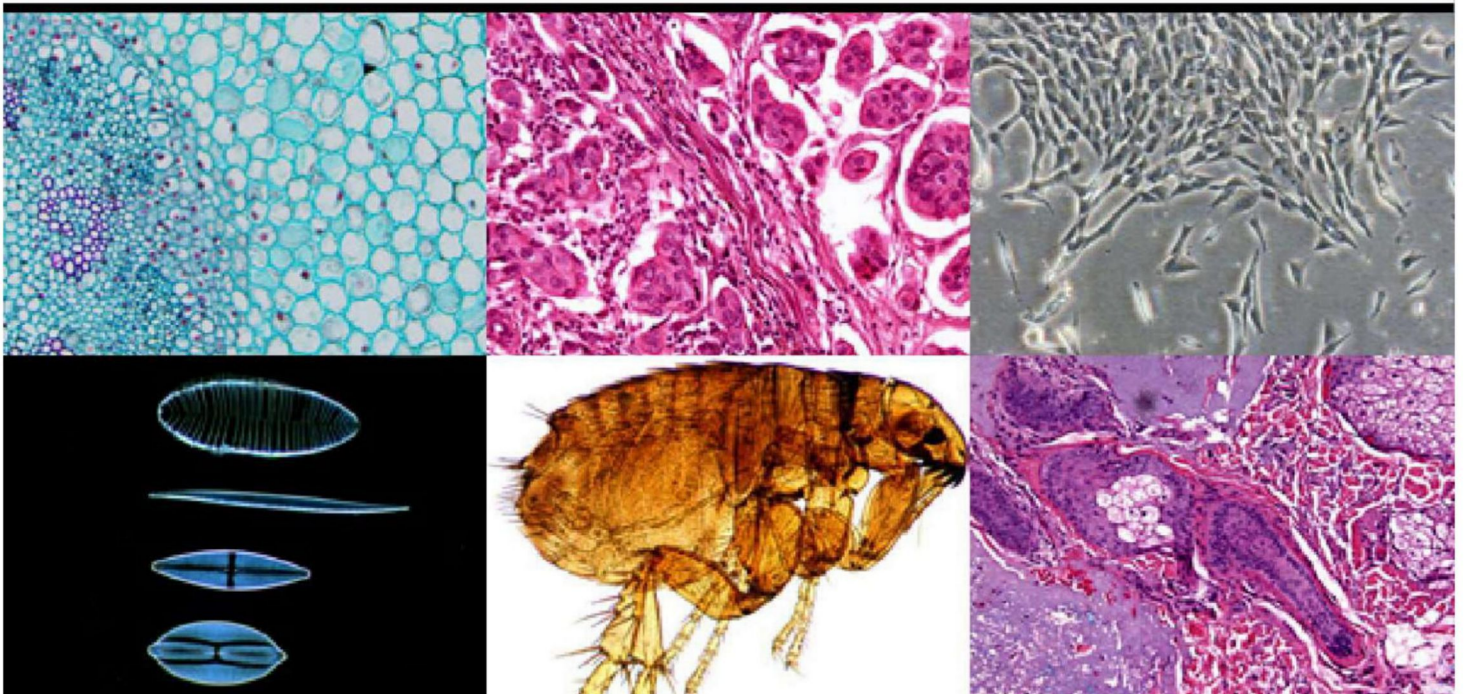


Magnüs

Magcam
DC SERIES



Next Generation
Digital Microscopy Cameras



Magcam

DC SERIES

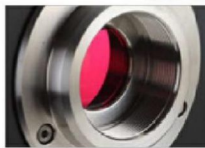
Digital Cameras with Next Generation CMOS Sensor

The plug and play MagCam DC Series Cameras produce high quality images making it a great choice for education, pathology and research applications. Available in 3.5, 10 & 14 Megapixels

*All Magnus DC Series cameras supplied with a copy of MagVision, an advanced image processing and documentation software.



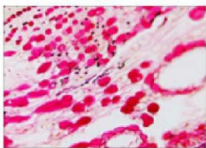
Aluminum alloy housing



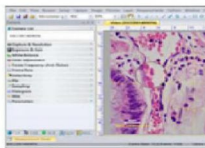
Standard C-Mount



USB 2.0 Interface



Ideal for routine brightfield applications



Advanced image processing software MagVision



Compatible with Windows/Linux/Mac

Magvision

Powerful, user-friendly MagVision software comes with tools for:

- Image Enhancement (hue, saturation, contrast, etc)
- 2D Measurement including calibration
- Auto-exposure and single click white balance
- Image Stitching
- extended depth of focus
- Capture images, videos and time lapse images
- Compatible with Windows, Mac OS and Linux
- C/C++, C#, DirectShow, Twain Control API

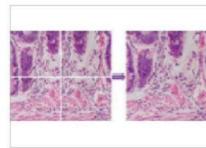
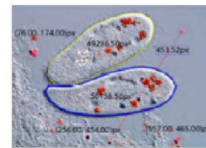


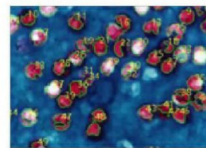
Image Stitching



Measurement



Extended Depth of Field (EDOF)



Segmentation and Count

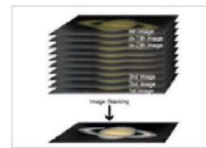
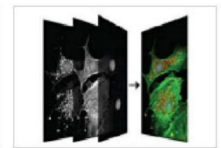


Image stacking



Color composite

Specifications

Camera MODEL	Magcam DC-3	Magcam DC-5	Magcam DC-10	Magcam DC-14
MODEL NO	MDC 03	MDC 05	MDC 10	MDC 14
Camera Casing	Metal Alloy			
Camera Dimension	60X60 X40 MM			
Image Sensor	CMOS 3.1MP	CMOS 5.1MP	CMOS 10MP	CMOS 14MP
Sensor size	1/2"	1/2.5"	1/2.3"	1/2.3"
Pixel Size	3.2 X3.2 micron	2.2 X2.2 micron	1.67 X1.67 micron	1.4 x1.4 microns
Resolution (Max)	2048X1536 Pixels	2592X1944 Pixels	3584X2748 Pixels	4096X3288 Pixels
Frame Rate	8 @ 2048X1536	5@2592X1944	1.9@3584X2748	1.8@4096X3288
	22 @1024x768	18@1280X960	8@1792X1374	10@2048X1644
	43 @ 680X510	60@640X480	27@896x684	27@1024X822
Dynamic Range	61 dB	66.5dB	65.2dB	65.3dB
Signal/Noise Ratio	43dB	40.5dB	34.0dB	35.5dB
Bining	2x2, 3x3	2X2, 4X4	2X2 ,4X4	2X2 ,4X4
Exposure Time	0.24ms to 2000ms	0.29ms to 2000ms	0.4ms to 2000ms	0.4ms to 2000ms
Spectral Range	380 -650nm with IR filter			
Software				
Operating System	Win XP/Vista/7/8/10 (32,64bit)			
Software	MagVision			
Image Format	JPG/TIF/BMP/PNG			
Electronic Interface				
PC/Laptop	USB-2 for Win & Mac			
Power Supply	5V DC Via USB-2			
Operating temp	*-10 deg.C to + 50deg.C			
Operating Humidity	30 to 80% RH			
Computer				
CPU	Core-2,i3 ,i5,i7 ->2GB RAM			
Other requirments	C Mount/Eye piece Mount+Computer/Laptop+Software MagVision			



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