AVer **F50**HD

Portable FlexArm document camera

AVer

HDMI + Optical Zoom = Amazing Clarity

The new AVer **F50HD** allows you to connect your HDMI display devices directly to this feature-packed document camera. Now you can display your frog dissection with vivid detail!

- **Direct HDMI input and output:** Fully compatible with new display technology.
- **5MP and 80× zoom:** Vivid details. Vibrant colors.
- **Flexible (Gooseneck) arm:** Shoot from any angle!
- **Audio/video recording:** Directly to onboard memory, SD card or USB flash drive.
- **Annotate without a computer:** Just add a mouse.
- **AVer A+ Software Suite:** Full blown presentation, creation, and student engagement software.
- **America's best doc cam warranty program**

Transparent inner eyelids

HDMI

Why choose the **F50**HD ?

HDMI

The F50HD can now connect directly to your HDMI equipped projector and display systems. This amazing doc camera can also directly input HDMI signals, so you can integrate vivid, high-definition, picture-in-picture displays !

A+ Software Suite

A+ Software Suite allows you to customize your lessons by integrating your F50HD with multiple video feeds, and engage with your students using a variety of classroom technologies. Insert a live F50HD video stream into MS power point, IWB software and even upload recorded videos to YouTube**™,** DropBox**™** and more**.**

Flexible (Gooseneck) arm

With an incredibly pliable neck, the F50HD 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.

Onboard Control

Not connected to a PC/Mac? The F50HD's on board features allow you to control not only your camera's zoom, focus, and recording, but also display functions such as split-screen, picture-in-picture, screen visor and spotlight modes.

Draw and make digital notes

Plug in a USB mouse right into the F50HD (no computer needed) and draw arrows, highlight, write notes and more on any displayed image.

America's best doc cam warranty program

The F50HD 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
HDMI Output	Up to 1920x1080
RGB Output	1920x1080, 1280x720, 1024x768
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, Trackball)

Compatibility
Operating Systems	Windows XP SP3 (32-bit), Windows Vista (32/64 bit), Windows 7 (32/64 bit), Window8(32/64bit); Mac OS X 10.5.8 or above (Intel based)
AVer Software	AVer A+ Software Suite (Sphere2, Microsoft Plug-in, Flash-Plug-in)
Interactive Whiteboard Compatibility	Yes with AVer A+ Software Suite Flash Plug-in
MS PowerPoint, Word, Excel	Yes with Microsoft 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
HDMI Input	Yes
HDMI Output	Yes
RGB Input	15-Pins D-sub (VGA)
RGB Output	15-Pins D-sub (VGA)
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)
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)

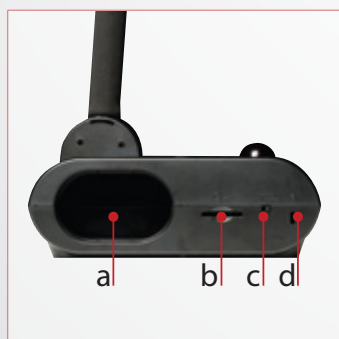### Optional Accessories
Microscope Adapter	Part number: VISIFSEMA
Light Box	Part number: VISSPC3LB
Anti-Glare sheet	Part number: PANTIGLA1 (A5 size 8.26" x 5.84")

Package Contents
F50HD
RS-232/CVBS Cable
USB Cable (Mini type)
RGB Cable
RCA Cable
Power Adapter
Software CD
User Manual CD
Remote Control (including batteries)
Warranty Card
Quick Guide

Parts and connections

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