

ken-a-vision[®]
KNOWLEDGE THROUGH VISION

Microscopes for Education



Microscopes for Education

A leader in digital presentation solutions, visualiser, document cameras, microscopes and applications software, Ken-A-Vision® provides high quality, cost-effective products. For 65 years, Ken-A-Vision has created innovative products for the global market such as the Microprojector, the Cordless Microscopes, Digital Microscopes, kena® digital microscope, as well as the Comprehensive 2, PrepScope, CoreScope, and Professor families of microscopes. Based in Kansas City, Missouri, U.S.A., Ken-A-Vision helps students see more, do more and learn more. For more information, visit www.ken-a-vision.com or contact solutions@ken-a-vision.com.



“After teaching university-level science for 34 years, plus consulting and teaching K through 12, I’ve discovered one universal classroom truth – technology is often the key in a student ‘getting it’ and being inspired to further themselves.

This is why I love the products Ken-A-Vision offers. For instance, the Comparison Scope (T-1924C) is the perfect example of the right tool for the technology-driven classroom, whether you’re teaching forensics or any comparative science.”

Dr. Richard Wilson, Educational Advisor
Ken-A-Vision employee since 2002



ken-a-vision®
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Ken-A-Vision® Microscope Table of Contents

Comprehensive Scope 2	
T-19000 Series	2-3
Monocular - T-19011C	4
Dual View - T-19021C	5
Monocular w/Mechanical Stage - T-19012C	6
Binocular - T-19031C	7
Comparison Scope 2 - T-19241C	8-9
Digital Comprehensive Scope 2	
Monocular - T-19541C	10
Binocular - T-19641C	11
kena® - T-1050	12-13
PrepScope 2 - T-12011C/ T-12021C - NEW	14
CoreScope 2 - T-17011C/ T-17021C - NEW	15
CoreScope 2 - T-17012C/ T-17031C - NEW	16
Digital CoreScope 2 - T-17541C - NEW	17
Professor - ESH101/ESH111	18
Professor Stereo - ESH200/ESH210	19
VisionScope 2	20-21
Microprojector - X-1000-1	22
Microprojector 2 - X2000	23
PupilCAM®	
w/Rubber Adapter - 1401KRM	24
w/built-in 10X Eyepiece - 1401KEM	24
Multicharger 2 - SCGN061	25
Microscope Case - SC12CASE / SCCASE	25
Applied Vision™ Software	26-27



Comprehensive Scope 2

Set the stage for a full size microscope today *and* tomorrow, without breaking the budget



T-19541C

T-19000C Series

T-19011C



T-19021C



T-19031C



T-19041C



T-19541C



T-19641C



We develop products for classrooms and laboratories, creating key features such as our exclusive built-in carrying handle and a secure storage compartment for the battery charger and cord. Ken-A-Vision education microscopes always deliver the quality, innovation, convenience, and affordability teachers and students expect.

Our full size Comprehensive Scope 2 line offers customizable features that fit today's classroom needs while offering cost-effective future upgrades. Start with a basic model and when curriculum needs change, add up to six optional heads, two stages, and even an additional 100x objective lens.

Customize and upgrade your microscope with six interchangeable heads.



Convenient built-in handle makes it easy to carry the microscope.



Similar to research-grade microscopes, the ergonomic coaxial knobs are positioned lower on the base.



Secure built-in storage compartment for battery charger and power cord.



Features

Overall best total cost of ownership—a quality microscope that offers easy and inexpensive component upgrades. Digital versions include free software upgrades and no site license fees.

Truly affordable technology-research-grade features at education-level pricing

Excellent image quality from DIN objective lenses and 10x widefield eyepieces

Reverse 4-hole nosepiece makes it easy to insert and manipulate slides

Achromatic lenses prevent color distortion

Rechargeable NiMH batteries offer 40 hours continuous cordless use on an 8-hour charge

Built-in storage compartment for battery charger and power cord

Coated base and feet protect tables from nicks and scratches

Moulded rubber ergonomic coaxial focus knobs for separate coarse and fine adjustments

Convenient built-in carrying handle

Adjustable light dimmer

Energy-efficient, Ken-A-Vision LED Cool Light

Ergonomic, durable construction prevents students from removing parts

6 different modular heads available

3.2 megapixel camera and Applied Vision™ 4 software available on digital models T-19541C & T-19641C

10 year limited warranty

Assembled in USA

International quality certificates

Comprehensive Scope 2 Monocular T-19011C

Our compound microscope is affordable, durable, and student-friendly. Ideal for entry level to advanced science courses, it comes equipped with all of our Comprehensive Scope 2 key features, including coaxial focusing.



Features

Monocular head rotates for comfortable viewing angle

1 - 10x widefield eyepiece; 4x, 10x, 40xS DIN achromat objective lenses

Reverse 4-hole nosepiece

40 hours of continuous cordless operation

Built-in carrying handle for easy transport around the classroom and for storage

Square stage with 2 stage clips

Humidity and climate protection coating on optics

Additional accessories: 60x and 100x objectives; Mechanical stage with Abbe



T-19011C



Comprehensive Scope 2 Dual View T-19021C



Dual eyepieces let a teacher see exactly what the student sees. A cost-effective solution when you have more students than microscopes or if your class frequently works in pairs or teams.

Features

Reverse 4-hole nosepiece

2 - 10x widefield eyepieces;
1 diopter; 4x, 10x, 40xS DIN
achromat objective lenses

Ergonomic design places coaxial focus
knobs in easy reach no matter which
eyepiece you're using

Adjustable light dimmer

Energy saving bright and cool LED white light

Protective base plate

Humidity and climate protection
coating on optics

Additional accessories: 60x and
100x objectives; Mechanical
stage with Abbe



T-19021C



Comprehensive Scope 2 Monocular with Mechanical Stage T-19012C

One of our most popular combinations offers a monocular head plus a mechanical stage, an Abbe condenser, and a 100xS objective lens.

This microscope offers the best overall value for teaching life sciences – professional optics, versatile stage, and adjustable controls – all at an affordable price.



T-19012C

Features

Humidity and climate protection coating on optics

1 - 10x widefield eyepiece; 4x, 10x, 40xS, 100xS DIN achromat objective lenses

Adjustable light dimmer and Abbe condenser

Built-in, low-positioned mechanical stage

Security features prevent theft or damage of modular pieces

Ergonomic design allows for comfort while focusing

Compatible with the Ken-A-Vision Multicharger 2, allowing you to charge up to 8 microscopes at one time



Comprehensive Scope 2 Binocular T-19031C



All of the benefits of a full-featured microscope, designed specifically for students & education-level budgets. This microscope includes an adjustable Seidentopf binocular head, mechanical stage, an Abbe condenser, and a 100xS objective lens.

Features

Seidentopf binocular head

Humidity and climate protection coating on optics

2 - 10x widefield eyepieces; 4x, 10x, 40xS, 100xS DIN achromat objective lenses

Adjustable light dimmer and Abbe condenser

Built-in, low-positioned mechanical stage

Security features prevent theft or damage of modular pieces

Ergonomically positioned coaxial focus knobs

Built-in carrying handle ensures security and safety in transporting



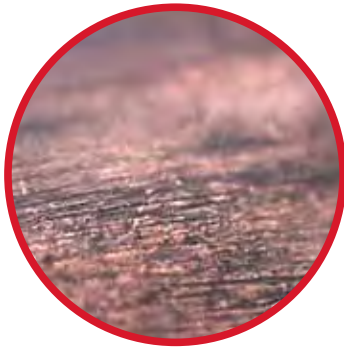
T-19031C



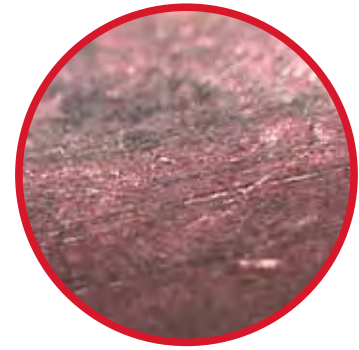
Comparison Scope 2

T-19241C

The cordless Comparison Scope 2 is the perfect classroom microscope for teaching forensics and comparative sciences. It lets you compare two slides side-by-side with each viewed separately in a full-field or together in a split screen, or you can view each slide individually with high-quality optics and independent focusing on each microscope base.



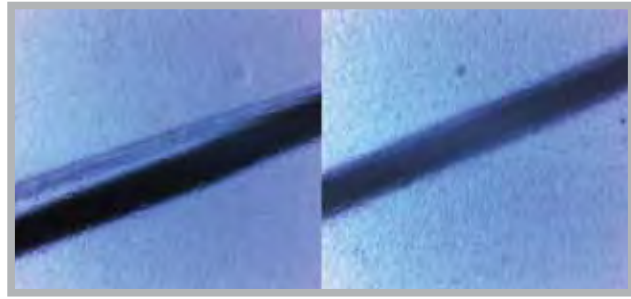
Bullet Casing
Specimen A



Bullet Casing
Specimen B



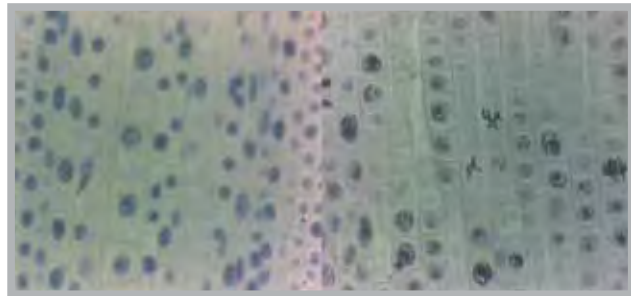
T-19241C



Badger and Skunk Hairs



Close Up of Red Hair



Mitosis Comparison

Features

10x widefield eyepieces with pointer

2x, 4x, 10x, 40xS DIN achromat objective lenses

Seidentopf binocular head

Lights above and below the stage for viewing macro specimens or slides

Side-by-side comparisons of forensics (shell casings, hair samples) or biology (tissue types, normal/abnormal cells)

Humidity and climate protection coating on optics

Additional accessories:
Specimen Clip (SCCLIP)



Digital Comprehensive Scope 2 Monocular 3.2 MegaPixel T-19541C

3.2
MegaPixel

This microscope offers a built-in 3.2 megapixel digital camera and advanced features that enhance student learning and achievement. A cost-effective and easy-to-use solution that lets you take digital pictures, annotate images, record video, and project images on a computer screen or interactive whiteboard.



T-19541C

Features

Built-in 3.2 megapixel digital camera is upgradable in the future

Humidity and climate protection coating on optics

Monocular head with 1 - 10x widefield eyepiece; 1 diopter; 4x, 10x, 40xS, 100xS DIN achromat objective lenses

Built-in, low-positioned mechanical stage

Abbe condenser

Plug-and-play, compatible with Windows, Mac, and Linux systems

Can be used with Applied Vision™ Software (included) or any imaging program

Skype-ready



Sheep wools at
100x magnification

**3.2
Megapixel**

Digital Comprehensive Scope 2 Binocular 3.2 MegaPixel T-19641C



This binocular head microscope has a built-in 3.2 megapixel digital camera with advanced features that add to the classroom and education experience. Take digital pictures, annotate images, record video, and project images on a computer screen or interactive whiteboard with one easy-to-use and cost-effective solution.

Features

Humidity and climate protection coating on optics

2 - 10x widefield eyepieces; 4x, 10x, 40xS, 100xS DIN achromat objective lenses

Adjustable light dimmer

Built-in, low-positioned mechanical stage

Abbe condenser

Seidentopf binocular head

Built-in 3.2 megapixel digital camera is upgradable in the future

Plug-and-play, compatible with Windows, Mac, and Linux systems

Can be used with Applied Vision™ Software (included) or any imaging program

Free upgrades and unlimited site licenses with Applied Vision™ Software.

Skype-ready



T-19641C



Pinus needles at 1000x magnification

kena® Digital Microscope T-1050

The power of a digital
microscope that fits
easily in the palm of
your hand

kena is our innovative portable digital microscope offering a unique, ergonomic detachable head that fits in your hand for true portability. The kena USB connector powers the LED light and lets you magnify, capture, or modify images or video directly on your computer. It offers battery-powered LED lighting for specimens or slides and the unique stage pad material eliminates the need for stage clips.

The kena is innovative, affordable, and ideal for teachers and students, in the classroom or in the field.



Features

Award-winning, patented design

Optical magnification 20x, 40x, 100x; Digital magnification 40x, 80x, & 200x with Applied Vision™ 4 Software

Ken-A-Vision cool LED lighting

Attached 6 foot (1.8 meter) USB cable

Convenient handle/cord wrap

Easy-to-reach capture button on top of head



T-1050



2010 I.D. Annual Design Review Award Winner



Intel® Learning Series

Advancing Education Worldwide



Sleek, sturdy metal base with practical silicone stage pad and easy-grip focus knobs

Includes touch tube adapter and carry/storage bag

Plug-and-play, compatible with Windows, Mac, and Linux systems

Can be used with Applied Vision™ 4 Software (included) or any imaging program

Attached USB cable wraps around handle for easy storage



Easy-turn turret with 2x, 4x, and 10x objective lenses and cool LED light



Silicone stage pad has bottom light and securely holds specimens and slides



*Presented by IDSA (Industrial Designers Society of America) and sponsored by BusinessWeek. The IDEA (International Design Excellence Award) competition is a celebration of the most innovative & exciting product & product concept designs of the year and one of the world's most prestigious design competitions.

PrepScope 2 Monocular T-12011C



A simple microscope with a 3/4-sized frame and rugged components make this compound microscope ideal for introducing science to students.



32 cm / 12.6 in.



Features

- 10x widefield eyepiece with pointer
- 4x, 10x, and 40xS objective lenses
- Reverse 3-hole nosepiece
- Square stage with slide clips
- 3/4-sized frame for smaller hands and easier transport
- Cool LED lighting
- Cordless operation with rechargeable batteries
- Humidity and climate protection coating on optics
- Aluminum single cast body

T-12011C (shown)
T-12021C (not shown, Dual View Head)



NEW

CoreScope 2 Monocular T-17011C



Our popular 3/4-sized frame with all of the features of our full-sized microscopes. Enhanced with a floating mechanical stage and coaxial focus knobs, this is an affordable microscope that fits the needs and abilities of intermediate-level students with unsurpassed value.

Features

10x widefield eyepiece with pointer

4x, 10x, and 40xS objective lenses

Reverse 3-hole nosepiece

Easy-to-use floating stage

Coaxial coarse and fine focusing knobs

Cool LED lighting

Cordless operation with rechargeable batteries

Humidity and climate protection coating on optics

Aluminum single cast body



32 cm / 12.6 in.



T-17011C (shown)
T-17021C (not shown, Dual View Head)

CoreScope 2 Binocular T-17031C



The CoreScope 2 Binocular microscope comes with Cool Light illumination, 2 10x widefield eyepieces, 4x, 10x, 40xS and 100xS DIN achromatic objectives. A built-in lower position mechanical stage features a spiral adjustable Abbe condenser.



Features

Sliding binocular head

Reverse 4-hole nosepiece

2 - 10x widefield eyepieces; 4x, 10x, 40xS, 100xS DIN achromat objective lenses

Mechanical stage with Abbe condenser

Humidity and climate protection coating on optics

Cool LED lighting

Cordless operation with rechargeable batteries

Built-in cord storage

Aluminum single cast body

32 cm / 12.6 in.



4-hole nosepiece



Mechanical stage

T-17031C (shown)
T-17012C (not shown, Monocular Head)



NEW

Digital CoreScope 2 T-17541C

The Digital CoreScope 2 is an excellent and affordable way to introduce students to digital microscopy. The all new 3/4-sized frame offers a built-in digital camera, and the USB captures images directly on your computer. It can be powered through a computer or AC outlet with included adapter.

Features

HD 720P (1.3 megapixel) camera resolution

Built-in digital camera

Floating mechanical stage

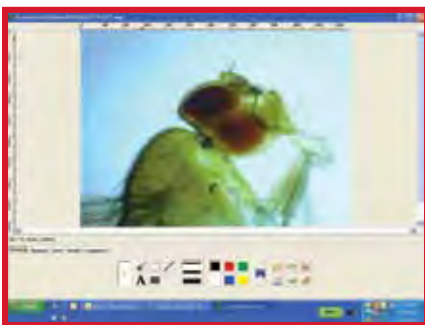
USB-powered camera and light

USB and AC powered microscope

Humidity and climate protection coating on optics

1 - 10x eyepiece; 1 diopter; 4x, 10x, 40xS, DIN achromat objective lenses

Includes Applied Vision™ Software



Drosophila head at 400x



T-17541C

Professor ESH101/ESH111

All of the components of a full size microscope in a simple and lightweight package. Its compact size, rugged plastic construction, battery power, and all-glass optics make the Professor ideal for use in the classroom or in the field.

29.5 cm / 11.61 in.



Features

1 - 10x eyepiece; 4x, 10x, 40xS, DIN achromat objective lenses

Built-in upper and lower lighting

Operates for 300 hours on 3 AA batteries

45 degree angle head ideal for student viewing

Rugged construction with smooth edges

Adjustable controls are sized for smaller hands

ESH111 is a pack of ten ESH101 microscopes

Professor Stereo ESH200/ESH210



This compact, portable design is battery-powered and offers an inclined binocular head and all-glass optics.

Features

2 - 10x eyepieces;
20x magnification

Smaller binocular head
sized for younger students

Operates for 300 hours on
2 AA batteries

Ideal for field trips and
nature centers

Rugged construction with
smooth edges

Adjustable controls are
sized for smaller hands



ESH210 is a pack of ten
ESH200 microscopes

VisionScope 2

The VisionScope 2 is the newest addition to our stereo microscope line. It offers a built-in carrying handle, a wide and sturdy base, and an easily adjustable rack-and-pinion focusing system. This microscope delivers robust functionality in a sleek design and is ideal for use in the classroom or in the field.



T-22041
(20x & 40x magnifications)

T-22041C
Cordless VisionScope
(not shown)



Features

Interchangeable head

Various magnification options available

Coaxial rack-and-pinion focusing system

Versatile upper & lower lighting management system

	VisionScope 2						VisionScope 2 cordless					
Product Number	T-22001	T-22011	T-22021	T-22041	T-22051	T-22061	T-22001C	T-22011C	T-22021C	T-22041C	T-22051C	T-22061C
Magnifications	10x & 30x	15x & 45x	20x & 60x	20x & 40x	30x & 60x	40x & 80x	10x & 30x	15x & 45x	20x & 60x	20x & 40x	30x & 60x	40x & 80x
Eyepieces												
2 - 10x (36mm) widefield eyepiece with eyeguard	◆			◆			◆			◆		
2 - 15x (36mm) widefield eyepiece with eyeguard		◆			◆			◆			◆	
2 - 20x (36mm) widefield eyepiece with eyeguard			◆			◆			◆			◆
Heads												
1x & 3x objectives	◆	◆	◆				◆	◆	◆			
2x & 4x objectives				◆	◆	◆				◆	◆	◆

Microprojector X-1000-1

The Microprojector takes your microscopic images and projects them on to a wall or table for group viewing. It is a great tool for all levels, from grade school to college level courses.



X-1000-1



Features

150 watt quartz iodine lamp

Double condensing system

Heat filter and patented cooling system help protect specimens



Microprojector 2 X2000



The Microprojector 2 is an inverted microscope that has a zoom lens and connects directly to your classroom projector or computer monitor. It is ideal for lecture halls or large classrooms and can display a variety of objects, including slides, Petri dishes, thin or thick sections, and larger semi-transparent objects.

Features

3x to 30x zoom lens

XGA camera for high-resolution images on projectors or computer monitors

Multi-directional mechanical floating stage

Adjustable rheostat lighting above the stage keeps specimens from getting overheated

Wide working distance between stage and lens offers room for larger specimens or containers



X2000

PupilCAM[®] with Rubber Adapter 1401KRM

The PupilCAM is a high-resolution, 1.3 megapixel digital camera that fits directly on your microscope. Use the long (7' 9"/2.4m) USB cable to connect it with monitors, multimedia projectors, and computers. The rubber eyepiece adapter securely and accurately line up the camera and the microscope or stereoscope.



Features

1280 x 1024 SXGA resolution

One piece construction means no parts to lose

Plug-and-play, compatible with Windows, Mac, and Linux systems

Can be used with Applied Vision[™] 4 Software (included) or any imaging program

1401KRM

PupilCAM with Built-in 10X Eyepiece 1401KEM

The PupilCAM is a high-resolution, 1.3 megapixel digital camera that fits directly on your microscope. Use the long (7' 9"/2.4m) USB cable to connect it with monitors, multimedia projectors, and computers. The built-in 10x eyepiece fits securely into the microscope eyepiece tube.



Features

1280 x 1024 SXGA resolution

One piece construction means no parts to lose

Plug-and-play, compatible with Windows, Mac, and Linux systems

Can be used with Applied Vision Software (included) or any imaging program

1401KEM

The Multicharger 2 keeps all of our microscopes fully-charged and ready for your classroom projects and assignments. Plug it in the wall power outlet, connect up to eight microscopes, and in just eight hours, it will completely charge the NiMH batteries in the connected microscopes. A microprocessor in each charging slot monitors charging to prevent overcharging, and LED lights let you know if it is still charging or finished.

Multicharger 2 SCGN061

Features

Allows one electrical wall outlet to charge eight microscopes at once

LED meter indicators show percentage of charge received

Red and green LED station indicators show when microscope is charging or fully charged

Enables you to easily charge multiple microscopes while they are in storage



SCGN061



Microscope Case SC12CASE & SCCASE

Protect your Ken-A-Vision microscope with our storage case. It offers solid, hard-shell construction on the outside, lined with a foam insert.

SC12CASE (shown) for Comprehensive Scope 2
SCCASE (not shown) for PrepScope 2 & CoreScope 2

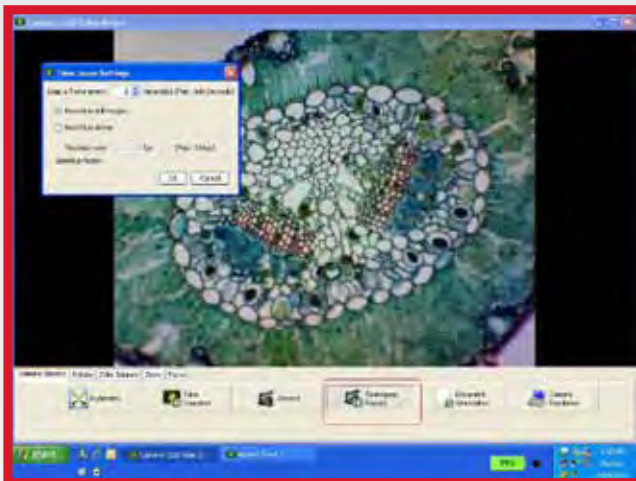
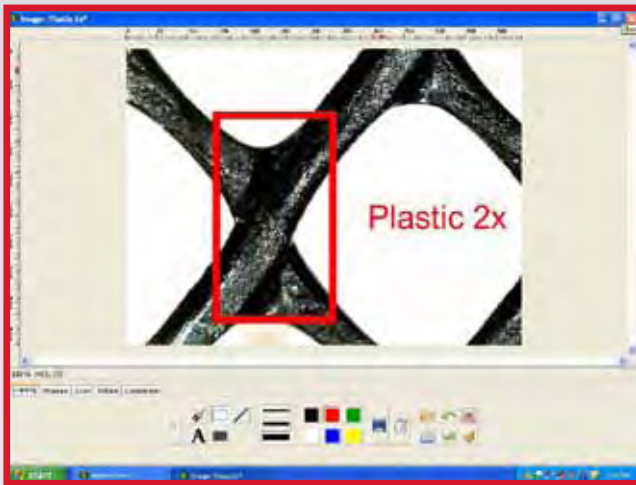
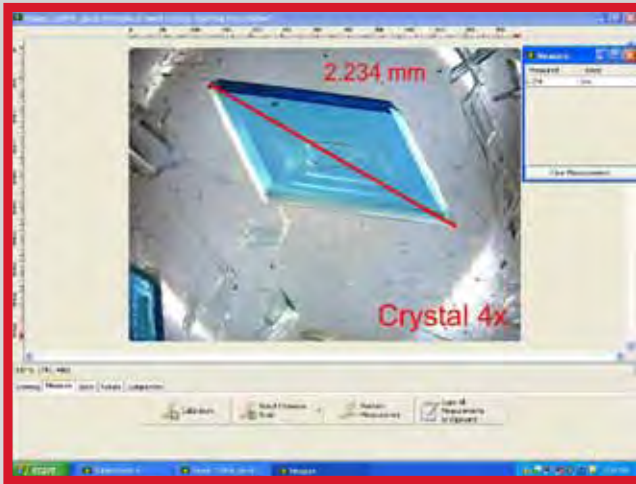
Applied Vision™ 4 Software

With our Applied Vision 4 Software (AV4), you can easily connect your Ken-A-Vision digital products directly to your computer and work with videos and still images. The easy-to-use, intuitive user-interface was designed with input from educators to help you make the most of your classroom time while still creating and presenting attention-grabbing materials.



Our AV4 Software offers a world of versatility, letting you show live video feeds, capture and edit videos and images, and even record movies for your classroom. You can also see multiple camera views and different live images by plugging in different digital products and reducing screen sizes.

Applied Vision 4 Software can be downloaded from the CD included with every digital product purchase or directly from our website, www.ken-a-vision.com, free of charge.



Features

Compatible with interactive whiteboards

Compatible with Windows, Mac, and Linux systems

Multiple camera support

Full-screen viewing

Auto-adjust screen sizes

Image comparison

Color balance options

Digital zoom

Document orientation and rotation

Time-lapse recording

Intuitive user interface

Measurement toolbar

Free software upgrades

Unlimited site licenses

Downloadable 24/7

Optimal Total Cost of Ownership