

PAXcam™ Camera Specifications

- C-mount
- Scientific Grade 1 Imagers
- Direct Show compatible
- TWAIN compatible
- Use with all microscope types and brands
- Progressive Scan
- Win 7, Win8 and Win10 compatible
- Color or Monochrome

PAXcam Model	PAXcam1+	PAXcam2	PAXcam2+	PAXcam3	PAXcam5	PAXcam5+	PAXcamARC+
Connection	USB2	USB2	USB2	USB2	USB2	USB2	USB2
Pixel Size	4.65µm square	4.2µm square	4.4µm square	3.2µm square	2.2µm square	3.45µm square	4.4µm square
Sensor Format	1/2" CCD	1/2" CMOS	1/1.8" CCD	1/2" CMOS	1/2.5" CMOS	2/3" CCD	1/1.8" CCD
Resolution	1392 x 1040 1.4 Megapixel Super Low-light CCD	1600 x 1200 2.0 Megapixel	1616 x 1216 2.0 Megapixel Low-light CCD	2048 x 1536 3.1 Megapixel	2592 x 1944 5.0 Megapixel	2448 x 2048 5.0 Megapixel Low-light CCD	1616 x 1216 2.0 Megapixel Low-light CCD 3232 x 2432 8 Megapixel * 4848 x 3648 16 Megapixel* 6464 x 4864 32 Megapixel* (*Note: Using Patented PixelShift™ technology)
Digital Output	8, 14 bits /channel	8, 10 bits /channel	8, 12 bits /channel	8, 10 bits /channel	8, 10 bits /channel	8, 14 bits /channel	8, 12 bits /channel
Max Exposure	20 sec	800 ms	20 sec	1300 ms	1150 ms	20 sec	2500 ms
Frame Rates	30fps @ 1392 x 1040 52fps @ 640 x 480	10fps @ 1600 x 1200 40fps @ 800 x 600	12fps @ 1616 x 1216 40fps @ 800x 600	12fps @ 2048 x 1536 39fps @ 1024 x 768	5fps @ 2592 x 1944 60fps @ 640 x 480	8.5fps @ 2448 x 2048 23fps @ 640 x 480	12fps @ 1616 x 1216 21fps @ 800 x 600 25fps @ 640 x 480
Lux Value	2.5 DN/(nJ/cm ²)	1.0 Lux @F2.0	<1.0 Lux-Low Light	1.6 Lux @F1.0	1.6 Lux @F1.0	3.5 DN/(nJ/cm ²)	<1.0 Lux-Low Light

PAXcam Model	PAXcam2u3	PAXcam4u3
Connection	USB3	USB3
Pixel Size	5.5 µm square	5.5 µm square
Sensor Format	2/3" CMOSIS	1" CMOSIS
Resolution	Small Form-Factor Camera 42mm (w) x 42mm (d) x 55mm (h) 2048 x 1088 2.2 Megapixel	Small Form-Factor Camera 42mm (w) x 42mm (d) x 55mm (h) 2048 x 2048 4.2 Megapixel
Digital Output	8, 12 bits /channel	8, 12 bits /channel
Max Exposure	4000 ms	4000 ms
Frame Rates	170 fps @ 2048 x 1088	90 fps @ 2048 x 2048
Lux Value	13.7 DN/(nJ/cm ²)	13.7 DN/(nJ/cm ²)



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