

DeltaVision® Imaging Systems

Technical Specifications



DeltaVision Core

personalDV



product comparison chart

	DeltaVision Core	personalDV
base system		
microscope base	Olympus IX71	
illumination sources	250 W Xenon LED transillumination	
stage	NanoMotion III Control 25mm (X) x 50mm (Y) x 1mm (Z) patent pending flexure design stage	NanoMotion III Control 25mm (X) x 25mm (Y) x 1mm (Z) patent pending flexure design stage
filter sets	DV quad filter set DAPI FITC TRITC & Cy3 Cy5 5 element neutral density filter set	
filter wheel specs	10-position ND filter wheel 10-position EX filter wheel 6-position EM filter wheel	
objectives	qualified 60x oil 1.42 NA	
camera	CoolSnap HQ2 (20M/10MHz)	CoolSnap ES2 (20MHz)
computer hardware specs	dual processor/dual core CPU 4GB RAM 1TB RAID Storage DVD-R 24" LCD monitor	dual processor 2GB RAM 400GB RAID Storage DVD-R 19" LCD monitor
OS	Cent OS (Linux)	
image processing and analysis	softWoRx 3.7.0 (Linux)	
data management	DMS 1.1 (Win, MAC, Linux) softWoRx Suite 1.3	softWoRx Explorer (Win, MAC, Linux)
footprint	3 ft x 6 ft (90 cm x 180 cm) (includes airless vibration isolation table and electronics rack)	3 ft x 5 ft (90 cm x 150 cm) (includes vibration isolation platform)
options/upgrades		
filters	CFP/YFP AND EGFP/mCherry	
objectives	API certified 40x, 60x, 100x oil API certified 40x, 60x water	
QLM	488 nm Fast FRAP (GFP, YFP, Alexa488), FLIP, Dronpa (base) 405 nm PA-GFP, Laser FRET (CFP), Dronpa 514 nm Laser Acceptor Depletion FRET (YFP) 561 nm Fast FRAP, FLIP (mCherry, mApple)	n/a
TIRF	available	n/a
multiplex	EGFP/mCherry Polychroic and Dual Band EM CFP/YFP Polychroic and Dual Band EM	
environmental control	integrated opaque chamber with CO ₂ , humidity and temperature controls	
data management	n/a	softWoRx Suite DMS 1.1 (powered by Glencoe)
stage	n/a	25mm (X) x 50mm (Y) x 1mm (Z) patent pending flexure design stage
table	n/a	airless vibration isolation table
camera	Cascade II EMCCD	CoolSnap HQ2
monitor	30" LCD monitor	24" LCD monitor