ELMO

P10
PERFECT PRESENTER

PRECISE
PRODUCTIVE
P10
PERFECT PRESENTER
PRACTICAL

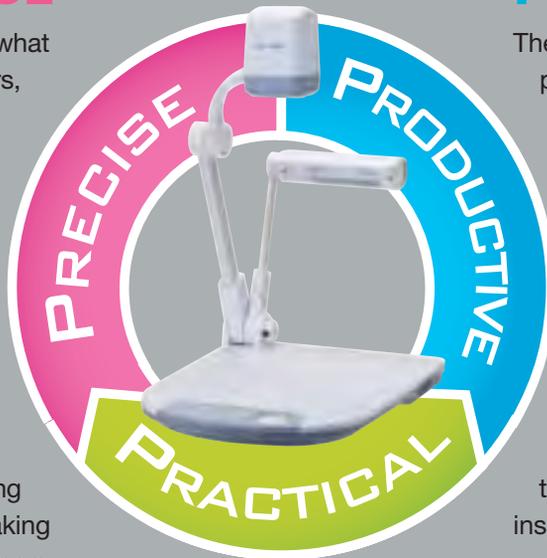## For Perfectly Enlightening Classroom Presentations

Picture It Perfect with ELMO P10

Precise, productive, and practical, the ELMO P10 document camera turns classroom presentations into a springboard for discovery, where just-like-real images—vividly captured down to the finest detail—surprise, stimulate, and inspire.

PRECISE

The P10's precision is what captures true-to-life colors, movement, and images in stunning detail. And when precise, high-quality images are displayed on a big screen in the classroom, students pay attention and the learning begins. ELMO-enhanced lessons make it easier for students to grasp and retain new and often complex information, expanding their knowledge pool and making them better learners.

PRODUCTIVE

The P10's productivity is what puts teachers and students alike on a clear path to discovery and development. The P10 boasts a range of innovative features and partners easily with other educational tools—a projector, a PC, an ELMO Wireless Tablet—to help teachers and students create presentations that take the entire classroom on an inspiring journey of learning.

PRACTICAL

The P10's practicality is what makes this document camera such a user-friendly lesson enhancer. From the simple design of its control panel to the practical convenience of its flexible camera arm, the P10 epitomizes the ELMO commitment to making teacher-friendly educational tools whose every feature is designed with teachers in mind.
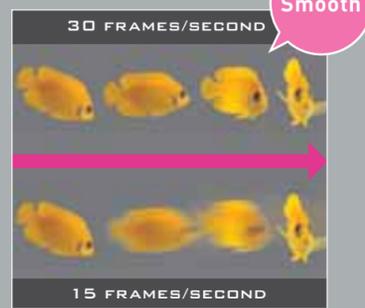
PRECISE

Discover the Details

With its high-resolution images, powerful zoom function, and ultra-smooth motion display, the P10 helps students explore a world of fine details and delicate movements.

Smooth Moving Images at 30 fps

The human eye recognizes 25 fps (frames per second) or above as "normal video." And the P10 reproduces moving images at 30 fps for the display of truly smooth, natural-looking motion.

30 frames/second

Smooth

15 frames/second

High-Quality Images

To capture images in stunningly vivid detail, the P10 employs a precise 1.49-megapixel CMOS image sensor.

Powerful 128x Zoom

When the P10's high-magnification 16x optical zoom is combined with its 8x digital zoom, images can be enlarged up to 128 times for the clear, distortion-free display of even the tiniest details.

16x Optical

P10
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PRECISE
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PRODUCTIVE

Nurture Creativity

Innovative features on ELMO P10 provide plenty of imaginative ways to foster creativity. And using the P10 in combination with other tools, such as the ELMO Wireless Tablet, an ELMO projector, or a PC, extends the realm of discovery.

Teacher Presentations

With ELMO as a partner, teachers can make both moving and still images a visually enticing part of their lessons. Using an ELMO P10 with an ELMO Wireless Tablet sets the stage for creative teaching and focused learning by enabling the simultaneous display of visuals that stimulate student curiosity and teacher annotations that make difficult concepts easier to grasp.

Teacher-Student Presentations

When teachers, students, and ELMO team up for a presentation, interactive learning takes off and creativity soars. The P10 can capture every step of a student science experiment in vivid detail while the entire class looks on, and the teacher guides them through it with annotations and key words written on an ELMO Tablet.

Student Presentations

With ELMO, students can share real-life objects and real-time observations with classmates through self-styled presentations that engage everyone in the classroom. The P10 makes any student drawing, magazine photo, PowerPoint slide, fossil specimen, or lively beetle the centerpiece of interactive learning, and the ELMO Tablet lets students put their own creative mark on presentations.

PRACTICAL

For Easy Operation

Simple Control Panel

Simple by design, the P10's control panel features simplified buttons and LED indicators logically laid out for total ease of use.
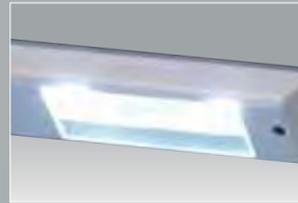
Flexible Camera Arm

The P10 can capture images from any angle, thanks to its adjustable camera arm and head that can be freely raised, lowered, and rotated to focus attention precisely where it's needed.

LED Lamp

Another presenter-friendly feature, the free-angle LED lamp fully illuminates the P10's stage—making it easy to position and light display objects even in darkened presentation rooms—and folds down with the camera for easy storage.

DVI-D and RGB Output Connections

The P10's versatile output connections bring greater presentation freedom and flexibility. The DVI-D connection allows high-quality images to be transferred without any loss of image quality and converted to HDMI signals via a DVI-HDMI cable (not included). The analog RGB outputs in XGA, SXGA, and WXGA resolutions.

DVI-D Out   RGB Out   RGB In   DC Out
Composite Out   DC In 12V   Resolution switch

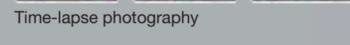## For Effective Presentations

Image Mate Software

The P10's USB port makes it easy to transfer ELMO-captured images onto a PC. And bundled Image Mate software provides the annotation tools for highlighting those images with lines, shapes, and freehand notes. Image Mate software also enables audio-visual recording saved as AVI files and time-lapse photography captured in intervals ranging from one second to 24 hours.

Annotation

Audio-visual recording

Time-lapse photography

SDHC Memory Card Capability

For ultra-easy presenting, images captured on a PC, a digital camera, or the P10 itself can be stored for future use on an SDHC memory card (sold separately).
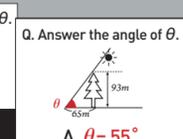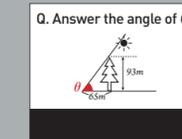
Split screen

For Interactive Lessons

Remote Control

The ergonomic remote control enables easy P10 operation from anywhere in the classroom and brings three handy functions to an ELMO P10 presentation: masking, highlighting, and Picture in Picture (PinP).

Q. Answer the angle of θ.
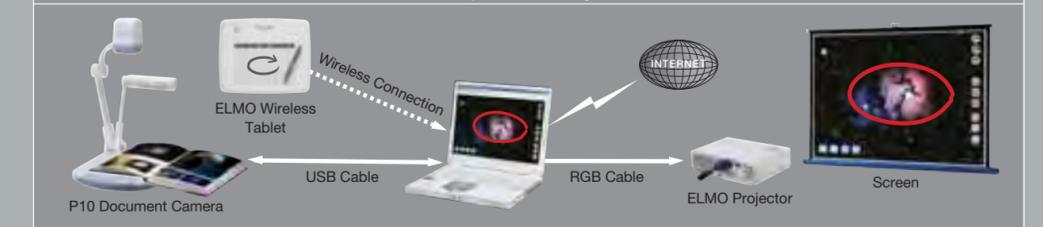
A. $\theta = 55°$

With the mask function, selected parts of presentation images can be hidden from view via screen shading.

The highlight function draws viewers' attention to a particular section of the presentation image.

Live image

Still image

With the PinP function, a quarter-size still image can be displayed along with a live image.

ELMO System Configuration

Wireless Connection

ELMO Wireless Tablet

INTERNET

P10 Document Camera   USB Cable   RGB Cable   ELMO Projector   Screen

P10 Specifications

Model		P10
Camera	Image pick-up device	1/3" CMOS sensor
	Total pixels	1,384 (H) x 1,076 (V)
	Effective pixels	1,280 (H) x 1,024 (V)
	Frame rate	30 fps (max.)
	Resolution — RGB output	800 (H) TV lines or more
	Resolution — Video output	500 (H) TV lines or more
Optics	Zoom	Powered, 16x optical
	Lens	F2.7, f=4.9 mm – 78.4 mm
	Shooting area — Max.	XGA: 16" x 12" (405 x 303 mm) SXGA: 16" x 12 3/4" (405 x 324 mm) WXGA: 16" x 9 3/4" (405 x 248 mm) HDTV: 16" x 8 25/32" (405 x 223 mm)
	Shooting area — Min.	XGA: 1 3/16" x 29/32" (30 x 23 mm) SXGA: 1 3/16" x 15/16" (30 x 24 mm) WXGA: 1 3/16" x 3/4" (30 x 19 mm) HDTV: 1 3/16" x 21/32" (30 x 17 mm)
	Focus	Full-Auto / One-Shot / Manual
Functions	White balance	Auto / One-Push / Manual
	Negative/positive conversion	Provided
	Image mode	Text1 / Text2 / Text3 / Graphics1 / Graphics2
	Edge enhancement	Provided
	Color/B&W selection	Provided
	Freeze (Pause mode)	Provided
	Digital zoom	8x
	Gamma setting	Provided
	Graphical OSD (on-screen display)	Provided
	Slide show	Provided (SD memory card image data)
	Image save	Provided (SD memory card)
	Image rotation	Provided (0°/180°)
	State presetting	Provided (3 presets + power ON)
	Annotation	Provided (on PC screen)
	Brightness control	Auto / Manual
	Scroll	Provided (in digital zoom)
	Mask function	Provided
	PinP (picture-in-picture)	Provided
	Highlight function	Provided
Interface	Input selection	Main / External
	Analog RGB output	XGA (1,024 x 768 @60 Hz) SXGA (1,280 x 1,024 @60 Hz) WXGA (1,280 x 800 @60 Hz) HDTV (1,280 x 720 @60 Hz/50Hz)
	DVI-D output	Provided
	Video output	Composite
	RGB input	Provided (x1)
	USB port	Provided, USB 2.0
	SD memory card slot	Provided (x1)
Lighting	Illumination lamp	White LED
Others	Accessories	Power cord (1.5 m), AC adapter, Analog RGB cable (2 m), RCA video cable (3 m), USB cable (1.8 m), DVI cable (2 m), Remote control with strap, Image Mate CD, Slide shooting adapter, P10 user's guide, Image Mate installation manual
	Power source	12V DC (AC 100 – 240V, 50/60 Hz)
	Power consumption	20W (AC adapter included)
	Dimensions (W x D x H) — Set up	14 13/16" x 19" x 24 1/8" (377 x 482 x 613 mm)
	Dimensions (W x D x H) — Folded	14 13/16" x 19" x 7 3/4" (377 x 482 x 196 mm)
	Weight	9.9 lbs (4.5 kg)

H: horizontal, V: vertical

Design and specifications are subject to change without prior notice.
The images in this brochure are simulated.
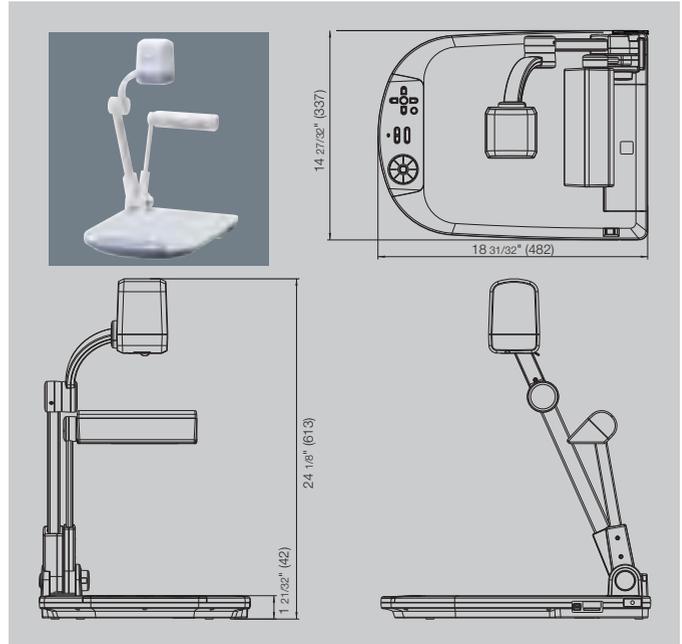"ELMO" is a trademark of ELMO COMPANY, LIMITED.
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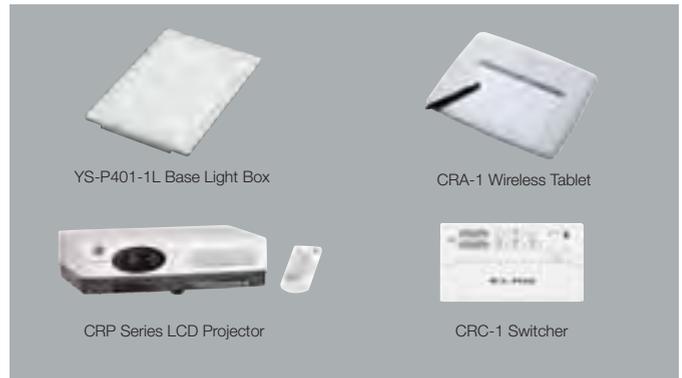## ELMO's Helping to Provide a Greener Future for Our Children

This ELMO product complies with RoHS Directive 2002/95/EC (Restriction Of the use of certain Hazardous Substances in electronic equipment). This compliance helps to ensure a healthier and greener environment for all our children.

Profile

All dimensions in inches (mm)

14 27/32" (337)
18 31/32" (482)
24 1/8" (613)
1 21/32" (42)

Options

YS-P401-1L Base Light Box

CRA-1 Wireless Tablet

CRP Series LCD Projector

CRC-1 Switcher

LET'S Start ICT in Education with "Document Camera"!

Visit the ELMO global website to understand what a document camera is in 13 different languages. The ELMO global website introduces you to the useful and effective ways of using the document camera and how the ELMO document camera is used and supported by teachers worldwide. http://www.elmoglobal.com

世界の子どもにワクチンを 日本委員会

JCV
Japan Committee Vaccines for the World's Children

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JCV operates under basic guidelines and objectives of the Children's Vaccine Initiative (CVI) founded in 1990 by UNICEF, WHO, UNDP, the Rockefeller Foundation, and the World Bank.

ISO 9001
ISO 14001

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digital signage software

Digital signage is about displaying still and moving images onto a display screen or video wall to engage with your audience...

1. Download Repeat Signage software onto your Windows computer

2. Easily create your presentations by inserting your logo, pictures, videos, text, clocks, RSS newsfeeds and other media into the software to promote your activities

3. Connect your computer to a display screen to play your presentations and engage with your audience

Repeat Signage: Howard Park School, UK

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digital signage software
for Windows

Repeat Signage digital signage software helps you get your message across and promote your products or service. It is easy to use and you can create a presentation and have it playing in minutes. Trial download

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