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An Endress+Hauser Company

Technical Data Sheet

UVP GelSnap
Gel Documentation – BioImaging System

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UVP GelSnap

General Description

- UVP GelSnap is an automated imager controlled through VisionWorks® App.
- The system is our first cellphone based fluorescent imager tailored to the academic community; in which users can use their own cellphone for imaging and analysis.
- The imager features the following:
    - Option to purchasing unit with UVP Visi-Blue™ LED Transilluminator to allow 460-470nm blue transillumination
    - Four (4) slot automated emission filter-tray with one emission filter included.
    - Overhead UV LED at 30nm, white light and blue light EPI-Illumination
    - Phone holder/adapter to use multiple phone types with the system
    - Bluetooth connection will be available to connect system with the phone
- Safety features:
    - Integrated shutoff UV door Safety switch
- Imager is modular allowing the addition of accessories:
    - UVP UV Elite Transilluminator at 302nm
    - UVP Visi-White™ Converter Plate
    - UVP Visi-Blue™ Converter Plate
- VisionWorks® App features:
    - Capabilities of VisionWorks® Touch software; including acquisition and analysis.
    - Allows full control over the bioimaging system through your smartphone.

About VisionWorks® App and its Applications

Enjoy all the capabilities of our VisionWorks® Touch software on your smartphone by using our new VisionWorks® App (available for iOS and Android). Our new VisionWorks® App is a powerful software that allows the capture of gel images and analysis through your cellphone while having full control of the darkroom. This feature makes the UVP GelSnap, the perfect match for the educational market. The system can be used, but is not limited, to the following applications: Colony Counting, DNA gel, RNA gel, and protein gel capture and analysis.

Darkroom

Filter Tray	4-slot filter wheel
Illumination	Overhead UV LED, Epi-Blue, and Epi-White
Filter and Illumination Control	Fully automated through VisionWorks® App
Transilluminators available	UVP UV Elite Transilluminator at 302nm UVP Visi-Blue™ Transilluminator at 460-470nm
Max. Sample Area	16.8 x 21cm
Connectivity	Darkroom will be able to connect to user's cellphone via Bluetooth for full control

Lighting Modules

	EPI Light Source	Excitation Wavelength (peak)	Positioning
UV	LED	302nm	Overhead
Blue	LED	460nm	Overhead
White	LED	N/A	Overhead

UVP Elite UV Transilluminator Configuration (separate accessory)

Filter Size	16.8 x 21cm
Wavelength Transilluminator	302nm
Emission Filters	Included Broad Band filter, 535 – 660nm
Converter plates (optional accessory for purchase)	UVP Visi-Blue™ Converter Plate (UV to Blue) UVP Visi-White™ Converter Plate (UV to White)

UVP Visi-Blue™ Transilluminator Configuration (available for purchase)

Filter Size	16.8cm x 21cm
Wavelength Transilluminator	460-470nm
Emission Filter	Included Amber filter, 570nm – 740nm

Additional Technical Data

Cellphone Compatibility	Compatibility with an extensive range of cellphones with single or multiple lenses. Phone-case compatibility: Transparent and opaque cellphone case. *Cellphone must allow Bluetooth communication
Size (W x H x D)	17.5 x 15 x 14 inches 44.5 x 38.1 x 35.6 cm
Fuses	Fuse 3.15A for darkroom. 2 Required.
Power Supply	230V, 50/60 Hz, 1.55 Amps at 230V 100/115V, 50/60 Hz, 3.1 Amps at 120V Mains supply voltage fluctuations are not to exceed 10 percent of nominal supply voltage
Operation Conditions	5 °C to 40 °C, max. 80 % air humidity for temperatures up to 31 °C, decreasing linearlyto 50 % maximum relative humidity at 40 °C. Max. 2000 m NN.
Certifications	Pending

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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct.
If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.