



**Auto Focus  
Vision Viewer™  
7880OR**

**NEW 3.2 Megapixel**

**EduCam  
optimized**



Detailed Specifications (July 2013)

Camera	<b>Image Sensor</b>	KAV	<b>CMOS 3.2 Megapixel</b>	
	<b>Pixel Count</b>	ACT	<b>2048(H) X 1536(V)</b>	
	<b>Frame Rate</b>	Yes	Variable with selected screen size	
			Default 13 fps at max resolution of 2048 X 1536 (3.2)	
			VGA 30 fps at resolution of 640 X 480	
	<b>Field of View</b>		18.5" max 17" X 14" / 43cm X 36cm	
	<b>OSD</b>	Yes	Controlled by software buttons	
	<b>Output Resolution</b>	Yes	<b>HD 1080P</b>	
	<b>Output</b>	Yes	VGA, RGB (DVI, HDMI depending on your computer's configuration)	
	<b>RS232</b>	Yes	via Software interface of computer	
	<b>USB Connection</b>	Yes	USB 2.0 compliant	
	<b>USB Cable</b>	Yes	Factory installed 1.7 m USB 2.0	
	<b>Operating Temperature</b>	Use	0° C - 50° C	
	<b>Lighting</b>	Yes	Minimal greater than 20 lux <b>NO ACCESSORY LIGHTS REQUIRED</b>	
	<b>Power Source</b>	N/A	5 VDC, 200 mA from USB port <b>ONLY</b> meeting green initiative	
	<b>Cross Platform OS</b>	Yes	Windows, Mac, LINUX	
	<b>UVC Driverless</b>	Yes	Universal Video Class <b>NO DRIVER</b> required to operate	
	<b>MSI support</b>	Yes	installation, maintenance, and removal of software via Microsoft server	
	<b>Memory</b>	Yes	Image / Video	
			Image Recording: 400 minimum* average 132,000 images per standard hard drive space of 20GB at 2048 X 1536 Video Recording: 8 minutes minimum* OR 4 hours per standard hard drive space of 20 GB at AVI resolution 640 X 480	
<b>Advance Imaging</b>	Yes	For Science, Math or Geography Studies to include 3D rendering, measurement of varied angles, counting, and much more		
<b>Average Set up time</b>	N/A	less than 5 minutes for 1 – 1,000 units using MSI for Cross platform software installations		
<b>Free Updates</b>	Yes	For the life of the product on software and hardware		
<b>IWB Compliant</b>	Yes	Interactive White Board Compliant for most current boards.		
<b>Viewing Angle</b>	Yes	60 degree: diagonal, 50 degree: Horizontal		
<b>Goose Neck</b>	Yes	20" / 50.8cm - 360° X 180° Memory Free Surgical Flexible Neck with 5 year warranty on coating		
<b>Lens</b>	Yes	Glass: f =2.8, and f =1.729 mm		
Controls	<b>Digital Zoom</b>	Yes	Controlled by software buttons up to 16x	
	<b>Focus</b>	Auto	Controlled by software buttons	
	<b>White Balance</b>	Yes	Auto or manual controlled by software buttons	
	<b>Color/B&amp;W</b>	Yes	Black and White controlled by software buttons	
	<b>Gamma Adjustment</b>	Yes	Auto or manual controlled by software buttons	
	<b>Negative/Positive</b>	Yes	Controlled by software buttons	
	<b>Image Rotation</b>	Yes	360° in both directions controlled by software buttons	
	<b>Capture/Freeze</b>	Yes	Freeze image via software button	
	<b>Audio Recording</b>	Yes	Synchronized recording via software buttons	
	<b>Image Compression</b>	Yes	JPEG	
	<b>Annotation</b>	Yes	in software or working with Interactive Whiteboard interfaces	
	<b>Light Control</b>	Yes	Low Light achieved through CMOS and varied through software with Memory Control	
	<b>Full Screen</b>	Yes	desktop enabled icon and single click software button via software	
	<b>Image Compression</b>	Yes	Software Enabled JPEG	
	<b>Split Screen</b>	Yes	Software	



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	Multiple Camera Support	Yes	Minimum of 2; up to 8 running simultaneously
	Time Lapse Recording	Yes	Both Image and Video playback
	Drawing	Yes	Multiple pallet tools
	Video Playback	Yes	Through varied programs
	Document Orientation	Yes	Single Click software buttons
	Auto Format Image	Yes	16:9 format and/or 4:3 format auto or manual select by software
	Distance Learning	Yes	Single Click software button UVC compliant
	Export to MS Office	Yes	Drop down to MS Word or EXCEL
Other Information	Size		7" x 7" x 25" / 17.8cm x 17.8cm x 63.5cm
	Weight		3.64lbs / 1.65 kgs
	Additional Parts	N/A	None, all required components are attached or downloadable
	Certifications		CE, FCC, RoHS, ISO 9001-2008
	Warranty		3 Years Limited
Optional Upgrades	Storage Case		Hard Sided lockable with handle and aluminum frame
	USB EXTENDER		USB Extender Cable 16ft (4.8m) up to 80ft (24.3m) with 4 pieces
	Dust Cover		Heavy Duty Clear Vinyl Dust Cover
Windows/Mac Software	<b>Applied Vision 4</b>		<b>Free windows XP+ and Mac 10.6+ enabled</b>
	Full Screen		desktop enabled icon and single click software button via software
	Image Compression		JPEG
	Split Screen		Through the software
	Multiple Camera Support		2 - 8 running simultaneously
	Time Lapse Recording		Both Image and Video playback
	Drawing		Multiple pallet tools
	Video Playback		Through varied programs
	Document Orientation		Single Click Hardware button
	Auto Format Image		16:9 format and/or 4:3 format auto or manual select by software
	Distance Learning		Single Click software button UVC compliant
	Export to MS Office		Drop down to MS Word or EXCEL Vector graphics - .svg estension
Tablet / Smartphone / Desktop	EduCam		<b>Student App for iOS, Android, Mac, and Windows. and instant assesment software.</b> <span style="float: right;"><b>Collaboration</b></span>