

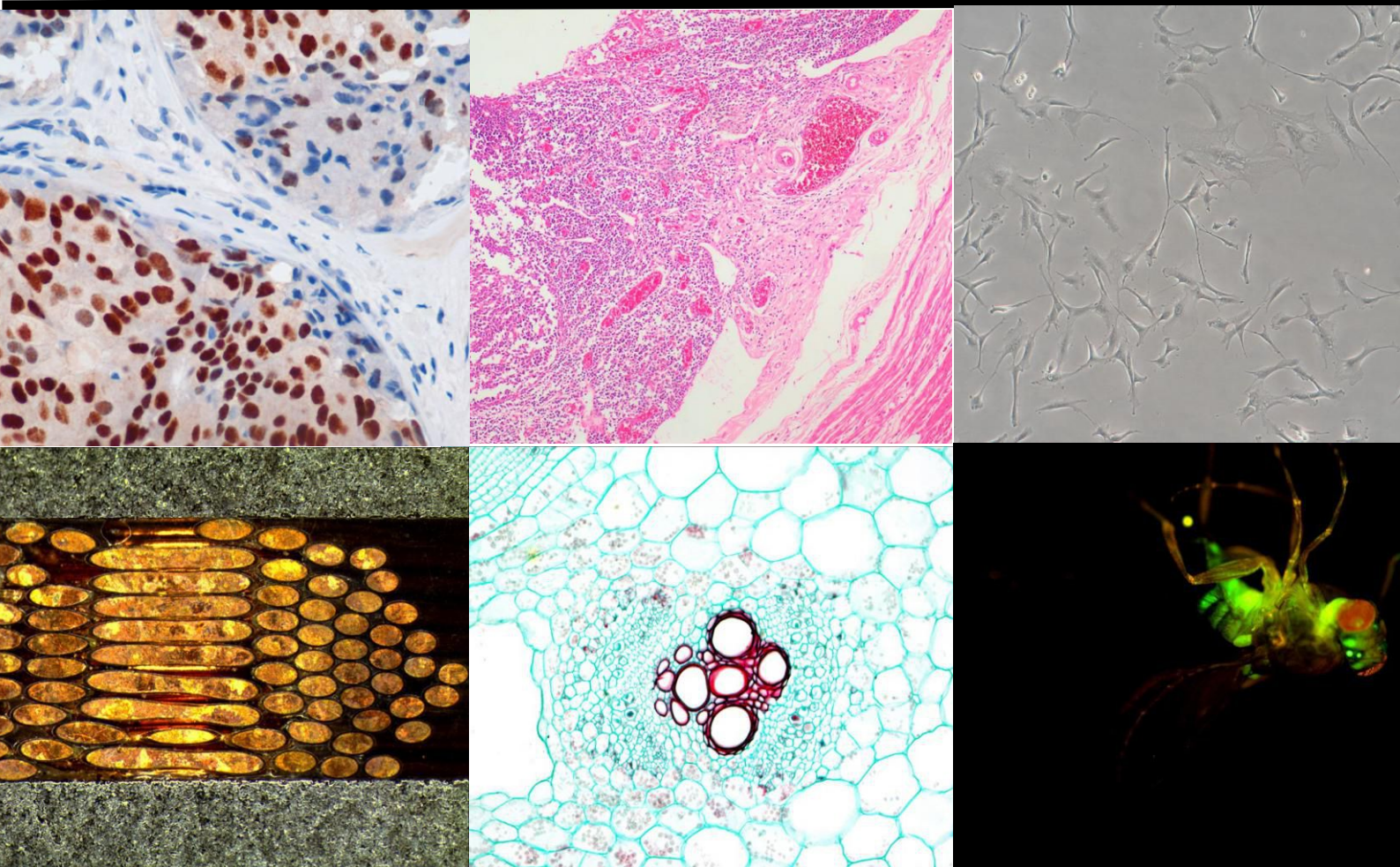
Mshot Scientific Cameras

Largest field of view, Rapid, Low noise

Scientific Camera (sCMOS) unlike any conventional generation CCD Sensor and CMOS sensor, it takes breakthrough technology based on new-generation CIS (CMOS Image Sensor) design. The multi-megapixel sensors offer a large field of view and high resolution, without compromising read noise, dynamic range or frame rate.



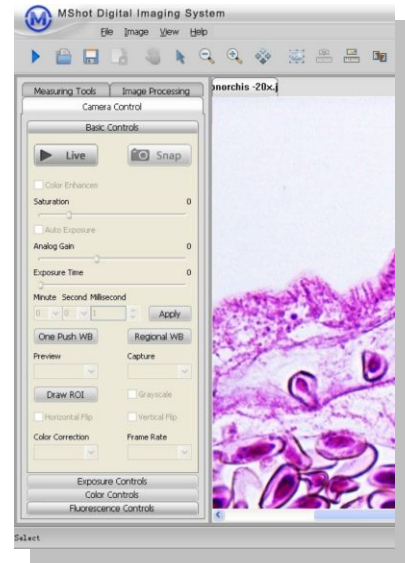
Smarter Imaging, Less Cost



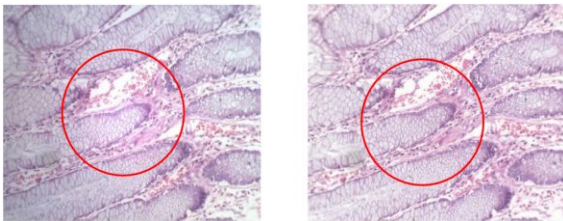
Mshot Digital Imaging System

 *Powerful, User-friendly, Smart*

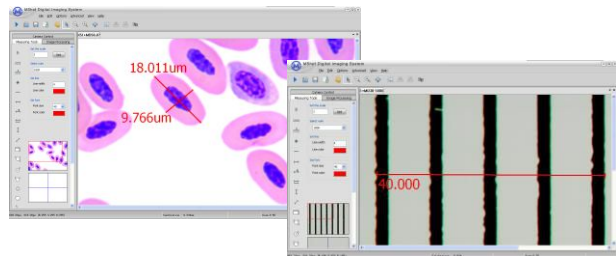
- ✓ Auto Exposure (Exposure time, analog gain)
- ✓ One push white balance / Area
- ✓ Auto color correction, high speed
- ✓ Image Enhancement (Saturation, contrast, brightness, etc)
- ✓ Measurement including calibration
- ✓ Image stitching
- ✓ Extend depth of focus
- ✓ Fluorescence fusion
- ✓ Image capture, video and time lapse images
- ✓ Full fit Windows OS
- ✓ C/C++, C#, Directshow, Twain, WDM Controllable



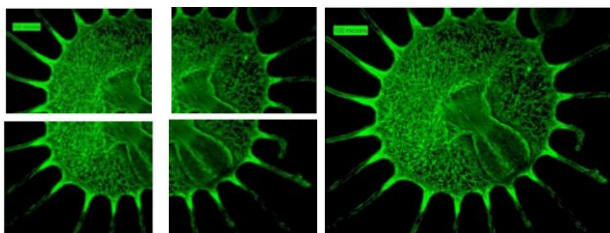
White balance



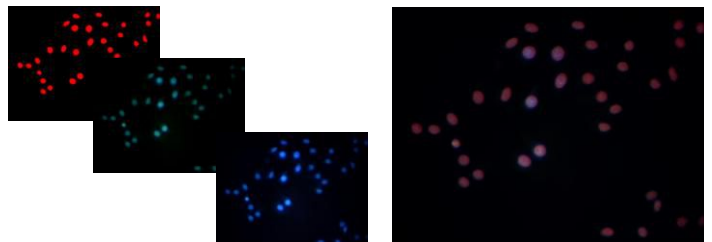
Measurement & Calibration



Imaging stitching



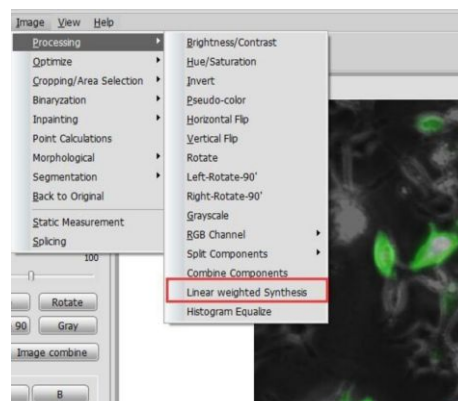
Fluorescence fusion



Extend depth of focus



Other image fusion



MSHOT MS Series Camera

MS23 - Weak fluorescence



MS60 - Pathological, Metallurgical, Polarizing, Dark field



MSX2 - Pathological, Phase Contrast, Epi fluorescence



Specifications

Model No	MS23	MS60	MSX2
Image sensor	Sony sCMOS, 2.3MP	Special, 6.3MP	Special, 12.0MP
Sensor Size	1/1.2"	1/1.8"	1"
Resolution	1920 x 1200	3072 x 2048	4088 x 3072
Pixel size	5.86μm×5.86μm	2.4μm x 2.4μm	3.1μm x 3.1μm
Frame rate	40fps @1920x1200	30fps @3072x2048	15fps @4088x3072
Spectral range	380nm~1100nm	380nm ~ 650nm	380nm~1000m
A/D Convent	12bit	12bit	12bit
Effective gain	-	1~8X	32X
Sensitivity	2000mV-1/30s Accumulation	-	-
Exposure time	5μs~40s	100μs~16s	100μs~1s
Cache	32MB	64MB	64MB
Software			
Operating system	Windows XP/ Windows 7/8/10 (32 & 64 bit)		
Software	Mshot Digital Imaging Software V1.0		
Image format	TIF/BMP/JPG		
Development	Twain/Directshow/WDM		
Computer			
PC/Laptop	USB-2/USB-3 for Windows		
Use requirement	C-mount adapter/Eyepiece mount + Computer/Laptop + Software Mshot + Dongle Mshot		