

DC166

The Popular Ladibug

Lumens[™]
Inspired Learning

The Lumens DC166 document camera sets the standard for price, performance and features, putting superior image quality and advanced features into the hands of K-12 educators for a mid-range price. Support for SXGA resolution, combined with a power-zoom lens and a large shooting area, allows teachers to captivate students with detailed images and focused examples. Teachers, meanwhile, can keep their full attention on their students, as they show live images of a 3-D object, share a full-page view of an open book or play slide shows using stored images with the press of a button. The camera head and lamp are mounted on separate goose-neck arms to give users the flexibility to examine objects from any angle to further enhance learning.

Key Features

- SXGA resolution and 6x optical zoom
- Enlarged shooting area of 14"x 11"
- Internal memory plus SD card support
- Enhanced security and auto backup
- Integration with interactive whiteboards
- Standalone video recording



"The Lumens visual presenter truly facilitates hands-on learning."

– Jeana Marinelli

Science Teacher, The Academy for Social Action, New York City

Attention Please!

Brilliant teaching happens when the student's attention is captured by readily viewed resources. With the DC166 Ladibug, teachers can bring their materials to life, immediately and easily. The document camera displays crisp text in full-page mode to allow students to read small text, from anywhere in the classroom, while the powerful zoom lens shows the smallest objects in great detail. Support for true SXGA (1280 x 1024) resolution and 6x optical zoom provides superior image quality and crisp text. The large 14 x 11 inch shooting area enables teachers to show students both sides of a book or a full-page document at once, while the full-rotation capability and book mode let teachers quickly zoom into the desired portion of the materials by pressing a single button on the included remote control. Now, teachers can focus on the lesson, and their students, rather than shuffling and repositioning materials.

Effortless Presentation

The DC166 allows teachers to capture still images from materials, books, illustrations, students' work or other objects prior to class in order to ensure effortless and focused presentations. Time-lapse photography capabilities make it possible to capture images with



continuous movement, such as a flower opening or a silk worm coming out of its cocoon. Teachers can then play back captured images as a slide show with the touch of a button or display a captured image alongside a live image for comparison. In addition, educators can record videos directly onto an SD card by simply pressing the record button on the remote, or by using the queue[™] software. Using this feature, teachers can easily record animal dissection, science experiments or other demonstrations for later use.

Hassle-Free Maintenance

For IT departments supporting educators, the DC166 virtually eradicates the need for maintenance and training. Support for USB 2.0, TWAIN and WIA allows the camera to readily function with interactive whiteboards and other classroom equipment. The included queue[™] software, which runs on either a PC or a Macintosh, gives teachers access to added functionality such as annotation capabilities and video recording. In addition, the auto erase feature allows users to share the document camera without security breaches. The unit can be set to automatically erase its internal memory between uses to ensure that confidential material remains secure. Lumens' standard five-year unlimited warranty covers parts and labor, and provides advanced replacement.

Specifications

DC166

IMAGING

Sensor Technology: CMOS
Output Resolution: SXGA (1280 x 1024), XGA (1024 x 768), WXGA (1280 x 800)
Frame Rate: 20 fps (normal mode), 30 fps (special mode)
Zoom Capacity: 6x optical zoom and 4x digital zoom
Capture Area: 14"x 11"

LIGHTING

Lamp Type: Cold cathode lamp provides up to 20,000 lamp life hours
Number of Lamps: One light on an independent gooseneck
Light Box: Optional

INPUT/OUTPUT

Power Supply: Built-in, 100-240 VAC, auto switching
VGA In: Active pass through from the computer
VGA Out: VGA output to the projector
Internal Memory Capacity: Up to 120 JPEG images
External Memory Capacity: Supports SDHC up to 32GB memory
USB Support: USB 2.0 High Speed (up to 480 Mbps) for seamless integration with interactive whiteboards
RS232: 3.5-mm phone jack
C-Video: RCA jack

DRIVERS

Supported Platforms: Linux, Mac OSX 10 and above, Windows XP and Vista
USB Driver: Supports WIA and TWAIN, for integration with interactive whiteboards such as SmartBoard™, Promethean™, Hitachi Starboard™, etc.
Linux Driver: V4L and ALSA
Supported Linux Applications: Xsane, Skype, and GStreamer

queue™ SOFTWARE FUNCTIONS

queue™ Software: Supports PC Windows 2000, XP, Vista and Mac OSX 10 and above
Video Recording: Records video with options for video and audio settings, such as resolutions and compression codecs
Capture Images: Captures and saves images as files
Annotation: Adds annotation directly onto live images or saved images
Controls and Operations: Provides same sets of controls as the remote control

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
Video Recording: One touch, standalone video recording to an SD card
Image Capture: Single or continuous capturing of images (time-lapse photography) to built-in memory, to an SD card, or to a computer via USB
Picture by Picture: Split screen to display captured and live images
Freeze: Yes
Slide Show: FastSlide™ Technology to automatically or manually play back saved images
Slide Show Transition Effect: Five slide show transition effects: shutter/right/down/slide/open
Image Rotation: Full-screen image rotation from 90, 180 to 270 degrees
Pan/Book Mode: Automatically zoom from full page to top-half or bottom-half of the page
Noise Reduction: Dynamic Noise Reduction™ technology to remove DLP projector image noise
Night Vision/Low Light Mode: Yes

SECURITY

Auto Erase Mode: Option to automatically erase internal memory during power down
Anti-Theft: Kensington lock slot available
Mount to Cart: Yes, screw holes provided

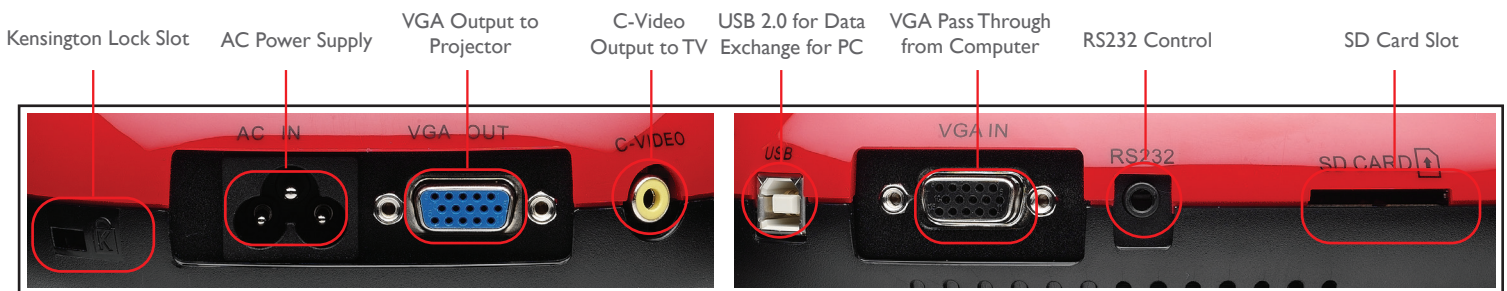
ACCESSORIES

Standard: Power cable, VGA cable, USB cable, C-Video cable, microscope adapters (x3), remote control
Optional: Padded carrying case, light box

OTHER

Weight: 5.0 lbs
Dimension: 18.1" x 5.5" x 15.7" (L x W x H)
Warranty: Five-year unlimited warranty, including consumables
Express Replacement: Free advanced replacement program
Compliance: Lumens visual presenters are in compliance with standards of FCC-EMI, cUL, CE-EMC, CE-LVD, RoHS, and WEEE

I/O CONNECTIONS



Lumens™
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