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Camera 446

The Camera 446 from Dukane brings a whole new perspective to the classroom. This digital gooseneck camera shows documents and 3D objects in amazing clarity. By connecting the Camera 446 to a projector or other large display device you no longer have students crowded around a table trying to get a glimpse of the material being presented. High definition output via HDMI means superior image quality and optical zoom means outstanding detail. Capture still images and videos with audio to the internal memory or to a USB Flash file which can be easily removed for sharing. The flexible design and small footprint make the Camera 446 an excellent choice for any classroom.

Features

- High Resolution XGA, SXGA, WXGA, and 1080p
- HDMI Digital Output & Input
- 16x Zoom, 12x Digital Zoom, 8x Optical Zoom
- Built in Microphone
- Image Capture, Video/Audio Recording and Playback
- LED Illumination
- Internal Memory and USB Flash Drive Port
- USB Connection Capability
- Compatible with All Interactive Whiteboards
- New B-Works2™ Software Included
- 5 Year Warranty

Input/output ports

Controls on base

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Imaging	
Full screen Video/audio recording and playback	
Output Resolution	XGA (1024 x 768), SXGA (1280 x 1024), WXGA (1280 x 800), 1080p (1920 x 1080)
Frame Rate	VGA (SXGA - 1080p) - 30 fps; USB - 30 fps
Zoom Capacity	2x pixel zoom and 12x digital zoom, 8x, Optical 8x
Capture Area	18" x 12.5" (357.2 x 317.5 mm)

Lighting	
Lamp Type	2 LED lamps for completely even light coverage, (one in camera head)

Input/Output	
Power Supply	Built-in, 100-240 VAC, auto switching
Digital Out HDMI	XGA/SXGA/WXGA/1080p
Digital In HDMI	Active pass through
VGA In	Active pass through from the computer
VGA Out	VGA output to the projector
Audio In	Built-in microphone
Audio Out	3.5mm phone jack for earphones or speakers
Internal Memory Capacity	Up to 120 JPEG images
External Memory Capacity	USB Flash Drive
USB Support	USB 2.0 High Speed (up to 480 Mbps) for seamless integration with interactive whiteboards
RS-232	Yes
C-Video	RCA Jack (PAL, NTSC)

Software	
B-Works2™ Software Included	Supports PC Windows 8, 7, XP, Vista and Mac OSX. (Free download from Dukane website.)
Video Recording with Audio	Record video with various compression formats. Playback with audio out- No PC needed.
Image Capture	Single or continuous capture of JPEG images.
Annotation	Add annotations directly to live image.
Controls and Operations	Same set of controls as the remote control
USB Driver	Supports UVC, WIA and TWAIN for integration with interactive whiteboards including Promethean™, SMART™, Hitachi Starboard™, Mimio™, and others.

Accessories	
Standard	Power cable, VGA cable, USB cable, Microscope adapter, Audio Cable, Remote Control
UPC	605194003716
Optional	RS232 Adapter

5 YEAR WARRANTY

Operation Functions	
Auto Tune	Yes, single button to adjust for best possible images
Auto Exposure	Yes
Auto White Balance	Yes
Auto Focus	Yes
Photo/Text Mode	Choose photo/grayscale/text mode
Image Mode	Choose normal/35mm slide/microscope/negative film
Image Capture	Single capturing of images to built-in memory, or to a computer via USB, or USB Flash Drive
Video Recording	One-touch, Video recording and playback with audio from built-in microphone
Picture In Picture (PIP)	Yes
Freeze	Yes
Slide Show	Automatically or manually
Image Rotation	Full screen image rotation from 0 to 180 degrees, flip, mirror
Annotation	Yes, annotation with B-Works2™ Software
Spotlight	Yes
Low Light Mode	Yes
Pan Across the Screen	Enlarged any part of the image and pan it by using the arrow keys.
Mask	Yes
Projector Type	Yes, supports both LCD and DLP projectors
Volume control	Yes, via remote or OSD (on Screen Display)

Security	
Lock-Down Mode	Lock the unit with password entry
Auto Erase Mode	Option to automatically erase internal memory during power down
Anti-Theft	Kensington Lock Port on document camera chassis.
Bolt Holes on Bottom for Mounting	VESA standard 2.95'' x 2.95''

Other	
Weight	5.0 lbs (2.3kg), Ship: 8.0 lbs
Dimensions Operating	11' x 6'' x 11'' (279 x 152.4 x 279 mm) (L x W x H)
Dimensions Folded	7'' x 6'' x 11'' (177.8 x 152.4 x 279 mm) (L x W x H), Ship: 15" x 12" x 7"
Warranty	5 Years (includes lamps)

Compliance	
Standards	FCC-EMI, cUL, CE-EMC, CE-LVD, RoHS, and WEEE

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