

SPOT

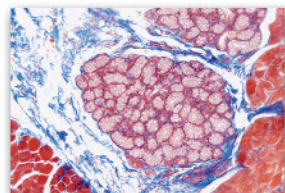
4K UltraHD

The New Standard In 4K Presentations...

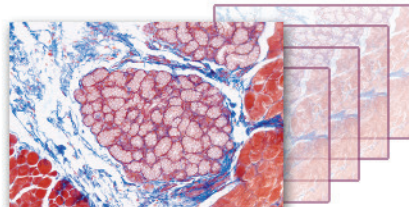
SPOT's 4K UltraHD system takes you beyond fixed format 4K video presentations. It combines benchmark image quality, easy presentation tools and lets you present both live and captured images.

Outstanding Image Quality...

4K UHD 3840 x 2160

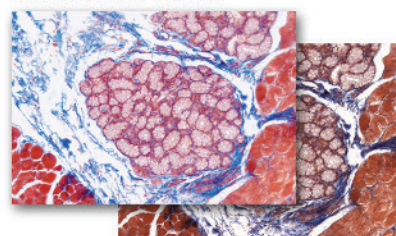


30+ Frames per Second



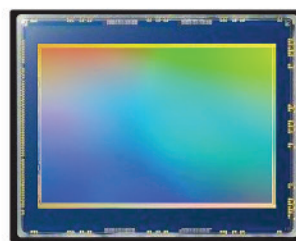
Live Color Correction

With ICC Color Profiles



Without ICC Color Profiles

Benchmark Sensor



SONY Pregius™

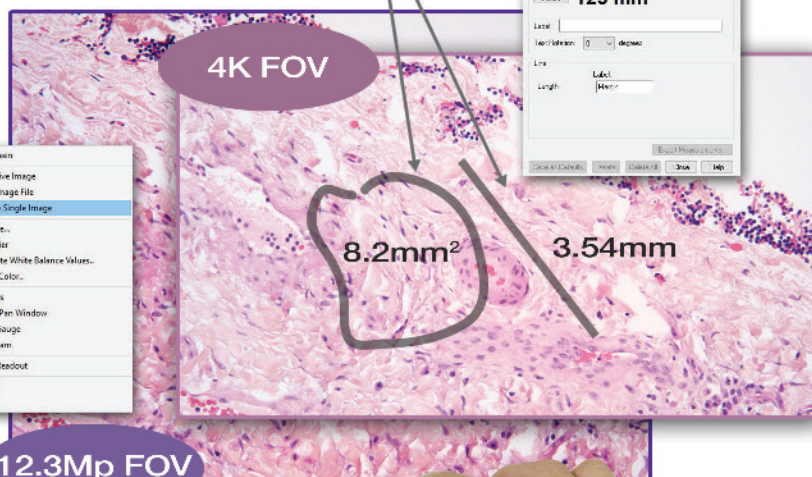
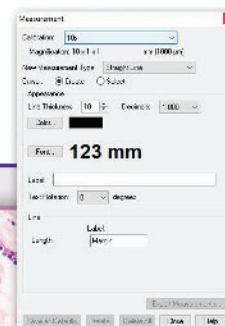
Easy Presentation Tools Show More and Save Time...

Live and Captured Images

Move fluidly between Live sample presentation and captured image presentation to show related gross imaging, reference support case images and more. Just right click and select.

Put a Value On It!

Answer attendees questions on distance, area and size. A few clicks sets the calibration and provides the measurement tools.



12.3Mp FOV

See the SPOT 4K UltraHD in action...

Contact Us:

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+1-586-731-6000

Dual Mode Camera

SPOT 4K UHD can quickly convert to a 12.3Mp format and provide you with that little extra FOV you need on some specimens.

Use Your Resolution!!

What good is resolution if you can't use it? Simply roll your mouse wheel to zoom in and pan on your image.

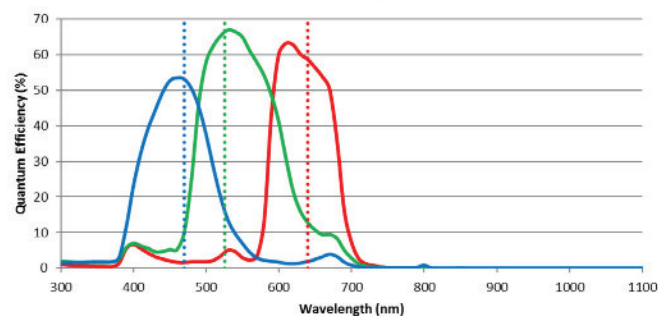


SPOT Insight 12.3MP / 4K UHD Camera System

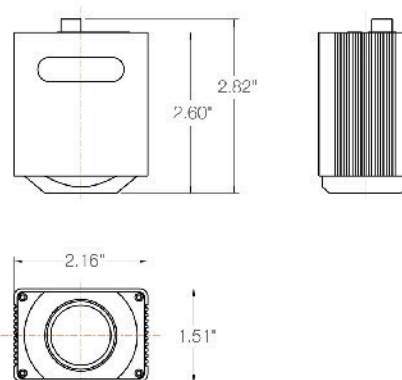
Sensor Specs	
Model	IN42C12IR
Sensor Type	Color Mosaic
Captured Image Resolution	12.3 Mp
Live 4K UHD (8 Mp) Frame Rate w/ NVIDIA GPU	30+ fps
Live 4K UHD (8 Mp) Frame Rate w/o NVIDIA GPU	12+ fps
Live 12.3 Mp Frame Rate w/ NVIDIA GPU	29+ fps
Live 12.3 Mp Frame Rate w/o NVIDIA GPU	10+ fps
Live 3.1 Mp Frame Rate w/o NVIDIA GPU	35+ fps
Sensor	Sony Pregius™ CMOS, Back Illuminated
Sensor P/N	Sony IMX253
H x V, Pixels	4096 x 3000
H x V, mm	14.13mm x 10.35mm
Pixel Size	3.45 µm
Aspect Ratio	4:3
Sensor Diagonal	17.5mm
Optical Format	1.1"
Standard Adapter Magnification	1.0x (17.5mm)
Widefield Adapter Magnification	N/A
Shutter Type	Global Shutter
Peak QE, Color	66% at 525nm
Fixed Pattern Noise	None
Camera Specs	
Lens Mount	C-mount
Computer Interface	USB 3.0
Full Well	10,300 e
Read Noise	2.4 e
Dynamic Range	73 dB
A-D Bit Depth	12-bit
Analog Gain	1, 2, 4, 8, 16, 32, 64, 128, 251
Exposure Time Range	10µs to 3.9 sec
ROI	Yes
Exposure While Downloading	Yes
Trigger I/O (OEM models only)	Trigger In* Synch1 Out* I/O/TX, I/O/RX *(Optically isolated, requires external power supply)

Trigger I/O Connector	Hirose HR25-7TR-8A
Power Required	5V supplied via USB3 Interface
ON-OFF Switch	No
Tripod Mount	Optional
USB Connector	USB 3.0 Micro-B
Regulatory	CE, FCC Class A, RoHS
SPOT Software Application	Windows Mac
SDK Support	Windows Mac Linux

Color Mosaic + IR Filter QE



Dimensions



The suggested applications for this camera include:

- | | |
|---------------------------|--------------------------------|
| Brightfield | Histology, Pathology, Cytology |
| Darkfield | Semiconductor Inspection |
| Bright Light Fluorescence | Metrology |
| Live Cell Imaging | Whole Slide Imaging |



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