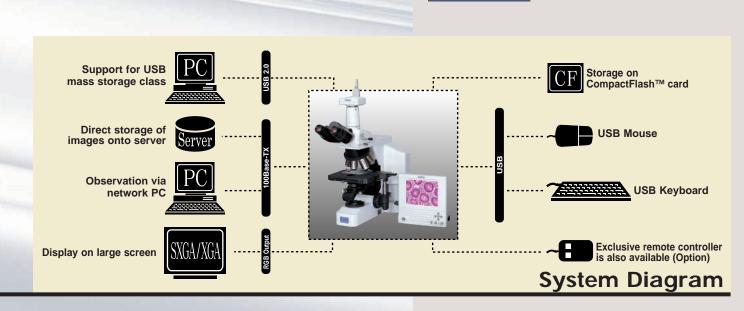
-■2-screen split display

A frozen image can be displayed alongside the live image to compare the two.



■ X ■ Wide variety of other tools

- Text and pen input: The user can input any character on the screen by mouse or via a USB-connected keyboard. Also, lines and figures can be drawn in freehand using the pen tool.
- Thumbnail display: Images stored on CompactFlash™ card can be displayed together on the screen.
 Filenames and photographic information can also be displayed.
- Superimpose function: Saved images can be superimposed over the live image, for easy comparison.
- Cross line display
- Scale display

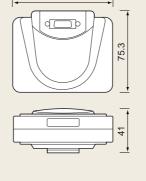


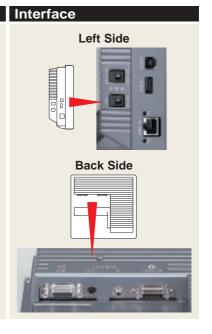


Digital Sight DS-5M-L1

Specification	is .		
CCD	2/3-in. high density CCD; total number of pixels:	Live display mode	5M interlace mode (3.75 frames/sec. max.)
	5.24 million (effective 5.07 million)		1.3M progressive mode (7.5 frames/sec. max.)
Sensitivity	2400 lx, F5.6 or greater; equivalent to ISO 260		1.3M interlace mode (6.8 frames/sec. max.)
A/D conversion	12-bit		Center scan mode (15 frames/sec. max. displays 1/2 in center of V direction)
Lens mount	C-mount	Image size	2560x1920 pixels, 1280x960 pixels, 640x480 pixels
Exposure control	Program AE, Shutter-priority AE, Focus AE, manual,	Storage format	BMP, JPEG (4-step compression)
	with AE lock function	Storage media	CompactFlash card (Type I, Type II)
Exposure time	1/1000 to 60 sec.	Networking	Ethernet (10/100 Base-TX), DHCP compatible,
Digital zoom	Up to 16X (8 steps)		HTTP, Telnet or FTP server, FTP client
Interval shooting	10 sec 6 hr. intervals	Interface	USB1.1 host port (USB mouse, USB keyboard connection),
Exposure metering	Average metering, Peak hold metering		USB1.1/2.0 device port (Mass Storage Class support)
Exposure metering range	3 selectable sizes	Power supply	AC100-240V, 50/60Hz
Compensation	White balance, Gamma compensation (9 types),	Power consumption	138VA
	Shading compensation (Auto: 5-step, Custom setting: 2 types)	Weight	Camera head: approx. 230g, CCU: approx. 1300g,
Color effects	Color/monochrome, Color enhancement, Hue rotation,		AC adapter: approx. 350g
	Black level adjustment	Operating environment	0-40°C, 85%RH max. (without condensation)
Image rotation	Vertical and horizontal rotation	System composition	Camera head DS-5M, CCU DS-L1, Camera cable (3m),
LCD monitor	6.3-in. TFT color LCD XGA (1024x768, 60Hz)		AC adapter, power cord
External monitor output	Analog RGB: SXGA (1280x1024, 60Hz), XGA (1024x768, 60Hz)	Optional accessories	Exclusive remote control unit, 0.7x Relay lens (C-mount)

Dimensions (mm) Camera Control Unit DS-L1 Camera Head DS-5M 77 90.6 75.3





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TO ENSURE CORRECT USAGE, READ THE CORRESPONDING MANUALS CAREFULLY BEFORE USING YOUR EQUIPMENT.



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