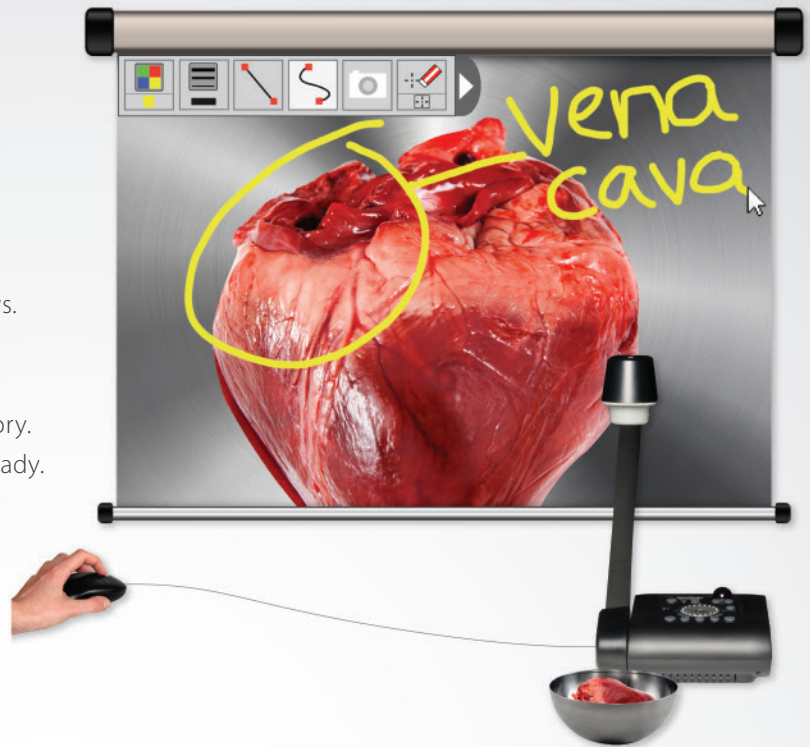# AVer F50

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 and 80X zoom:** 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.
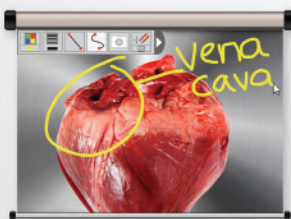
It's all about the split screen
Project a live image next to a saved image. Why? Show exam questions next to sample answers. Written instructions next to a live demonstration. This list goes on and on.

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?

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.

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.

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
DVI-I 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

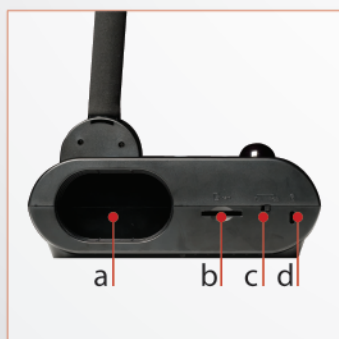|	
Secure Digital (SDHC)	1GB ~ 32GB (FAT32)
USB Flash Drive	2GB ~ 64GB (FAT32)

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 MIC output
i Speaker output
j DC 12V
k RGB input
l RGB output
m RS-232
n Mini USB