

## ATTO USB interface Gel Documentation System

### Specification

### E-Graph

Model	: AE-9000 E-Graph
Camera	: Monochrome CCD camera
Pixels	: 768 X 494 ( approx. 380,000 pixels)
Lens	: 8-48mm Zoom lens, F1.0
Close-up lens	: NO. 3.0
Filter	: Rectangular cassette type YA-3/OY (ND-13 optional)
Gel size	: 40 X 30 to 220 X 165mm
Exposure Time	: 1/30 sec to 4 sec (12 steps)
Saved formats	: CCD(14bit), TIFF(16bit), TIFF(8bit), JPEG(8bit), BMP(8bit)
Interface	: USB 2.0
Control Software	: Image Saver5 (for Windows)
OS Support	: Window Vista, XP, 2000
Visible illumination	: white LED
UV Transilluminator	: TPI-20MP(312nm)
SIZE	: 340 x 280 x 567 mm
White light table	: Flat Viewer (optional)

### Options

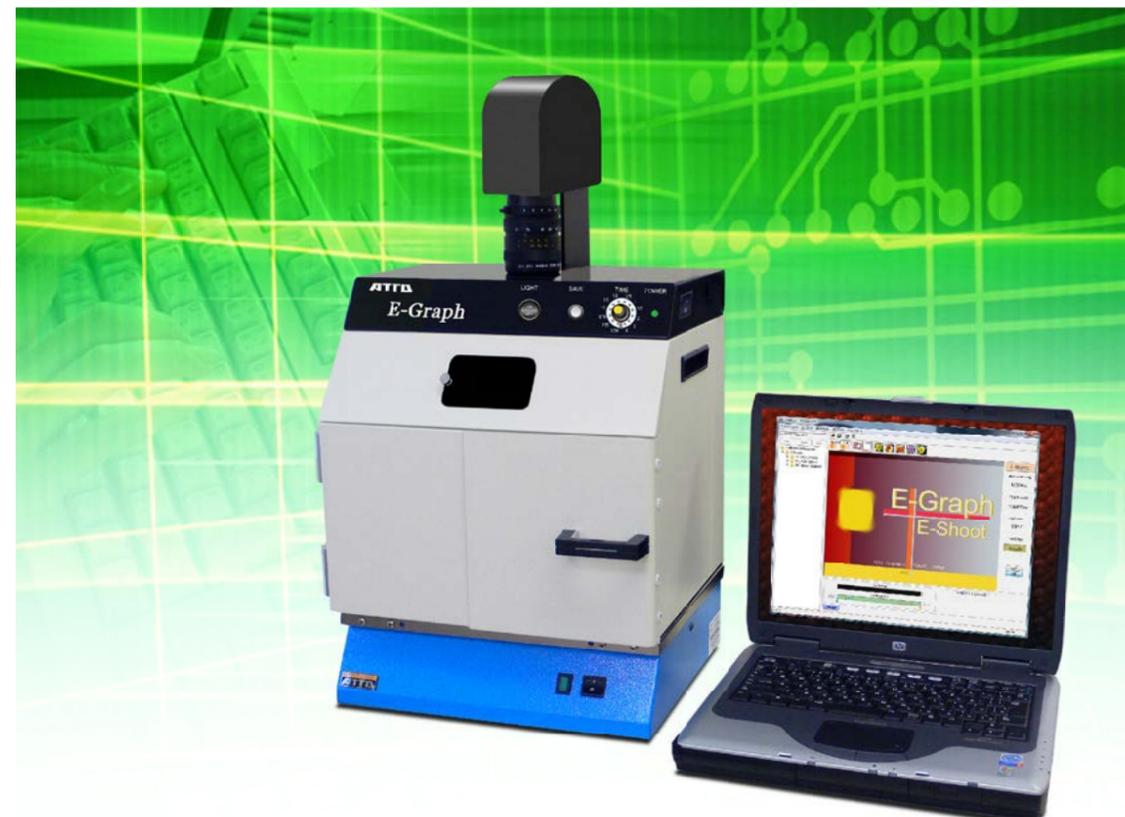
### E-Graph

The TPI-20MP type (312nm) UV Transilluminator is standard. (It can be changed to 254nm CP type or 365nm LP type)  
.Available with a large-size filter at additional cost.

3532170	TPI-26CP	Small type Benchtop UV Transilluminator(254nm), Filter Size 260mm x 210mm
3532171	TPI-26MP	Small type Benchtop UV Transilluminator(312nm), Filter Size 260mm x 210mm

AE-6935 VISIRAYS is a light source for fluorescent excitation that uses visible LED light

2008001	AB-6935B	Visirays-B
2008011	AB-6935GS	Visirays-GS
2008012	AB-6935GL	Visirays-GL
2008060	Filter SCF515	
2130414	Filter YA-3	
2130452	Filter R60	
2130432	ND-13 neutral density filter or ND filter, Rectangular 50mm	
2196160	Flat Viewer (Small white light penetration source), Range of irradiation 210mm x 175mm	



# AE-9000 E-Graph

## Gel Documentation System

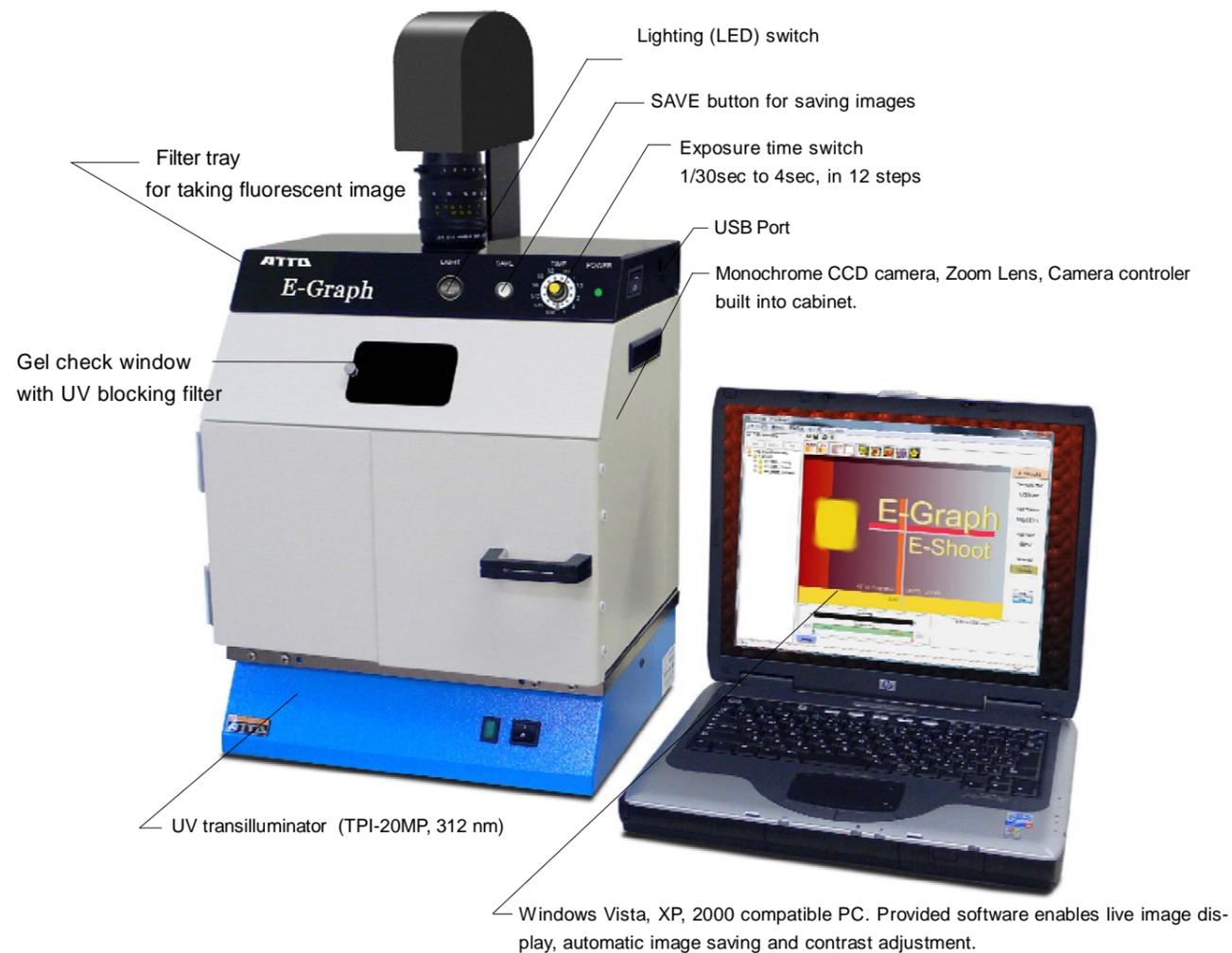
ATTO

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## Product Outline E-Graph

ATTO E-Graph is a gel image capture system with 14 bit A/D convertor (16384 gradations).

The high sensitivity monochrome CCD camera built in E-Graph can take fluorescent image of electrophoretic pattern of DNA. E-Graph connects to a PC by a USB cable. By pressing the SAVE button, the gel images are saved automatically as 14 bit high-quality digital data.



\*The E-Graph comprises the main cabinet(with built-in camera controller), UV transilluminator and image capture software.

\*Windows 2000, XP or Vista compatible PC which supports USB2.0, is not included.

\*Installation and setup adjustment are available at additional charge.

## Features E-Graph

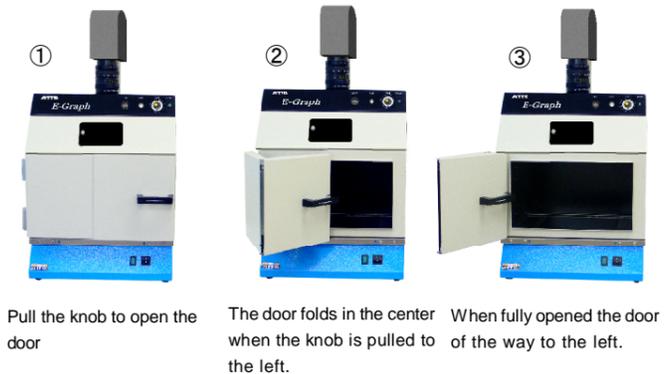
By just pressing the "SAVE" button, you can take a fluorescent image at the set up exposure time and save it to the PC automatically as 14 bit high-quality data. Images can also be saved as a 16 bit TIFF format.

Cabinet, camera controller, high-sensitivity monochrome CCD camera, UV transilluminator (TPI-20MP, 312 nm), 6 x optical zoom lens.

Note: It is necessary to start up previously the image capture software.

## Cabinet Door E-Graph

The cabinet door can be easily opened and shut with one-hand.



## Easy set up and Operation E-Graph

Step ① Install an ImageSaver5 software

Step ② Connect E-Graph to PC with USB cable and install the device driver

Step ③ Take Gel image by E-Graph

The gel image is taken on the standard supplied UV transilluminator. Two kinds of filters can be used, YA-3(For EtBr:560 nm) and OY (For SYBR Green:540 nm). Please select the appropriate filter for the fluorescent dye.



## EASY OPERATION

- Start up E-Graph • ImageSaver5 start up
- ↓
- Put a sample gel into the cabinet
- ↓
- Adjust Focus, zoom, gel position adjustment
- ↓
- Power on the UV transilluminator:
- Adjust Exposure time and Iris adjustment
- ↓
- Push the 「SAVE」 button
- ↓
- The image is saved to PC automatically

