

# PS660

## High-Definition Multimedia Desktop Document Camera

**Lumens**<sup>™</sup>  
Inspired Learning

The Lumens PS660 is a high-definition document camera with one-touch audio and video recording. The VGA port outputs up to SXGA resolution and the HDMI port outputs up to 1080p resolution. Specifically designed with the needs of educators in mind, the PS660 works seamlessly with interactive whiteboards and connects via High-Speed USB 2.0.



### Key Features

- High-Definition 1080p, UXGA, SXGA, and XGA
- 15x Optical Zoom
- One-touch video/audio recording and playback
- Built-in microphone
- SD card - accepts up to 32 GB
- Compatible with all interactive whiteboards (IWB)
- Time-lapse photography
- Automatic and manual slideshow

# Specifications

# PS660

## IMAGING

**Sensor Technology:** CMOS  
**Output Resolution:** HDTV 1080p, 720p, UXGA (1600 x 1200), SXGA (1280 x 1024), XGA (1024 x 768)  
**Frame Rate:** 20 fps (normal mode), 30 fps (special mode)  
**Zoom Capacity:** 15x 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:** 2 lights  
**Light Box:** built-in, 5" x 4"

## INPUT/OUTPUT

**Power Supply:** Built-in, 100-240 VAC, auto switching  
**HDMI Output:** HDTV 1080p, 720p  
**VGA in:** 2 ports, active pass through from the computer to an external monitor; can switch VGA source between 2 computers  
**VGA Out:** 2 ports, to projector and to monitor (for VGA pass through)  
**Audio In:** Built-in microphone  
**Audio Out:** 3.5mm phone jack for earphones or speakers  
**Internal Memory Capacity:** Up to 240 JPEG images  
**External Memory Capacity:** Support SDHC up to 32GB memory, one SD card included  
**USB Support:** USB 2.0 High Speed (up to 480 Mbps) for seamless integration with interactive whiteboards  
**Extender:** For RS232 and C-Video

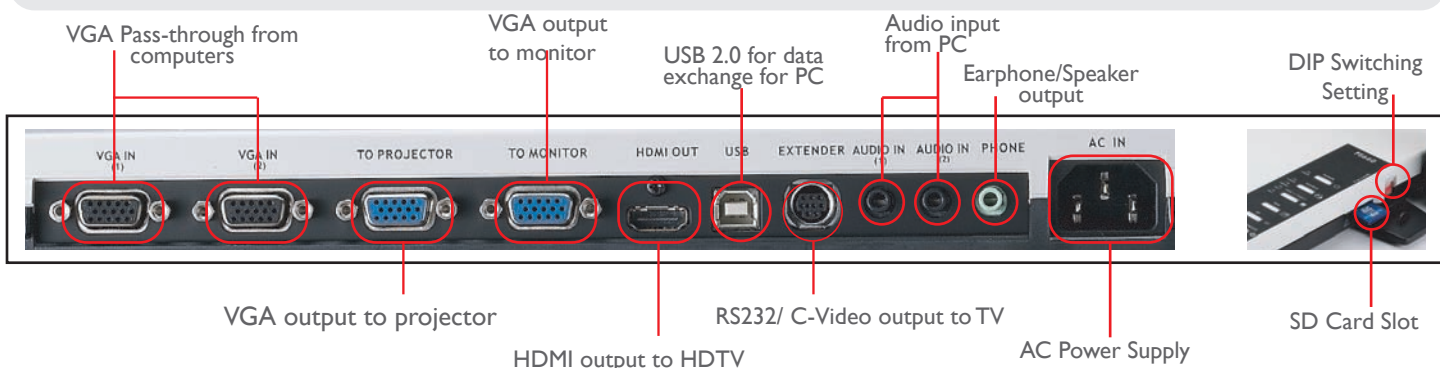
## SOFTWARE

**queue™ Utility:** Included. Support PC Windows 2000, XP, Vista and Mac OS X 10 and above, Linux.  
**Linux Driver:** V4L and ALSA  
**USB Driver:** Support WIA and TWAIN for integration with Interactive Whiteboards such as Hitachi Starboard™, Mimio™, Promethean™, etc.

## 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 slot available

## I/O PHOTO



## ACCESSORIES

**Standard:** Power cable, VGA cable, USB cable, C-Video cable, audio cable, extender adapter, microscope adapters (x3), remote control  
**Optional:** Padded carrying case

## 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  
**Audio and Video Recording:** One touch, standalone audio and video recording with built-in microphone to a SD card or directly to PC/Mac at SXGA, XGA or 720p mode  
**Image Capture:** Single or continuous capturing images (time lapse photography) to built-in memory, to a SD card, or to the computer via USB  
**Picture by Picture (PBP):** Yes  
**Freeze:** Yes  
**Slide Show:** FastSlide™ Technology to automatically or manually playback saved images  
**Slide Show Transition Effect:** 5 slide show transition effects: shutter/right/down/side/open  
**Image Rotation:** Full screen image rotation from 90, 180 to 270 degrees  
**Pan:** 5-step book mode. Automatically zoom from full page to separate quadrants (upper-left, lower-left, upper-right, lower-right)  
**Noise Reduction:** Dynamic Noise Reduction™ technology to remove DLP projector image noise  
**Audio Volume adjustment:** Yes  
**Annotation:** Yes, by using Lumens queue™ software  
**Low Light Mode:** Yes

## OTHER

**Weight:** 12.1 lbs  
**Dimension operating:** 20.5" x 13.8" x 23.2" (L x W x H)  
**Dimension folded:** 20.5" x 13.8" x 6" (L x W x H)  
**Warranty:** 5-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.

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