

DIGITAL PHOTO VIDEO - OPTIKAM[®] PRO 3 / PRO3 LT

HIGH RESOLUTION DIGITAL VIDEO CAMERA

The Model

C-mount system for video and still-image capturing at HIGH resolution.

An optical adapter (included in PRO 3/PRO 5) can be used to connect it to the eyepiece tube of monocular and binocular microscopes.

LT version without any adapter, you need C-mount adapter for connect it. Ideal for trinocular microscopes.



3Mp



OPTIKAM[®] PRO 3

OPTIKAM[®] PRO 3 LT

For PC-USE



	OPTIKAM [®] PRO 3	OPTIKAM [®] PRO 3 LT
Resolution	2048 x 1536 pixels (3.2 Mpixel)	
Sensor	CMOS 1/2"	
Pixel Size	3.2 μm x 3.2 μm	
Imaging Area	6.55 mm x 4.92 mm	
Frame Rate at Full Resolution	6 frames/sec	
Frame Rate at Half Resolution	21 frames/sec	
Optical Format	1/2"	
Aspect Ratio	4:3	
S/N Ratio	43 dB max	
Dynamic Range	61 dB	
ADC	10 bit	
Data Output (Uncompressed Video)	3x8 bit	
Exposure Range	0.2 -231 msec	
Sensitivity	1.0 V/Lux-second	
System Requirements	Windows XP SP2 or later, USB 2.0 port	
Software	Optika Vision [®] software package, TWAIN interface	
Capture Features	Continous auto white balance, continous auto exposure, averaging, subsampling (decimation)	
Included with the camera	3 m USB cable, C-mount lens adaptor, adapter for stereomicroscope, 76x24mm micrometric calibration slide, C-mount cap, box	3 m USB cable, 76x24mm micrometric calibration slide, C-mount cap, box

OPTIKAM® PRO 5 / PRO 5 LT

The Model

C-mount system for video and still-image capturing at HIGH resolution. An optical adapter (included in PRO 3/ PRO 5) can be used to connect it to the eyepiece tube of monocular and binocular microscopes. LT version without any adapter, you need C-mount adapter for connect it. Ideal for trinocular microscopes.

HIGH RESOLUTION DIGITAL VIDEO CAMERA



5Mp



	OPTIKAM® PRO 5	OPTIKAM® PRO 5 LT
Resolution	2560 x 1920 (5.0 Mpixel)	
Sensor	CMOS 1/1.8"	
Pixel Size	2.77 μm x 2.77 μm	
Imaging Area	7.33 mm x 5.44 mm	
Frame Rate at Full Resolution	4 frames/sec	
Frame Rate at Half Resolution	15 frames/sec	
Optical Format	1/1.8"	
Aspect Ratio	4:3	
S/N Ratio	42 dB max	
Dynamic Range	61 dB	
ADC	10 bit	
Data Output (Uncompressed Video)	3x8 bit	
Exposure Range	0.125-249.7 msec	
Sensitivity	1.2 V/Lux-second	
System Requirements	Windows XP SP2 or later, USB 2.0 port	
Software	Optika Vision® software package, TWAIN interface	
Capture Features	Continous auto white balance, continous auto exposure, averaging, subsampling (decimation)	
Included with the camera	3 m USB cable, C-mount lens adaptor, adapter for stereomicroscope, 76x24mm micrometric calibration slide, C-mount cap, box	3 m USB cable, 76x24mm micrometric calibration slide, C-mount cap, box

DIGITAL PHOTO VIDEO - DIGI

NEW DIGITAL CAMERA 12MPIXELS*

The Model

Optika Microscopes is pleased to introduce a new DIGITAL camera with 12Mpixels, with USB connection for PC and

AV-Out for TV or monitors.

The advantage of this new DIGI 12 camera is also a video recorder device to record images processing from the microscopes, as well as using the camera for your personal use.

8.0 Megapixels with 4x Optical Zoom, Optical Image Stabilizer, large bright 2.5-inch LCD for superb performance.

New Easy Mode simplifies operation, and shooting modes from Manual to Automatic make picture-taking care-free.

DIGIC III Image Processor assures sharper images and better functionality; enhanced Canon Face Detection Technology sets focus, exposure, flash and white balance automatically for greater freedom.

Motion Detection Technology automatically reduces blur by calculating subject movement and selecting ideal exposure and ISO settings..



System support

- Microsoft ® Windows ® 98ME/2000/XP/Vista, Mac OS9.0 above
- Pentium III 800 MHz above
- 256MB System memory and free 1 GB System hard disk space
- Available USB port
- CD-ROM Drive

Package Accessories

- Box with color sleeve
- AV-Out cable, USB Cable
- Pouch, Strap, Earphone
- NP60 900mAH Li-ion rechargeable battery, Power adaptor
- Quick start guide
- CD ROM (w/driver, AP, & user's manual)
- Application software (AP): Arcsoft Media Impression

Certifications

FCC, CE

Dimension

120(H) x 57(W) x 30(D)mm

Weight

150gr

Specifications are subject to change without prior notice

* 12MP by interpolation

**TV/PC
USE**

DIGITAL PHOTO VIDEO - DIGI

Technical specification

Product Category	Digital Video Camera
Image Sensor	7.0 MP 1/2.5" CCD Sensor (max. 12MP by interpolation)
Lens	F3.0p-5.0 (f7.0mm)
Focus range Macro:	10xm; Normal: 150cm-infinite Auto focus, continuous AF
	Face detection AF
LCD Monitor	3" TFT LCD 300 degree rotation
Zoom	3X Optical Zoom + 5X Digital Zoom
Shutter Type	Mechanical and Electronic Normal: 2 sec – 1/1500sec. Night Scene: 8 sec – 1/1500sec
Storage Media	Build-in 32MB Memory; SD/MMC Card Slot Support up to 4GB
Operation Modes	Movie record, still picture, music player, voice recorder, card reader
Image resolution	High: 12MP (4000x3000); Standard: 7MP (3096x2328); Low: 1MP (1280x980)
Movie resolution	D1: 720x480, VGA: 640x480, QVGA: 320x240, 30fps
White Balance	Auto/Daylight/Cloudy/Fluorescent/Tungsten/Sunset/Custom
Exposure	Auto/Manual Exposure: +/- 2EV (0.5EV/Steps)
Self-Timer	10 / 2 second delay doubled with LED indicator
Flash	Auto / Auto & Red – Eye reduction / Fill-in / Slow Sync / Off
	ISO: Auto, 100, 200, 400, 800, 1000
File format	JPEG (DCF), EXIF 2.2, DROF 1.1 PictBridge1.0, AVI (MPEG-4, Xvid) with DOCM Audio, WAV
Image Play	Single Image / Thumbnails / Slideshow
Interface	Mini USB2.0 / TV Out / Earphone
TV Output	NTSC / PAL optional
Power Saving Mode	3 minutes
Battery type	NP60 900mAH Li-ion Rechargeable Battery

Photos taken vs Capacity

	12 MP (5.5MB)	7MP (1.6MB)	1MP (200KB)
1 GB SD	430	790	1214
2 GB SD	870	1500	3128
4 GB SD	1720	2990	7056

Video recording vs Capacity- MPEG4

	D1 (720x480)	VGA(640x480)	QVGA (320x240)
1 GB SD	43 min	48 min	143 min
2 GB SD	86 min	97 min	278 min
4 GB SD	173 min	195 min	575 min

* 12MP by interpolation