

Supporting a wide range of Sony CCD sensors, these flexible cooled cameras meet the needs of most scientific OEM and microscopy users. The VS-825 series is the ideal versatile solution for any low light application. The design of this camera with its small foot print provides the benefit of simplifying the designer's task of integration and is emblematic of Atik's design philosophy of providing advanced, user-friendly imaging technology.

The VS-825 models can be customised to suit the requirements of specific OEM applications with integration assistance from our in-house engineering team, so please contact us to discuss your needs.

### Key Benefits

- Take multiple images in quick succession
- High levels of reproducibility of images
- Reliable and robust
- Customisable to your specific requirements
- Low dark current ensures highest quality images under low light conditions.

### Key Features

- 16 bit low noise mode
- Faster image acquisition at 6MPixels
- Extended operating range with -35°C cooling delta
- Argon back-filled sensor chamber
- 8 bit mode for faster image acquisition
- Live view provides up to 24 fps for easy focussing
- Asymmetric pixel binning for spectroscopy applications
- Manufactured at our ISO 9001 accredited European premises
- Available as a board set

### Software Development Kit (SDK)

- C++ Library covering all camera functions
- .net Wrapper
- ImageJ plug in
- LabView Driver
- Linux Driver
- Visual Basic wrapper

Atik VS-825	
<b>Sensor Mono</b>	Sony ICX825 (1.4MP)
<b>Horizontal resolution</b>	1391 pixels
<b>Vertical resolution</b>	1039 pixels
<b>Pixel size</b>	6.45 μm x 6.45 μm
<b>ADC</b>	16 bits
<b>Readout noise</b>	5.5e- typical
<b>Gain factor</b>	0.30e-/ ADU
<b>Full well</b>	~18,000e-
<b>Dark current</b>	~0.005 electrons/second at 0C
<b>Interface</b>	USB 2.0 Type B High Speed
<b>Power requirements</b>	12v DC 1A
<b>Maximum exposure</b>	Unlimited
<b>Minimum exposure</b>	1/1000 s
<b>Cooling</b>	Thermoelectric Peltier module
<b>Weight</b>	340 gr
<b>Backfocus</b>	13mm ±0.5

### Available Accessories

- Universal Power Supply (90-240VAC)/DC 12V

**Ordering Code** ATK0213

**For enquiries, please contact:**

**Atik Cameras**

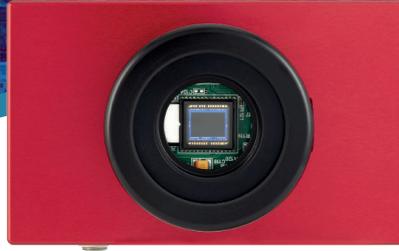
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Norwich, NR9 3LZ, United Kingdom

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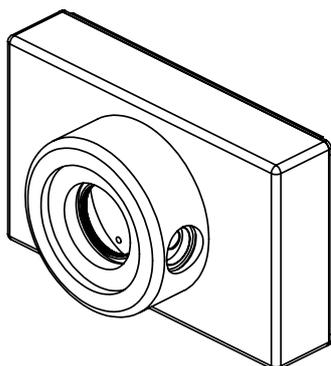
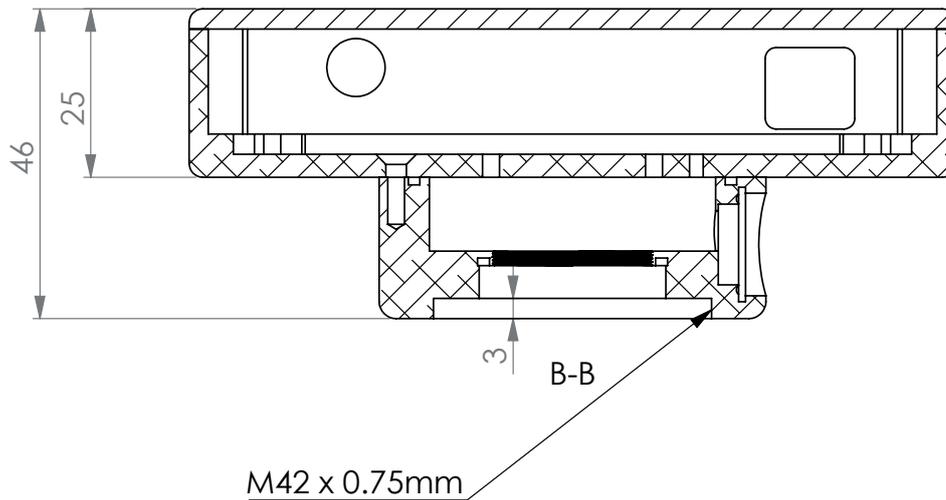
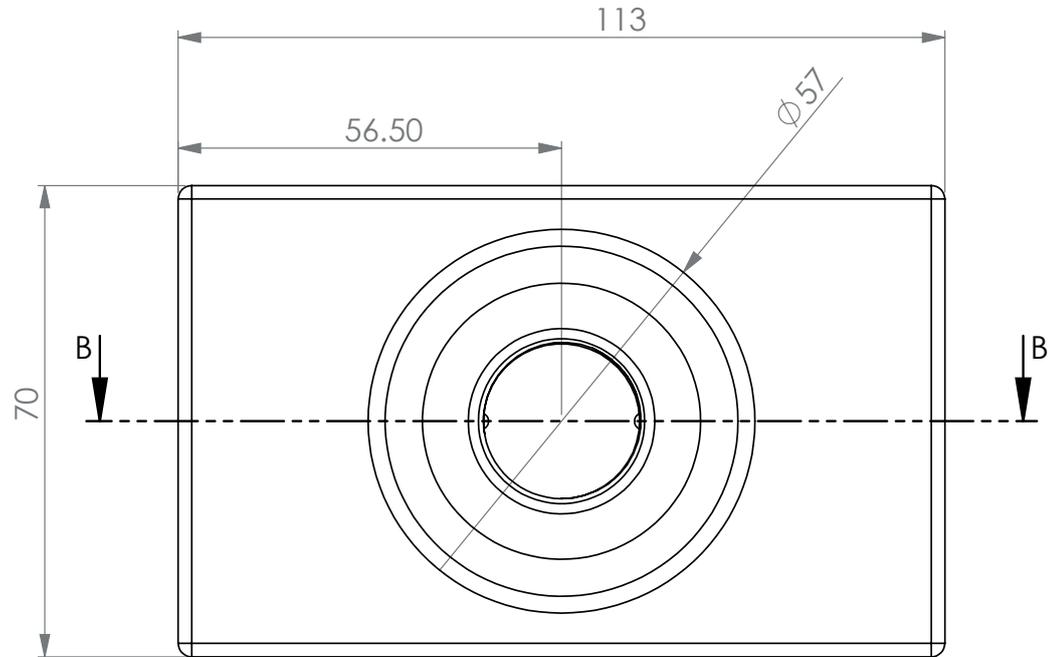
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**Mechanical Drawing**



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