

Digital high speed camera

HAS-D72



**2,000 frames/second at
1,300,000 pixels (1,280 × 1,024)
High resolution imaging enabled
by a new image sensor**

The HAS-D72 is a high resolution, high-speed digital camera equipped with a new image sensor.

Maximum 2,000 frames/second can be achieved at 1,280 × 1,024 pixel imaging.

- 2000fps high speed imaging at 1280 × 1024
- Max 16,000fps at 1,280 × 116 pixel
- The high-speed USB 3.0 interface will give you a smooth flow of data
- A multi-camera setup is available with external synchronization and trigger
- Best for stereo PIV and stereo 3D experiments
- Easy operation and tablet GUI with multi-camera recording and viewing software
- PC-less recording is possible with hot swap function
- Well suited for sports science

2,000 frames/second at 1,280 x 1,024 pixels

A new high-resolution image sensor enables brilliant high-speed imaging.

Configuration example



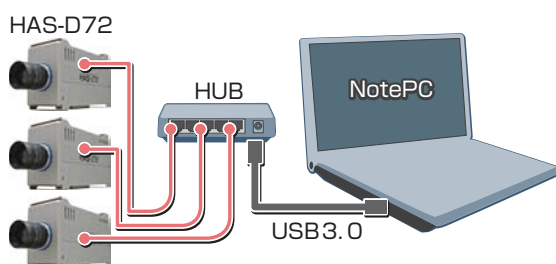
- ▶ Camera head
- ▶ Software
- ▶ USB3.0 cable
- ▶ AC adapter
- ▶ Trigger cable

Frame rate and image size

SIZE	H	1280	1280	1280	1280	1280
FPS ↓	V	1024	768	480	240	116
2,000		●	●	●	●	●
4,000				●	●	●
8,000					●	●
10,000						●
16,000						●

Connection diagram

Multi-camera imaging



Camera control software

Easy control is possible with touch panel layout support. A number of functions such as live view rotation / grid display / gain / gamma / bit shift / white balance / pixel interpolation are available by one action.



Specifications

Camera	
Camera type	Monochrome 12bit / Color 36bit
Sensor type	CMOS
Effective resolution	1,280 X 1,024 (SXGA)
Sensor format	1 / 1.8 inch
Lens mount	C-mount
Interface	USB 3.0
Shutter speed(exposure time)	Minimum 1 μ
Sensitivity	6.8V/lx. s (mono) / 3.4V/lx. s (color)
Power delivery	12pin AC (battery as option) / 12V
Electric requirements	24 W
Body weight	1.2 kg(8GB model)
Body size	73mm × 118mm × 187.4mm
Recording memory	8GB (16GB as option)
Supported trigger	TTL & switch
Camera control software	
Display mode	Live / Stop / Playback
Recording mode	Normal / Endless loop / Hot swap
Trigger mode	Start / End / Variable / random
Supported image format	AVI, WMV(video), BMP, JPEG(sequential still image)
Supported OS	Windows 7, Windows8 / 8.1, Windows10

*Specifications and external appearance may be subject to change without notice.



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