

The compact form factor combined with optimised cooling performance of Sony's CMOS IMX428, 7.1MP sensor makes this camera ideal for scientific imaging. Due to the premium design of the ACIS 7.1 from our in-house R&D team, the camera features low read out noise electronics and high quantum efficiency, and will provide reliable imaging performance ideally suited to applications where a wide field of view is required as a result of low light conditions. The anodised case is specifically designed for maximum EMC performance in an imaging system environment.

The ACIS 7.1 comes complete with a comprehensive software development kit and is also fully compatible with many third party image acquisition programs.

The base level ACIS 7.1 can be customised to suit the requirements of specific OEM applications so please contact us using the details below if you would like any modifications.

## Key Features

- USB3 connection
- Sony IMX 428 CMOS sensor
- Manufactured at our ISO 9001 certified European premises
- The 7.1mp sensor is housed in a dried, air-tight environment
- Three different modes available
- Available as a board set camera
- BK7 optical window with BBAR coatings on both sides

## Software Development Kit (SDK)

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

## Atik OEM ACIS 7.1 M Pixel

<b>Sensor Mono</b>	Sony IMX428 LLJ-C
<b>Sensor Colour</b>	Sony IMX428 LQJ-C
<b>Sensor Diagonal</b>	17.6 mm
<b>Sensor Format</b>	CMOS 1.1"
<b>Resolution H</b>	3208 x pixels
<b>Resolution V</b>	2208 x pixels
<b>Pixel L &amp; W</b>	4.5 $\mu$ m
<b>Noise</b>	5e- (Typical)
<b>ADC</b>	12 bit
<b>Cooling</b>	T(amb)-35°C (Regulated)
<b>Dark Current</b>	0.03e-/p /s at -10°C
<b>Back Focus</b>	12.5 mm $\pm$ 0.5
<b>Weight</b>	Approximately 530g
<b>Interface</b>	USB 3.0
<b>Power</b>	12VDC 2A (Centre positive)

## Key Benefits

- High speed communication with other devices
- CCD rivalling sensitivity, CMOS price
- Reliable and robust
- Condensation free imaging
- Enhanced versatility due to mode switching
- Customisable to your specific requirements
- Reflection free imaging

## Available Accessories

- Universal Power Supply (90-240VAC)/DC 12V
- C-Mount lens adaptor

## Ordering Codes

<b>Atik OEM ACIS 7.1-C</b>	colour
<b>Atik OEM ACIS 7.1-M</b>	mono

## Service Item

- Desiccant Cartridge



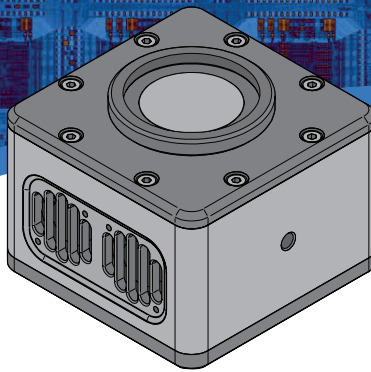
海纳光学

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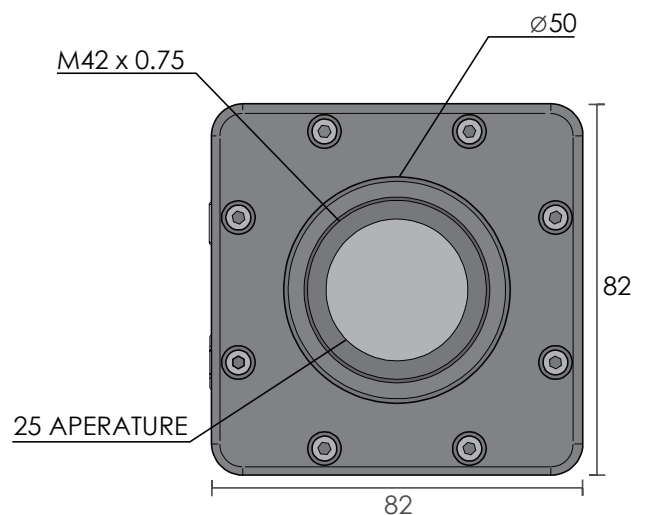
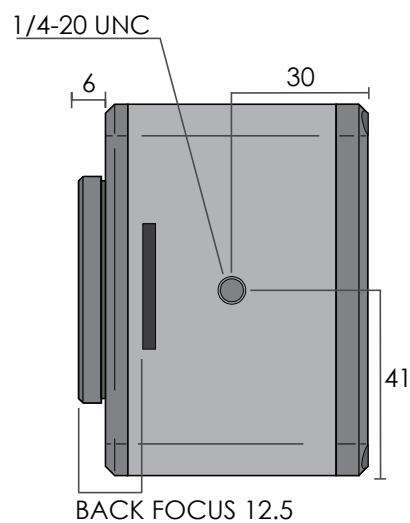
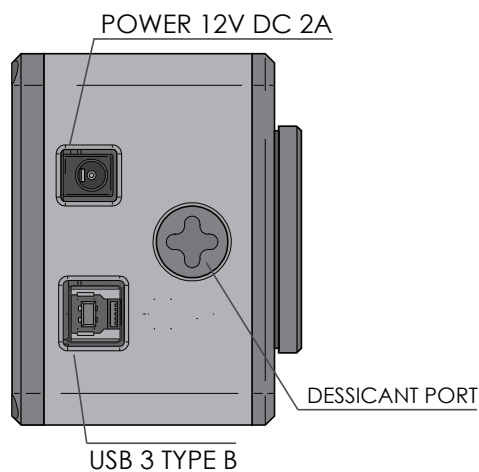
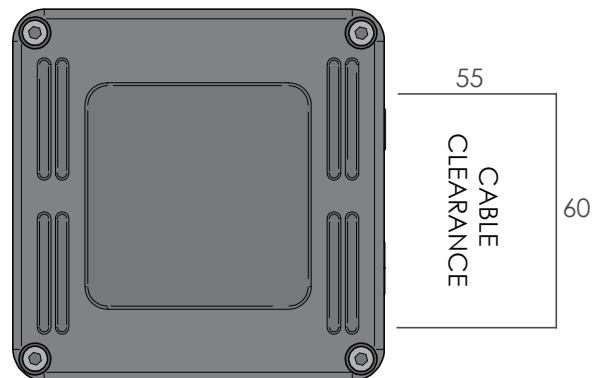
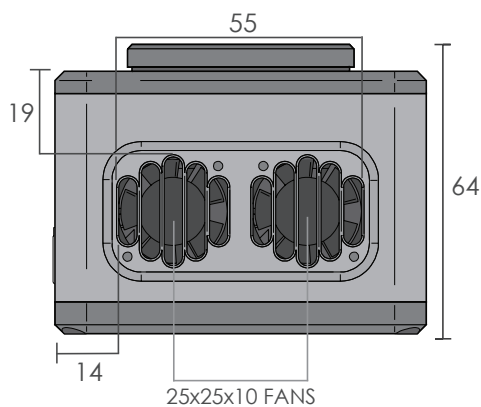


OEM ACIS 7.1



## ACIS Mechanical Drawing

ALL DIMENSIONS IN mm



For enquiries, please contact:

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