

*Digital high speed camera***HAS-D71**

## **8,000 fps at VGA resolution High sensitive imaging enabled by a new image sensor**

**The HAS-D71 is a high sensitive digital high speed camera equipped with a new image sensor. It can handle 640 × 480 pixel resolution imaging at frame rates up to 8,000 fps. High sensitive sensor enables clear high speed photography even in low light condition.**

- 640 x 480 pixel resolution imaging at 8,000fps
- Max 120,000fps at 640 x 12 pixel
- Fits Perfectly in low light condition
- High speed USB 3.0 interface will give you a smooth access
- Multi camera setting is able by external synchronization and external trigger
- Best for stereo PIV and stereo 3D experiments
- Easy operation and tablet GUI with your companion recording and viewer software
- PC-less recording is possible with hot swap function

640 × 480 pixel resolution at 8,000 fps  
 High-speed imaging up to 120,000 fps  
 A new high-sensitive image sensor enables brilliant high-speed imaging.

### Product components



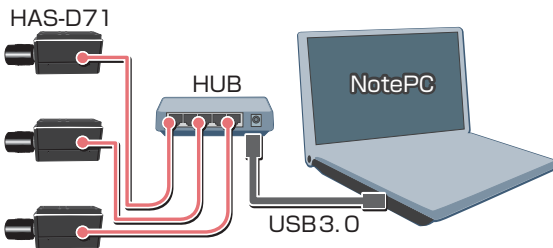
- ▶ Camera head   ▶ Software   ▶ USB3.0 cable
- ▶ AC adapter   ▶ Trigger cable

### Frame rate and image size

SIZE	H	640	640	640	640	640
FPS ↓	V	480	240	116	44	12
8,000		●	●	●	●	●
10,000			●	●	●	●
16,000			●	●	●	●
20,000				●	●	●
30,000				●	●	●
50,000					●	●
60,000					●	●
120,000						●

### Connection diagram

#### Multi-camera imaging



### Camera control software

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



### Major specifications

#### Camera

Camera type	Monochrome 12bit / Color 36bit
Sensor type	CMOS
Effective resolution	640 X 480 (VGA)
Sensor format	1 / 1.8 inch
Lens mount	C-mount
Interface	USB 3.0
Shutter speed(exposure time)	Minimum 1 μ
Sensitivity	38V/lx·s (mono) / 20V/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 x 118mm x 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	Windows7, 8, 8.1(32 or 64bit)

\*Specifications and external appearance are subject to change without notice.

**DITECT**  
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