



TeachCam® Video Presentation Camera

The powerful TeachCam® from ClearOne is a full-motion, color camera, that produces sharp video images with excellent color reproduction. Using either an S-video or composite video connection, you can easily present your video images on a variety of video display devices such as TVs, plasma screens, and projectors, or record your video on a VCR. Connection to a computer requires a video capture card or a USB adapter.

The Ultimate Teaching Tool

In addition to outstanding video images and clear audio, the TeachCam features a built-in light source at the base of the camera—the IllumaBase®. The IllumaBase gives the TeachCam the functionality of a 35 mm slide projector and a microscope, making it an invaluable resource for science classes, art history classes and more. When the IllumaBase is used with the included IllumaBoxes and IllumaSlides, the TeachCam can display 35 mm slides, specimen boxes and microscope slides. The TeachCam also includes a microscope adapter kit



The TeachCam teaching tool is ideal for classroom presentations and demonstrations.

with 26 mm, 28 mm and 34 mm couplers for easy connection to most industry standard microscopes.

The TeachCam's 27" flexible gooseneck with swivel camera head is ideal for users of all ages, making it easy to position the camera for accurate image capture and display. And the camera's six-button keypad provides simple control of image settings.

With its built-in microphone and amplifier, the TeachCam is well equipped to capture and transmit audio for recorded demonstrations or presentations. This audio capability also makes the TeachCam a great choice for videoconferencing.

The TeachCam incorporates all the features and flexibility you need in a classroom setting:

- Built-in IllumaBase LED lighting base for viewing and presenting slides, specimen boxes, and microscope slides without using projectors or microscopes
- Flickerless mode to eliminate flicker and color hunting when the TeachCam is used with fluorescent lighting and microscopes
- Compatible with most monitors, TVs, VCRs, video capture cards, LCD and DLP projectors
- Nordic box carrying case with complete accessory package

TeachCam at Work

Using the TeachCam allows you to turn your class-room into a cooperative and interactive learning environment. From student experiments to instructor demonstrations, the TeachCam provides an easy way to share and record projects for enhanced learning. The TeachCam is also ideal for transmitting images and video to remote locations via videoconferencing. An excellent choice for educators, the TeachCam is easy to use and extremely reliable.

Specifications

Dimensions

7" x 7.5" x 29"
 (18 cm x 19 cm x 73 cm)
 Gooseneck: 27" (65 cm)

Weight

4.3 lb (1.95 kg)

Operating Temperature

14° – 122° F (-10° – 50° C)

Storage Temperature

-4° – 140° F (-20° – 60° C)

Power Supply

12 VDC

Current Consumption

300mA

Image Sensor

1/4" (6.35 mm) CCD

Total Pixels

410 K

Number of Effective Pixels

NTSC: 768 (H) x 492 (V)
 PAL: 752 (H) x 512 (V)

Number of Scanned Lines

NTSC: 525 lines
 PAL: 625 lines

Frames per Second (FPS)

NTSC: 30fps
 PAL: 25fps

Resolution

Horizontal
 NTSC, PAL: Min. 480 TVL (center area)
 Vertical
 NTSC, PAL: Min. 480 TVL (center area)

Signal to Noise Ratio

46dB, Condition: AGC off, weight on

Minimum Illumination

1.5 lux at F2.0

Lens

8 mm C-mount

Focus Range

1/4" – 50' (.6 cm – 15.24 m)

Iris

Electronic

White Balance

Auto

Gain Control

Auto

Sync. System

Internal only

Audio

Integrated condenser microphone with
 preamplifier for line-level output

Connectors

1 S-video output
 1 Line-level (audio) output
 1 Power input

Video Formats

NTSC or PAL

Camera Controls

Adjustable gain control
 Automatic or manual white balance
 Positive or negative color inversion
 Color or black and white selection
 Flickerless mode

Included Accessories

Nordic box carrying case
 28 mm and 34 mm microscope
 couplers
 Custom eyepiece adapter
 Five IllumaSlides
 Two IllumaBoxes
 Camera positioning bracket
 25'/7.6 m and 6'/1.8 m S-video/audio
 cables
 S-video to Composite Adapter
 BNC adapter
 12VDC power supply

Exterior Color

Black

Part Number

910-171-150