

DIGITAL MICROSCOPE - DM-25

The Model

This is like the DM-15 model but it is provided with a 3,14Mpixels camera with an LCD screen that has a 2,5 light on the back.

The camera also have an extra output of the analogical signal video (S-video and composite video), that allows the camera to be directly connected to a television set. 16Mb of internal memory with an additional slot for flash memory card (until 3GB). Maximum resolution video: 640x480 pixels.



**WITH
LCD SCREEN**

DM-25

- built-in 2.5" LCD screen (rotating and inclinable)
- Zoom function
- Internar picture store function
- Video store function
- SD memory card slot
- 1Gb SD card included
- Video output
- USB output (to PC)

DIGITAL MICROSCOPE - DM-25



Technical Features

Head:	Digital, Binocular, 360° rotating, 30° inclined
Eyepiece:	WF10X/20mm
Nosepiece:	Quadruple, reversed
Objectives:	PLAN Achromatic 4x, 10x, 40x, 100x (oil immersion) IOS
Working stage:	Double layer with mechanical sliding stage, 160x142mm, mov. range 76x52mm
Focusing system:	Coaxial coarse and fine, with focusing stop mechanism
CONDENSER:	1.25 N.A. Abbe type, with centring system
Illumination:	White LED, non-rechargeable, with brightness control
Digital camera resolution:	2048x1536pixels, 3.14M
Output:	USB 2.0 port
Software:	Opmias (optika micro image analisis software)
Packing:	Carton box with inner foam

DM-25

CAMERA SPECIFICATIONS

	DM-5 / DM-10	DM-15	DM-20	DM-25
Resolution	800 × 600 pixels (480 kilo pixels)	1600 × 1200 pixels (2.0 mega pixels)	2048 × 1536 pixels (3.1 mega pixels)	2048 × 1536 pixels (3.1 mega pixels)
Sensor	1/4"CMOS	1/2"CMOS	1/2"CMOS	1/2"CMOS
Sensor Imaging Area	4.12 mm × 3.07 mm	6.72 mm × 5.04 mm	6.59 mm × 4.90 mm	6.59 mm × 4.90 mm
Data Output (Uncompressed Video)	8 bit	8,12 bit	8,12 bit	8,12 bit
Pixel Size	7.9 μm × 7.9 μm	4.2 μm × 4.2 μm	3.2 μm × 3.2 μm	3.2 μm × 3.2 μm
Resolution & Frame Rate	"800 × 600 25 frames/second"	"1600 × 1200 10 frames/second"	"2048 × 1536 6 frames/second"	"2048 × 1536 6 frames/second"
		"800 × 600 25 frames/second"	"1280 × 1024 15 frames/second"	"1280 × 1024 15 frames/second"
			"1024 × 768 20 frames/second"	"1024 × 768 20 frames/second"
Sensitivity	2.3 V/Lux-sec	1.2 V/Lux-sec	1.0 V/Lux-sec	1.0 V/Lux-sec
	(550 nm)	(550 nm)	(550 nm)	(550 nm)
Electronic Shutter	1/16 1/1600	1/16 1/1600	1/16 1/1600	1/16 1/1600
White Balance	Auto / Manual	Auto / Manual	Auto / Manual	Auto / Manual
S/N Ratio	≥52 dB	≥52 dB	≥52 dB	≥52 dB
Dynamic Range	≥60 dB	≥60 dB	≥60 dB	≥60 dB
Digital Port	USB1.1 or USB2.0	USB2.0	USB2.0	USB2.0
Imaging Software	OPMIAS (OPTIKA Micro Image Analysis Software)			
	available in English and Italian			
System Requirements	RAM: 256 MB (512 MB recommended)			
	Video card: Separate card (64 MB or higher)			
	Operating system: Windows 2000 (SP4) or Windows XP (SP2)			