

# Kodak Gel Logic Digital Imaging System Comparison



Specification	Gel Logic 440	Gel Logic 200	Gel Logic 100
<b>Camera</b>			
CCD	752 x 582 pixels	1280 x 960 pixels	1280 x 960 pixels
Cooling	-40°C from ambient	None	None
Lens	6x zoom, (12.5 - 75 mm)	6x zoom, (8 - 48 mm)	6x zoom, (8 - 48 mm)
<b>Illumination</b>			
Fluorescence	UV Transillumination, 306 nm (standard), UV Epi-illumination, 254nm, 306nm or 365 nm	UV Transillumination, 306 nm (standard), UV Epi-illumination, 254nm, 306nm, 365 nm	UV Transillumination (optional)
Ambient	White Light Epi-illumination (standard) Converter screen for UV to white light	White Light Epi-illumination (standard) Converter screen for UV to white light	White Light Epi-illumination (optional) Converter screen for UV to white light
<b>Chamber</b>			
Imaging area, maximum	24 x 32 cm	25 x 33 cm	20 x 27.5 cm
imaging area, minimum	4 x 5.3 cm	4.5 x 6.0 cm	3.5 x 4.7 cm
Design	Integrated Illumination Imaging Cabinet	Integrated Illumination Imaging Cabinet	Modular Imaging Cabinet
<b>Filter Type</b>		Optical Band Pass	Optical Band Pass
Included w/system	590 nm WB50 (ethidium bromide, etc.) 535 nm WB50 (SYBR Green, etc.)	590nm WB 50 (ethidium bromide)	590nm WB 50 (ethidium bromide)
Standard accessory	440 nm WB50 570 nm WB50	535nm WB50 (SYBR Green) 440 nm WB50	535nm WB50 (SYBR Green) 440 nm WB50
<b>Computer Interface</b>	PCI card, WINDOWS 2000, XP	PC and Macintosh compatible with IEEE 1394 (FIREWIRE)	PC and Macintosh compatible with IEEE 1394 (FIREWIRE)
<b>Performance</b>			
Resolution	69 micron/pixel	46 µm/pixel (full zoom)	37 µm/pixel (full zoom)
Dynamic Range	> 3.8 orders of magnitude	>3.4 orders of magnitude	>3.4 orders of magnitude
Data Acquisition	12-bit single capture, 16-bit file accumulations	14-bit file accumulations	14-bit file accumulations
<b>Detection Modes</b>	Luminescence	Fluorescence	Fluorescence
	Fluorescence	Absorbance	Absorbance
	Absorbance		
<b>Exposure Modes</b>			
Standard	0.075 seconds - 180 minutes per exposure 32 accumulations max.	0.001 - 16 sec per exposure, 32 accumulations max.	0.001 - 16 sec per exposure, 32 accumulations max.
Time lapse	N/A	0.01 - 16 sec per exposure, minimum interval = 5 sec	0.01 - 16 sec per exposure, minimum interval = 5 sec
<b>Dimensions</b>			
Overall dimensions (in)	16.4 x 21.5 x 35 in. (l x w x h)	16.375 x 21.5 x 35 in. (l x w x h)	9.75 x 16.75 x 26 in. (l x w x h)
Overall dimensions (cm)	42 x 55 x 89 cm (l x w x h)	42 x 55 x 89 cm (l x w x h)	25 x 42.5 x 66 cm (l x w x h)
Weight	70 lbs	65 lbs	30 lbs
Electrical configuration	100 - 240 VAC/50 - 60 Hz	100 - 240 VAC / 50-60 Hz	100 - 240 VAC / 50-60 Hz
Certifications	UL, CE, FCC Class B	UL, CE, VCCI, FCC Class B	UL, CE, VCCI, FCC Class B