

PXi range comparison chart

PXi	PXi4/ Touch	PXi4 EZ/ Touch	PXi6/ Touch	PXi6 Access /Touch	PXi9/ Touch	PXi9 Access /Touch
						
Application						
Infrared fluorescence	✓	✓	✓	✓	✓	✓
Multi-plexing	✓	✓	✓	✓	✓	✓
Protein gels	✓	✓	✓	✓	✓	✓
DNA gels	✓	✓	✓	✓	✓	✓
Films	✓	✓	✓	✓	✓	✓
Colony counting	✓	✓	✓	✓	✓	✓
Chemiluminescent blots	✓	✓	✓	✓	✓	✓
Bioluminescence	✓	✓	✓	✓	✓	✓
Stain free	✓	✓	✓	✓	✓	✓
Colorimetric blot detection	✓	✓	✓	✓	✓	✓
GFP plant imaging	✓	✓	✓	✓	✓	✓
Performance						
Resolution (megapixels)	4	4	6	6	9	9
Dynamic range (greyscale)	65,536	65,536	65,536	65,536	65,536	65,536
Quantum efficiency @425nm	73%	73%	73%	73%	73%	73%
Sensitivity	●●●●○	●●●●○	●●●●●	●●●●●	●●●●●	●●●●●
Imaging speed	●●●●○	●●●●○	●●●●●	●●●●●	●●●●●	●●●●●
System specifications						
Detector (degrees celsius)	-57 cooled CCD	-57 cooled CCD	-57 cooled CCD	-57 cooled CCD	-57 cooled CCD	-57 cooled CCD
Standard optics	f0.95	f1.2	f1.4	f0.9	f1.4	f0.9
Max viewing area (cm)	15 x 11	18 x 13.5	13 x 10	21 x 17	13 x 10	21 x 17
Built-in processor/ touch screen	PXi4 Touch only	PXi4 EZ Touch only	PXi6 Touch only	PXi6 Access Touch only	PXi9 Touch only	PXi9 Access Touch only
Illumination						
LED epi excitation (red, green, blue and IR)	Optional	Optional	Optional	Optional	Optional	Optional
Epi UV excitation	Optional	Optional	Optional	Optional	Optional	Optional
365/302nm UV transilluminator	Optional	Optional	Optional	Optional	Optional	Optional
Blue light transilluminator	Optional	Optional	Optional	Optional	Optional	Optional
Epi white lights	✓	✓	✓	✓	✓	✓
White light pad for visible stains	Optional	Optional	Optional	Optional	Optional	Optional
Filter positions	7 - motor driven	7 - motor driven	7 - motor driven	7 - motor driven	7 - motor driven	7 - motor driven
UV filter as standard	✓	✓	✓	✓	✓	✓
System software	GeneSys	GeneSys	GeneSys	GeneSys	GeneSys	GeneSys
Analysis software	GeneTools	GeneTools	GeneTools	GeneTools	GeneTools	GeneTools
Data format	16 bit	16 bit	16 bit	16 bit	16 bit	16 bit
Dimensions (w x h x d cms)	36 x 60 x 55	36 x 60 x 55	36 x 60 x 55	36 x 60 x 55	36 x 60 x 55	36 x 60 x 55
Weight (kg)	31/37	31/37	31/37	31/37	31/37	31/37
Upgradeable (camera)	✓	✓	✓	✓	✓	✓



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