

*Digital high speed camera*  
**HAS-D73**



**HAS-D73 is a digital high speed camera equipped with a new image sensor.  
1280x1024 resolution is possible with up to 2,000fps.  
Simple connection with laptop PC by USB3.0 cable.**

- Capable of 2,000fps at 1.3 mega pixel (1280x1024)
- High-speed interface enables live video confirmation without delay
- Available to split a single video file and save as several video files
- Play back of slow motion video is available immediately after recording
- Support multi-camera synchronized shooting with external synchronization and external trigger
- Suitable for stereo 3D measurement and stereo PIV measurement
- Standard camera control software makes multi-camera video confirmation and control easy
- With a clear GUI that is conscious of tablet PCs, highly flexible field operation is possible

# 1280x1024 pixels at 2,000fps

## Well balanced between frame rate and resolution

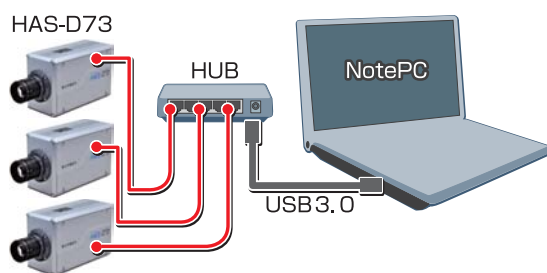
### Frame rate and image size

| SIZE▶                        | H | 1280 | 1280  | 1280  | 1280  |
|------------------------------|---|------|-------|-------|-------|
| FPS▼                         | V | 1024 | 480   | 240   | 116   |
| 500                          |   | ●    | ●     | ●     | ●     |
| 1000                         |   | ●    | ●     | ●     | ●     |
| 2000                         |   | ◎    | ●     | ●     | ●     |
| 4000                         |   |      | ◎     | ●     | ●     |
| 8000                         |   |      |       | ◎     | ●     |
| 10000                        |   |      |       |       | ●     |
| 15000                        |   |      |       |       | ◎     |
| Maximum number of frames     |   | 6551 | 13978 | 27959 | 55921 |
| Maximum recording time (sec) |   | 3.27 | 3.49  | 3.61  | 3.72  |

\* Maximum recording time is in case of maximum frame rate for each image size (◎ in the table).

### 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 are available by one action.



### Specifications

#### Camera

|                      |  |
|----------------------|--|
| Camera type          | Monochrome (HAS-D73M) / Color (HAS-D73C)         |
| Sensor type          | CMOS   |
| Effective resolution | 1280x1024 (SXGA)                                 |
| Sensor format        | 1 inch   |
| Lens mount           | C-mount  |
| Interface            | USB3.0   |
| Exposure time        | Minimum 1 $\mu$ sec                              |
| Sensitivity          | 20V/lx.s (mono) / 6V/lx.s (color)                |
| Power delivery       | DC12V (12pin connector) / AC adapter (accessory) |
| Body size            | 82x110x185mm                                     |
| Electric requirement | 20W  |
| Body weight          | 1,320g (8GB model)                               |
| Recording memory     | 8GB (16GB as option)                             |
| Supported trigger    | TTL / Contact signal                             |

#### Camera control software

|                        |   |
|------------------------|---|
| Display mode           | Live / Stop / Playback                  |
| Recording mode         | Normal / Endless loop                   |
| Trigger mode           | Start / End / Variable / Motion trigger |
| Supported image format | AVI, WMV, MP4, BMP, JPEG, PNG           |
| Supported OS           | Windows 7 / 8.1 / 10                    |

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



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