ELMO

L-12i *Interactive Visualiser*

High Quality, Clear & Smooth images

12x *optical zoom!*

Powerful 96 x zoom

Full HD 1080p

30 fps smooth images

A3 Capture Area

3.4 MP CMOS Sensor

Built-in Microphone

Web-Cam Feature

300° Swivel

180° Camera head rotation

300° Arm swivel

Arm rotation

180° Camera head rotation
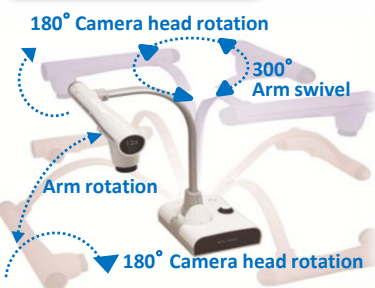
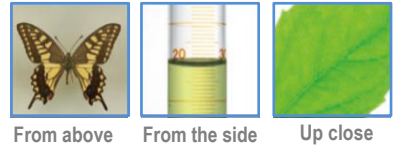### Adjustable Free-Angle Camera Head & Arm

The L-12i can capture images from all directions. The solid camera arm holds its position and is easily operated by both left- and right handed users.

From above   From the side   Up close

Web Cam Feature

"NEW on L-12i"

The new L-12i supports **UVC (USB Video class)** for easy integration with your interactive whiteboard and video conferencing software!

" EASY integration with your IWB!"
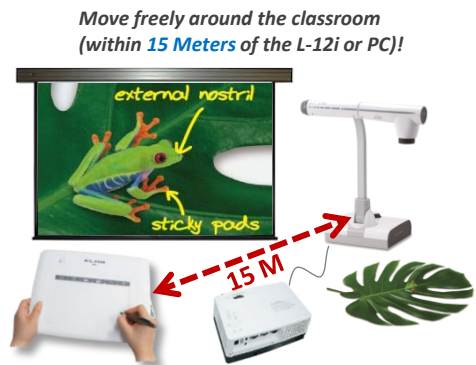
ELMO Wireless Tablet

Annotate on live images remotely!

Partner the L-12i with the ELMO CRA-1 Wireless Tablet. You can **annotate over live images,** as well as **saved images.** Record and play back videos **remotely!**

Move freely around the classroom (within *15 Meters* of the L-12i or PC)!

external nostril

sticky pads

15 M

WITHOUT a computer…
Plug the USB receiver directly into the L-12i for plug & play! Annotate over live images, as well as saved images. Record and play back videos remotely all without a computer!

or

WITH a computer…
Plug the USB receiver into the PC or Mac. Get advanced teaching material creation features with the provided Image Mate Accent software.

Presentation Support Tools

The provided remote control brings convenient interactive functions to classroom presentations!
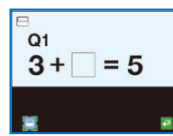
Split Screen
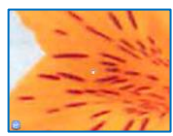Show a still image and a live image simultaneously.

Highlight
Draw attention to a particular section of an image.

Mask
Q1
$3 + \square = 5$
Hide a selected part of an image from view

Scroll
Move and digitally magnify the image instantly

Save Presentations on External Memories

Both **still images (jpg)** and **audio video files (mp4)** can be saved on a **USB memory or SD memory card** for future use. Files may also be saved to a computer using Image Mate software (included).

USB Flash Drive

SD Memory Card

Selectable Output Resolution

The L-12i offers a variety of output resolutions with a simple flip of a switch.

SD/SDHC port
External audio input
USB memory port
Security lock slot

Audio Input & Output

Record high-quality video with audio via the built-in microphone or an external microphone input.

Built-In Microphone

L-12i Specifications

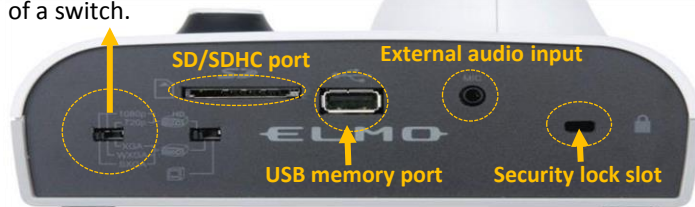| Camera	
Image pick-up device	1/2.8" CMOS 3,400,000 pixels
Total pixels	2,144(H) x 1,588(V)
Effective pixels	1,920(H) x 1,536(V)
Frame rate	30fps
Resolution	Analogue RGB :800(H) x 800(V)TV lines or more
	Video output : 500(H)TV lines or more
Optics	
Zoom	Powered, 12× optical
Lens	F3.2-3.6, f=4.0mm-48.0mm
Shooting area	1080p : Max.420×233mm Min.48.5×27.5mm
	720p : Max.420×233mm Min.48.5×27.5mm
	SXGA : Max.420×334mm Min.48.5×38.5mm
	WXGA : Max.420×259mm Min.48.5×30.5mm
	XGA : Max.420×313mm Min.48.5×36.5mm
Focus	Auto/Manual/Zoom Sync
Functions	
White balance	Auto/One-Push/Manual
Image mode	Text1/Text2/Text3/Graphics1/Graphics2
Edge enhancement	Provided (only for graphics mode)
Pause	Provided
Still image storage	Provided
Video storage	Provided
USB image output	Provided(Elmo original , UVC(USB Video Class))
Digital zoom	8×
Gamma setting	Provided (only for graphics mode)
Graphical OSD(on-screen display）	Provided
Image save	SD memory card/SDHC memory card/USB flash drive
State presetting	Up to 3 user settings
Annotation	Provided(CRA-1 use , CRB-1 use)
Brightness control	Auto(with level adjustment)/Manual
Support Functions	Highlight, Mask, Scroll(in digital zoom), Mosaic Split screen,PinP(Picture-in-Pcture) Colour filter, Microscope, Image rotation(0°/180°) Positive/negative conversion, Colour/B&W selection

Interface	
Input selection	Main/External
Output terminals	RGB output mini D-sub 15-pin connector, femalex1
	Composite video output RCA pin jack/75Ω unbalancedx1
	HDMI output terminal x1
	Line Out terminal 3.5mm-diameter stereo minijack x1
Input terminals	RGB input mini D-sub 15-pin connector, female x1
	Mic In/Line Out terminal (shared), 3.5mm-diameter stereo mini jack x1
Ext. control terminal	USB device (2.0 compliant) Mini-B receptacle x1
Analogue RGB output	1080p : 1,920x1,080@60Hz,
	720p : 1,280x720@60Hz
	SXGA:1,280x1,024@60Hz,
	WXGA:1,280x800@60Hz
	XGA:1,024x768@60Hz
HDMI output	Image output : 1080p/720p
	Audio output : PCM44.1kHz sampling frequency
Video output selection switch	Provided (NTSC/PAL)
Memory interface	SD memory card slot x1, USB host(2.0 compliant) Type A receptacle x1
Lighting	
Illumination lamp	White LED
Others	
Accessories	AC adapter, AC cord, RGB cable, USB cable(for connecting to PC), Remote control, AAA batteries(for remote control), Image Mate CD-ROM, Image Mate installation manual, Instruction manual(CD-ROM), Basic startup guide, Warranty
Security slot	Provided
Power source	12V DC(AC adapter AC100-240V)
Power consumption	16.2W
Dimensions (W×D×H)	355x373.5x426.5mm setup
	195x294x469mm folded
Weight	Approx. 3.2kg (main unit only)

Rear Panel

DC 12V In   Audio Out   HDMI Out   RGB Out   RGB In   Video   USB

Option

Microscope Attachment Lens

L-12i Stage