

# Digital CoreScope 2

## T-17541C



### Detailed Specifications (September 2012)

Head	Eyepieces	1-WF10x eyepiece with pointer; all secured with set screw to avoid loss and damage
	Eyepiece Tubes	1 – Variable diopter adjustment $\pm 0.20x$ for optical vs camera focusing
	Mounted Digital Camera with Monocular 45° incline eyetube	1 -- 45° Angle attached eyepiece comfortable student or teacher viewing with built-in USB 2.0 at 1.3 Megapixel resolution camera with USB Jack for direct connection to computer.
Camera	<b>Camera</b>	<b>1.3</b> (1,300,000) megapixel CMOS camera array, color corrected for microscopic application, USB 2.0 (USB 1.1 backward compliant) field corrected to match eyepiece view
	<b>Pixel Count</b>	<b>1280 x 1024</b>
	<b>Output Resolution</b>	<b>HD 720P</b>
	Compatibility	UVC (Universal Video Class) for true plug and play compatibility with Windows, Macintosh and Linux OS systems
	Power	Low power supplied by USB connection of computer $\pm 4.0$ Volts 250mA light indicator when on at the back of camera
	Built-in Cable	Mounted into monocular head USB 2.0; 1.8m A type connection
Frame	Aluminum Single Cast	With USB cable storage and built-in handle
	Focus	Coaxial focus with left and right hand low focus control. Rubber grips on both fine and coarse focus knobs.
	Illumination	Ken-A-Vision LED Cool Lighting source with long life (12,000+ hours), separate on/off switch, and dimmer light control.
	Power	Low voltage power through USB connection to computer or via external USB power plug 120 ~ 240V 50/60Hz 0.2A $\pm$ DC 7.5V 800mA (stored on frame) detachable
Optics	Nose Piece	Reversed 3 hole nose piece with 3 position ball bearing action stop, 360 full rotation
	Objectives	4x, 10x, 40xS DIN
Stage	Round Floating Stage	9.7cm diameter modular attachment to frame; 2 spring loaded stage clips
Optional upgrades	Objective	60x, 100xS
Replacement parts	Dust Cover	KAVSMCOVER
Packing	Boxing	Styrofoam inside 1 outer carton
	USB cable	USB 2.0
	Protective Cover	Durable Clear Dust cover with KAV logo
	Weights and Dims	5.1lbs / 2.31kgs - 9" x 12" x 15.75" / 22.86cm x 30.48cm x 40cm
Certificates	Patents	Patents Pending
	Quality Certificates	ISO:9001--2000
	Local Certificates	CE, CSA, RoHS
	Warranty Guarantee	10 Years on microscope; 1 Year on camera against manufacturing defects