Technical specifications

Component	Model	Details
Common parts		
Software	DynamicStudio EduPIV software	Base package 2D PIV Complete Image Processing Library POD analysis MATLAB, Octave, CFD Link, and much more
Camera(s)	FlowSense USB 2M-165	160 frames per second 1920 x 1200 pixels USB 3.0 Interface
LED	EduPIV LED	120 W illumination 110/220V input
Light Sheet	Fiber Light	Fiber-optic line light guide
Optics		Adjustable Focus Rod Lens 35° divergence angle 7.6 cm sheet width at aperture 4mm minimum sheet thickness
Pump		0.2 – 0.5 l/s Possibility to set sine and square functions 12 VDC
Nozzle		Jet diameter at exit: 5 cm Flow range: 2 - 5 cm/s
Flow Loop	 Lens	80 x 35 x 40 cm 112 liters
EduPIV	 Rig Lens	35mm Low-Distortion f/2.1 – f/16 aperture 35mm focal length C-mount Lockable focus and aperture Height adjustable camera post
EduStereoPIV	 Software Rig Scheimpflug	f/2 – f/22 aperture 35mm focal length Nikon F-mount Stereo PIV Add-on Robust rig for 2 cameras 2x Scheimpflug mounts

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