

**L-1e** visualizer



**Seeing is Believing....  
Retaining and Learning**

**ELMO**  
FOCUS ON THE FUTURE

Elmo visualizers:  
for better and quicker  
understanding ...



See more:  
the L-1e presents a new era of sharp pictures in vivid colour for a variety of applications.

Experience more:  
With the appropriate application of multimedia, teaching can be fun.

Better understanding:  
The combination of seeing, experiencing and hearing makes learning with the L-1e exciting and helps pupils absorb and retain information.



## Learning is fun with Elmo



Times are changing...pupils and teachers now have the possibility to use new teaching media. Pupils are fascinated by digital technology at home – video games etc.. The L-1e is a presentation solution that enables you to bring exciting visual technology into your classroom. The results are dynamic, memorable demonstrations.

Easily create interesting lessons with the Elmo L-1e. The L-1e is space saving and the efficient presentation tool for modern and animated teaching. Demonstrate the fascination of learning and encourage pupils to participate.

Visualize and motivate

The repetition and combination of information lead to a better understanding. The L-1e is an important tool for creative teaching/learning allowing various modes of presentation.

Surprise your pupils.

Would you like to show maps, 3D objects, the various steps of a science experiment or the view through a microscope to a larger group of pupils? With the L-1e all this is made possible – group activities and the presentation of results can be shown in a simple and effective manner.

Transform complicated subject matter into an impressive experience.

The new Elmo presenter L-1e will make this possible. Texts, handwritten notes, printed matter, newspaper clippings with personal notes and markings, – with the L-1e you are always assured of everyone's full attention.

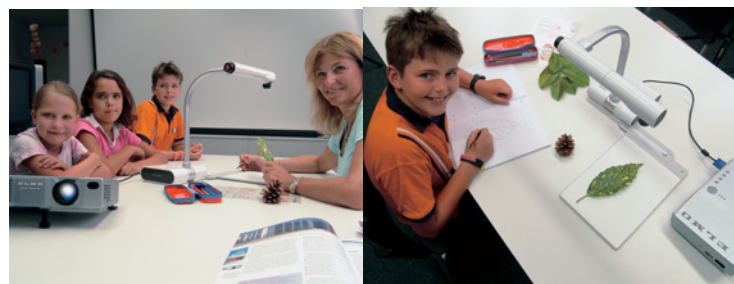
The L-1e will reduce your preparation time, leaving you more time to concentrate on more important matters – your pupils.

# ELMO

Since 1921 Elmo is one of the foremost manufacturers of presentation equipment and CCD cameras, convincing users through highest quality and performance.

Elmo sets technical standards and is committed to manufacture goods in accordance with the highest standards of quality (ISO9001 and ISO 14001). This commitment is realised through the performance and reliability of our products and our customer service.

Elmo Europe GmbH was established in Düsseldorf in 1971 and is part of the global operation of Elmo Company Ltd. The head office is situated in Nagoya, Japan where the products for a world wide presentation and video market are designed, manufactured and sold.

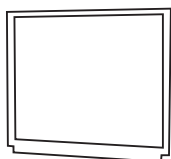


## All you need .....

- Microscope viewing mode
- Versatile input/output connections
- Capture vivid live images at 20fps
- Automatic brightness control
- Highly flexible applications – removable stage and unique, convenient design
- 5,3 x optical zoom with autofocus
- Robust design
- Simple control panel for easy operation
- Future technology at an excellent cost/performance ratio



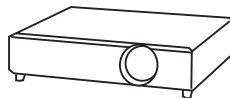
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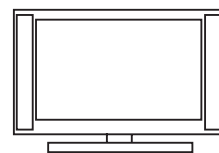
Whiteboard



Notebook



Projector



TV



Microskop

## The L-1e in the classroom

High quality performance in the classroom. The L-1e is not only a modern and portable alternative to the overhead projector, it is a multimedia platform for teacher and pupil. Are you ready for the challenge?

### ■ Microscope viewing mode

Simply connect the L-1e to the eyepiece of a microscope to experience the fascination of the micro cosmos.

### ■ Versatile input / output connections

Use the broad range of application possibilities offered by the L-1e. Directly convert pictures and information from the internet. The L-1e offers standard connections for PC, whiteboard, projector, television or microscope – simultaneously.

### ■ Moving pictures have a greater impact

With a frame rate of 20 fps, the L-1e smoothly captures and displays moving objects in real-time, making hands-on lessons even easier to understand.

### ■ Automatic brightness control

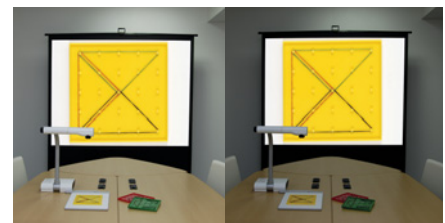
Rely on the built-in camera to automatically adjust changing levels of brightness, ensuring an easy-to-view presentation even in darkened rooms.

### ■ Simple and flexible

The open design of the L-1e is ideal for group work, homework, discussions and team / single presentations. The removable stage is always readily available, portable and easy to use.

### ■ Save time with the L-1e

There is no longer any need to prepare elaborate and costly overhead transparencies, to replace printer cartridges or to scan pictures, samples or the pages of books. All these items can be shown with the L-1e without previous preparation.



## Specifications

General	Merkmale
Power Source	12VDC (AC adapter AC 100-240V)
Power consumption	9W (AC adapter included)
Outside dimensions	W 343 x D 368 x H 411mm (When set up) W 195 x D 368 x H 444mm (When folded)
Weight	Approx. 2.9kg (Main body only)
Input selection	Output terminal
Main / External	RGB output Mini Dsub 15P connector, female x 1 Composite video output RCA pin jack/75Ω'3f unbalanced x1 (NTSC/PAL)
Input terminal	RGB input Mini Dsub 15P connector female x1
Ext. Control terminal	USB (2.0 compliant) Type B receptacle x1

**Main Camera**

General	Merkmale
Lens	f=4.0mm - 21.2mm (5.3 times zoom) F2.0 - 4.5
Frame rate	Max. 20 frames/sec.
Shooting area	Max. 426 x 317mm Min. 93 x 70mm
Limit of focus adjustment	50mm - ∞'38 from lens top
Optical zoom	5.3x
Digital zoom	8x
Focus	Auto / Manual
Image pick-up element	1/3" CCD
Total pixels	Horizontal 1077, Vertical 788 ... Approx. 850.000 pixels
Effective pixels	Horizontal 1024, Vertical 768
Synchronized signal	Internal
Resolution	Analog RGB Horizontal 600TV lines or more, Vertical 600TV lines or more
Video output	Horizontal 400TV lines or more Analog RGB output
Analog RGB	output 0.7V (p-p) 75Ω'3f unbalanced XGA Horizontal frequency 48.363 KHz Vertical/horizontal frequency 60.004 KHz Compliant with VESA Synchronized signal:Negative polarity
Composite video output	Compliant with NTSC/PAL
White balance	Full auto / One-push / Manual
Video output selection switch	Provided (NTSC/PAL)
Brightness control	Auto (level control provided) / Manual
Posi/Nega conversion	Provided
Colour/B&W selection	Provided
Image rotation	Provided (0° / 180°)
Mode	Text1/Text2/Text3/Graphics
Gamma setting	Provided (Only for graphic mode)
Edge enhancement	Provided (Only for graphic mode)
Pause	Provided

\* The above specifications are subject to change without prior notice.

Dealer



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Verband der Bildungswirtschaft



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