



Pixera Pro DM Series Monochrome Digital Microscope Camera

pixera

- Pro300DM** 
- Pro500DM** 
- Pro1000DM** 
- Pro1400DM** 



Pixera Pro DM Series are highly sensitive monochrome digital microscope cameras equipped with enhanced sensitivity CMOS image sensors. Four models are available with 3M, 5M, 10M, and 14M pixels. All cameras include integrated image analysis software. Pro DM series microscope cameras are an excellent choice for fluorescence imaging of biomedical and scientific research.

Features:

- Excellent sensitivity from newly developed enhanced sensitivity CMOS technology .
- High speed USB interface (USB 2.0 or USB 3.0)
- Super low-power consumption for low-noise imaging. No external power supply required.
- Integrated imaging software with camera control, annotations, measurement tools, image stitching, multi-focus, time lapse and FL merge
- Compatible with Windows XP(32bit), Windows 7 (32/64-bit) and Windows 8 (32/64-bit) operation systems
- TWAIN and DirectShow driver compatible
- Multi-camera synchronous function supports up to 4 cameras on a single PC

Specifications:

Camera Model	Pro300DM	Pro500DM	Pro1000DM	Pro1400DM
Image Sensor	1/2" Enhanced Sensitivity Monochrome CMOS	1/2.5" Enhanced Sensitivity Monochrome CMOS	1/2.3" Enhanced Sensitivity Monochrome CMOS	1/2.3" Enhanced Sensitivity Monochrome CMOS
Number of Pixels	2048Hx1536V (3.0MP)	2592Hx1944V (5.0MP)	3664Hx2748V (10MP)	4384Hx3288V (14MP)
Pixel Size	3.2µm×3.2µm	2.2µm×2.2µm	1.67µm×1.67µm	1.4µm×1.4µm
Resolution & Frame Rate	11fps (2048x1536) 16fps (1920x1080) 32fps (1024x768) Any size ROI	9fps (2592x1944) 13fps (2048x1536) 20fps (1920x1080) Any size ROI	4fps (3664x2748) 9fps (2592x1944) 18fps (1920x1080) Any size ROI	12fps (4384x3288) 32fps (2592x1944, ROI) 28fps (2048x1536, BIN) 38fps (1920x1080, BIN) 71fps (1920x1080, ROI) 102fps (1024x768) 64fps (800x600, SUM)
Exposure Time	54µs~3000ms	58µs~3000ms	58µs~3000ms	25µs~1000ms
Dynamic Range	61dB	67.7dB	65.2dB	65.3dB
Optical Mount	C-Mount			
Shutter Type	Electronic Rolling Shutter			
Exposure Control	Auto / Manual / Regional Exposure			
White Balance	One Touch White Balance / Manual / Regional White Balance / Auto White Balance			
Spectral Response	380nm ~ 1000nm			
Image Format	RAW, BMP, JPG, PNG			
Data Interface	USB 2.0 480Mbit/s			USB 3.0 5Gbit/s
Status LED	Normally on when power on; blinking when working.			
Power Consumption	0.64W	0.80W	0.95W	2.0W
Working Temp.	0~50°C			
Storage Temp.	-20~60°C			
Dimensions	88mm x 80mm x 38mm, 3-7/16" x 3-1/8" x 1-1/2"			100mm x 90mm x 49mm 3-31/32"x3-17/32"x1-29/32"
Weight	320g (0.7lb)			540g (1.2lb)

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