

HoverCam®

The Most Advanced Document Camera
Super Charged HDMI Meets SuperSpeed USB 3.0



HOWARDedu

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ULTRA 8

8.0
MegaPixel

60FPS
FullMotion HD

HDMI
VGA

USB3.0
SuperSpeed

12X Optical
Zoom Equivalent

Preview LCD Panel



HDMI



VGA



USB3.0



ULTRA 8

- HDMI to Flat Panel
- USB3.0 to PC
- VGA to Projector
- LCD Control Panel

It Does Everything Except Travel Through Time

Sensor
8.0
MegaPixel

Full Motion
30
Frames Per Sec.



The ULTRA 8 is a revolutionary document camera transforming learning in the classroom

Every detail revealed: 8.0 MegaPixel resolution



Resolution
4x
1080P HD

ASR
4k
Clarity

Experience high-quality, uncompressed video with 4k clarity with 4 x the resolution of 1080p HDTV.

An education revolution powered by a USB 3.0 cord

USB
3.0
SuperSpeed

- The world's first SuperSpeed USB 3.0 Document Camera
- Enjoy using the camera the same way you use a computer – with a mouse
- Record video or scan images straight to your PC or Mac

Delights, camera, action



Full Motion
30
Frames Per Sec.

Experience 4 x the clarity of a 1080p HDTV for truly captivating lag-free video. It's more Hollywood than document camera.

Record hundreds of hours of video

Record video directly to your computer's hard drive:

- Also can record to SD cards
- Transfer easily to YouTube, TeacherTube, your website or other sharing services

Zoom, Baby, Zoom



Equivalent To
12x
Optical Zoom

- 3x magnification with 8 million uncompressed pixels
- 10x magnification mechanically
- 8x magnification digitally with interpolation

HARDWARE SPECIFICATIONS

Sensor	8.0 MegaPixel BSI CMOS	Microphone	Built-in with noise reduction
Optics	1/3.2" Sensor	Lighting	4 built-in ultra-bright LEDs
Lens	5 Element f2.0 High Precision Lens Assembly	Power Requirements	DC adapter 5.6 volt
Focus	Auto-Focus, Auto-Focus Lock, Select Region Focus, minimum 1.96" focal distance	Output Connector	HDMI/VGA USB3.0/USB2.0
Image Resolution	3264x2448, 3264x1836, 1600x1200, 1920x1080, 1024x768, 1280x720, 800x600	System Requirements (Optional)	CPU 1.6 GHz, 2.0 GHz recommended, RAM 512MB minimum, 1 GB recommended
Zoom	Total 320x Zoom (4x ASR Zoom, 8x Interpolated Digital Zoom, 10x Mechanical Zoom)	Control Interface	RS232C
Scan Size	A3, A4, 11x17, US Letter and Legal	Included Storage	16GB SD Card
Frame Rate	8MP ^{ASR} @ 30FPS 1080P @ 30FPS	Recording Format	AVI
Video Compression	YUV (USB 3.0/HDMI/VGA) or MJPEG (USB 2.0)	Warranty	2 years
		Certifications	FCC, CE, RoHS