



3DCxM Series Microscope Cameras with Advanced Software

	Microscope Digital Cameras			
Camera Model	3DCxM2.3	3DCxM8.3	3DCxM12	3DCxM20
Sony Camera Back-Illuminated Exmor Sensor	IMX185	IMX678	IMX226	IMX183
Sensor Size	1/1.9"	1/1.8"	1/1.7"	1"
Pixels	1920 x 1200	3840 x 2160	4000 x 3000	5440 x 3648
Pixel Size	3.75 x 3.75µm	2.0 x 2.0µm	1.85 x 1.85µm	2.4 x 2.4µm
Megapixels	2.3mp	8.3mp	12mp	20mp
Sensitivity	1120mv	3541mv	280mv	462mv
Exposure	0.244ms - 2s	0.02ms - 15s	0.1ms - 15s	0.1ms - 15s
Binning	1x1, 2x2	1x1, 2x2	1x1, 2x2	1x1, 2x2, 3x3
Computer Connection	USB3	USB3	USB3	USB3
Frames per Second, Full Resolution	38 fps @ 1920 x 1200	45 fps @ 3840 x 2160	25 fps @ 4000 x 3000	15 fps @ 5440 x 3648
Frames per Second, Reduced Resolution	66 fps @ 960 x 600	70 fps @ 1920 x 1080	50 fps @ 2048 x 1080	60 fps @ 1824 x 1216
Software Features				
Image Management including: exposure, gain, gamma, contrast, brightness, sharpness, white balance, gray scale, RGB	X	X	X	X
Still Image Capture	X	X	X	X
Video Capture	X	X	X	X
Measurement: line, angle, area, ellipse, circle, arc, polygon	X	X	X	X
Extended Depth of Focus	X	X	X	X
Image Segment and Count	X	X	X	X
Image Stitching	X	X	X	X
TWAIN and Direct Show	X	X	X	X
Operating Systems: Windows 7, 8, 10, Linux, MAC OSX*	X	X	X	X

*MAC software provides basic image capture only, no measurement, EDF or stitching.