

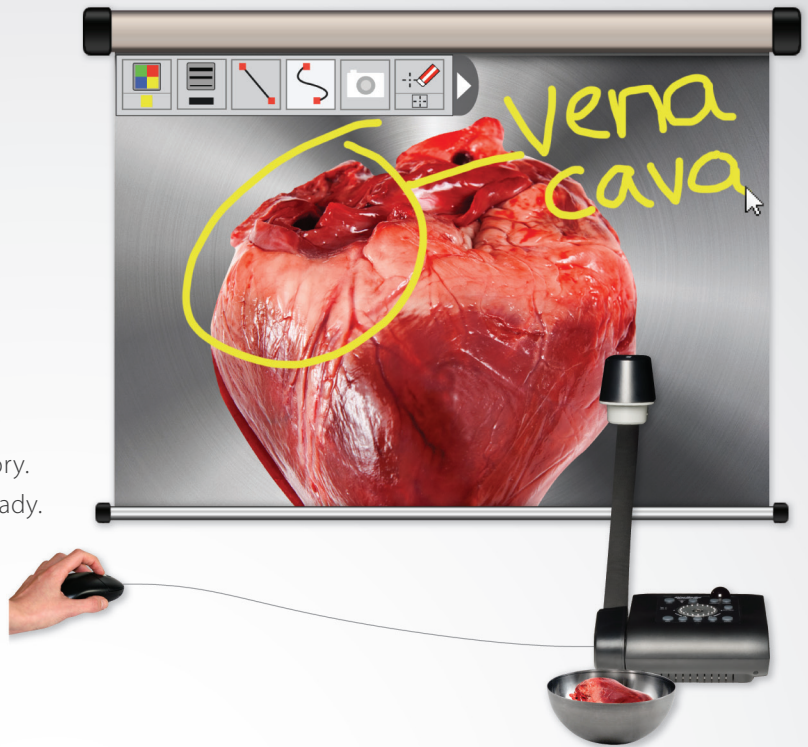
AVer F50

Portable FlexArm document camera

Best-in-class image clarity

Easily differentiate the Aorta from the Vena Cava with the F50's clarity. Add in onboard annotation, 80x zoom and you've really got something to see.

- **5MPs, 192X zoom and HDMI:** Megapixels. Mega Images. Mega wows.
- **Flexible (Gooseneck) arm:** Bend in all directions.
- **Annotate without a computer:** Just add a mouse.
- **Audio/video recording:** USB flash drive and onboard memory.
- **AVer Academy Suite:** PowerPoint™, social media and IWB ready.
- **America's best doc cam warranty program.**



Why choose the F50?



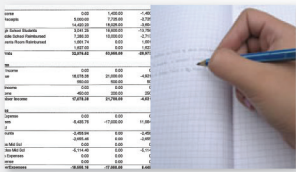
Flexible (Gooseneck) arm

With an incredibly pliable neck, the F50 is geared to wow teachers and students with its ability to lean, flex and bend to get up close and personal to an iPad, petri dish, map and more.



AVer Academy Suite

Your classroom has many technologies – IWB, tablet, PC, MAC – and with the AVer Academy Suite, the F50 flawlessly integrates into each of them. Insert a live F50 image into MS PowerPoint™, IWB software and even upload recorded videos to YouTube™, Dropbox™ and more.



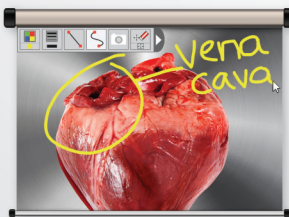
It's all about the split screen

Project a live image next to a saved image. Why? Show exam questions next to sample answers. Written instructions next to a live demonstration. This list goes on and on.



America's best doc cam warranty program

The F50 has the industry's only 5-year bumper-to-bumper (all-inclusive) doc cam warranty with 5-year free 2-way RMA shipping and 5-year worry-free standard advanced replacement program.



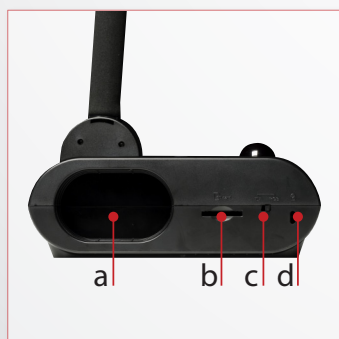
Draw and make digital notes

Plug in a USB mouse or AVer's AP20 interactive pen right into the F50 (no computer needed) and draw arrows, highlight, write notes and more on any displayed image. Left ventricle, aorta – you've just added notes to a 3-D object. How cool is that?

Specifications

Image			
Sensor	1/2.5" CMOS		
Pixel Count	5 megapixels		
Effective Pixel	2592 H x 1944 V		
Frame Rate	30 fps (max.)		
White Balance	Auto / Manual		
Exposure	Auto / Manual		
Image Mode	Sharp / Graphics / Motion / Microscope / Macro / Infinite		
Effect	Color / B/W / Negative / Mirror / Rotate / Freeze		
RGB Output	1920x1080, 1280x720, 1024x768		
HDMI Output	HD 1080p 148.5MHz 50Hz/60Hz; HD 720p 50Hz/60Hz; 1024x768 60Hz		
Composite Output	720x480 (NTSC)		
Optics			
Focus	Auto / Manual		
Shooting Area	Max. 15.75" x 11.8" (400mm x 300mm)		
Zooming	8X Optical + 10X Digital Zoom (Total = 80X)		
Function			
Image Effect	Color / B&W / Negative / Mirror / Reverse / Freeze		
White balance/exposure/night view	Auto / Manual		
Picture-in-picture	Yes		
Split Screen	Yes		
Presentation Tools	Spotlight (Yes), Visor (Yes)		
Capture Mode	Single / Continuous		
Remote Control	Yes		
Image Storage	240 Frames(XGA) ; 80 Frames(5M Pixel)		
Onboard AV Recording	Yes, SD/SDHC/USB		
Onboard Annotation	Yes, works with any HID device (eg. Mouse, AP20T Interactive Pen)		
Compatibility			
Operating Systems	Windows XP SP3 (32-bit), Windows Vista (32/64 bit), Windows 7 (32/64 bit); Mac OS X 10.5.8 or above (Intel based)		
AVer Software	AVer Academy Suite (Sphere, PowerPoint Plug-in, Flash-Plug-in), A+ 1.7, AVerVision 4		
Interactive Whiteboard Compatibility	Yes with AVerVision Flash Plug-in		
MS PowerPoint	Yes with PowerPoint Plug-in (Windows only, MS PPT 2007 or above)		
Power			
Power Source	DC 12V, 2A, 100-240V, 50-60Hz		
Consumption	16.8 Watts (lamp off); 18 Watts (lamp on)		
Lighting			
Lamp type	LED light		
Input/Output Connections			
RGB Input	15-Pins D-sub (VGA)		
RGB Output	15-Pins D-sub (VGA)		
DVI-I Output	DVI-I Type		
CVBS/RS-232	Mini-DIN Jack (use CVBS/RS-232 Adapter cable)		
Composite Video	RCA Jack		
USB	Mini-USB (Connect to PC); Type-A (Connect to USB Flash Drive, AP20 Interactive Pen)		
SD	SD/SDHC (Up to 32GB)		
DC 12V Input	Power Jack		
MIC Input	3.5mm jack, pink		
Speaker Output	3.5mm jack, green		
Dimension			
Operating	14.96" x 7.87" x 21.25"		
Folded	12" x 9.64" x 3.03"		
Weight	5.73 lbs (2.6kg)		
External Storage			
Secure Digital (SDHC)	1GB ~ 32GB (FAT32)		
USB Flash Drive	2GB ~ 64GB (FAT32)		
Optional Accessories			
Microscope Adapter	Part number: VISIFSEMA		
Light Box	Part number: VISSPC3LB		
Anti-Glare sheet	Part number: PANTIGLA1 (A5 size 8.26" x 5.84")		
AP20T Interactive Pen	Part number: PEN2TEAPK		
Package Contents			
	F50		
	RS-232/CVBS Cable		
	USB Cable (Mini type)		
	RGB Cable		
	RCA Cable		
	Power Adapter		
	Software CD		
	User Manual CD		
	Carrying Bag		
	Remote Control (including batteries)		
	Anti-glare Sheet		
	Warranty Card		
	Quick Guide		

Parts and connections



- a Camera holder
- b SD card slot
- c TV-RGB switch
- d Antitheft slot
- e DVI-I output
- f USB switch
- g USB
- h USB output
- i Speaker output
- j DC 12V
- k RGB input
- l RGB output
- m RS-232
- n Mini USB

Comparison chart



Model	U15	CP135	F30	F50	M70	W30	SPB350+
Pixel count	2MP	3.2MP	3.2MP	5MP	5MP	3.2MP	5MP
Total zoom	8X	16X	16X	80X	192X	16X	160X
Output resolution	1080P	720P	720P	1080P	1080P	1080P	1080P
Framerate	30fps	24fps	30fps	30fps	30fps	30fps	30fps
Wireless	No	No	No	No	No	Yes	No
Onboard annotation	No	No	No	Yes	Yes	No	No
1-touch recording	No	No	Yes	Yes	Yes	No	No
Warranty	2 years	5 years	5 years	5 years	5 years	3 years	5 years
Advanced replacement	N/A	5 years	5 years	5 years	5 years	3 years	1 years
MSRP	\$199	\$499	\$599	\$699	\$799	\$799	\$999



Model	HVC110	HVC310
Microphone	1 directional	2 directional
Ext mic support	Yes	Yes
Speaker	External	External
Video connectivity	HDMI/VGA	HDMI/VGA
Standard protocols	H.323/SIP	H.323/SIP
Video resolution	720P	720P
Content sharing	Wireless/VGA	Wireless/VGA
RS-232	Yes	Yes
Multi party calls	No	Up to 4
Meeting recording	No	Yes
Snapshot sharing	No	yes
Warranty	3 years	3 years
Advanced replacement	1 year	1 year
MSRP	\$2499	\$3499



Model	AP20t
Compatibility	Any Mac/PC
Writing surface	Any
Range	50 feet
Optical pen tip	Proprietary sensor
Design	Ambidextrous
Color	Blue and silver
Wireless	2.4 GHz RF
Battery	Lithium ion
Battery life	5 days/charge
Weight	45 grams
Dimensions	151mm x 25mm
Warranty	3 years
Advanced replacement	N/A
MSRP	\$129

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