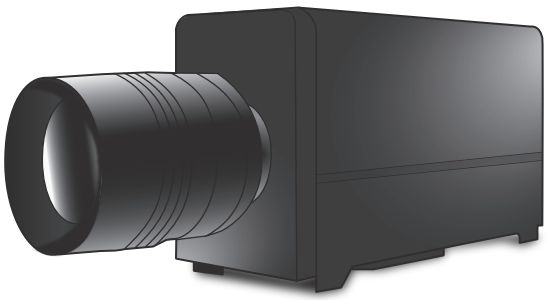
D/1/T/E/C/T
Digital Image Technology

High sensitivity / High speed cameras

HAS-D71 / HAS-D72

Hardware settings user manual

This manual provides safety installation instructions.
Please read this manual thoroughly before using.



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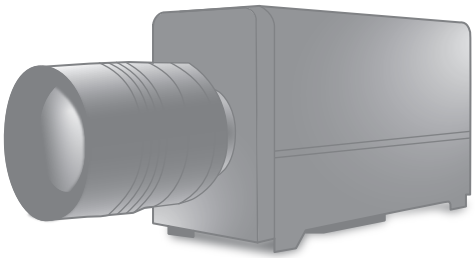


— Introduction —

Thank you very much for your purchase.
Please read this manual throughly before installation and operation, and keep this manual for future reference.

— Important safety instructions —

⚠ Caution for safety

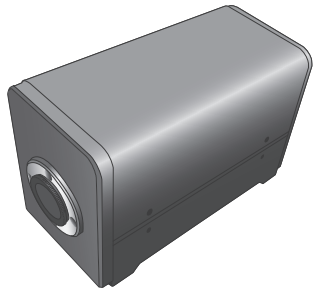
- Be aware that while the device is equipped with a cooling fan, the interior components may still be not.
- Make sure that flammable and combustible materials are not around the device.
- When you are not using the camera, please disconnect the power cable.
- Do not handle plug or appliance with wet hands.
- When plugging or unplugging the cable, ensure that AC power is turned off.
- If your device needs repair, please contact our technical support center.
- Do not disassemble or modify HAS-D71 • HAS-D72.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

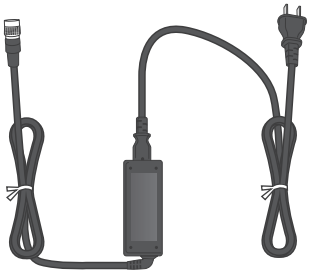
List of included items

1 Camera body
2 AC Power cable
3 USB3.0 cable
4 Sync master cable※
5 Trigger button※
6 Software CD
7 Sync slave cable※
8 External sync cable※
9 Battery※
10 Hight brightness LED strobe※

※= optional accessory

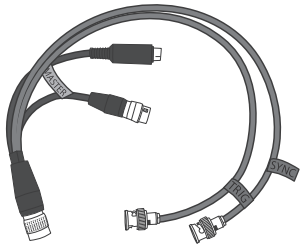


1 Camera body

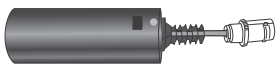


2 AC Power cable

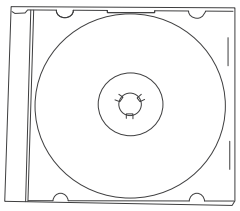
3 USB3.0 cable



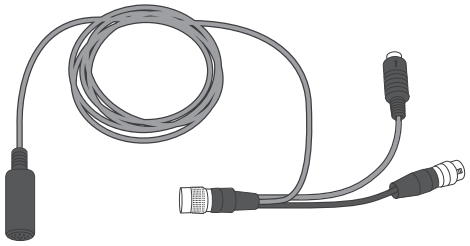
4 Sync master cable
(FST-SYNC-MST-1)



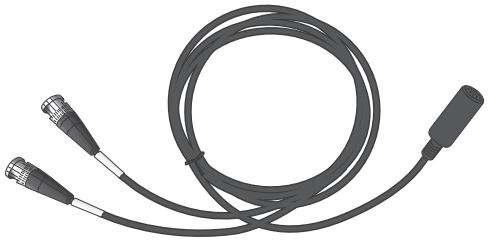
5 Trigger button※
(BNC-SW)



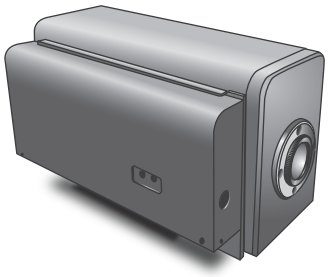
6 Software CD



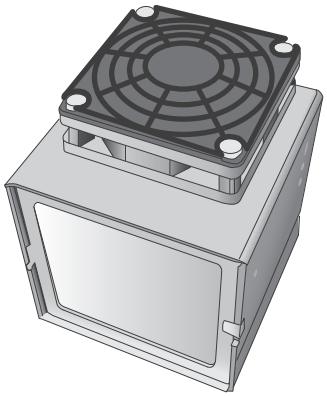
7 Sync slave cable※
(FST-SYNC-SLV)



8 External sync cable※
(MD8S-BNCx2)

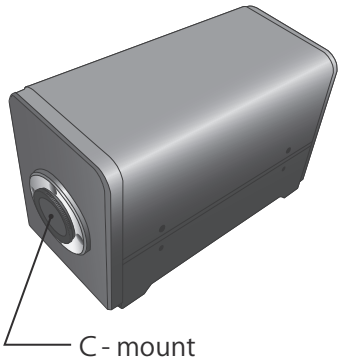


9 Battery※

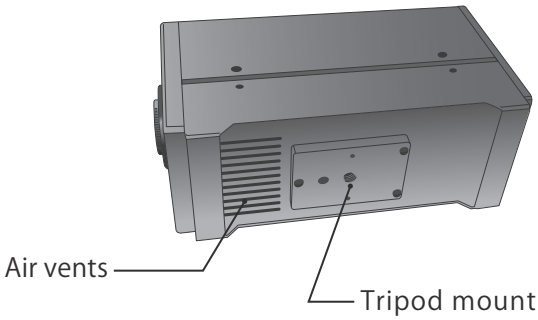


10 Hight brightness LED strobe※

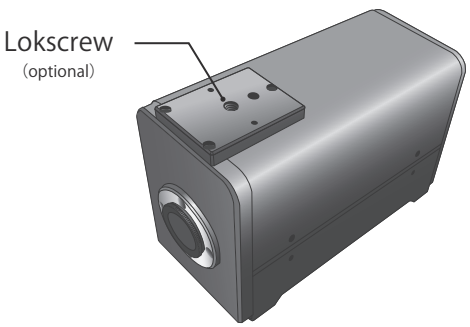
Parts name



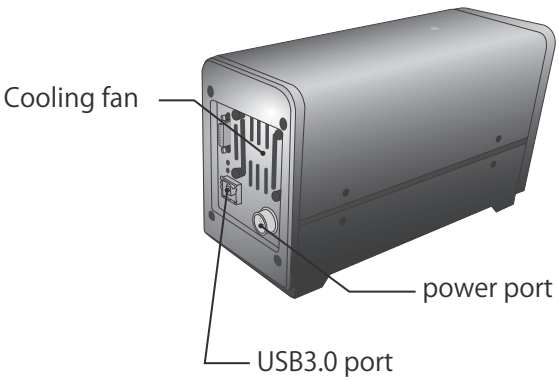
1 Front



2 Bottom



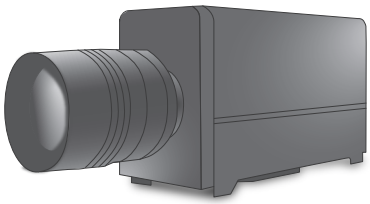
3 Top



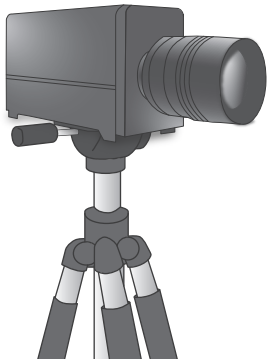
4 Rear

Setting up procedures

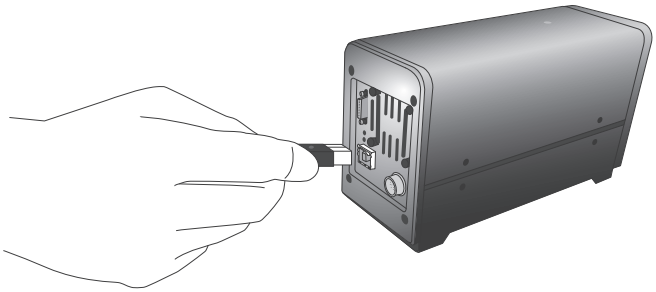
① Attach C-mount lens and remove the lens cover



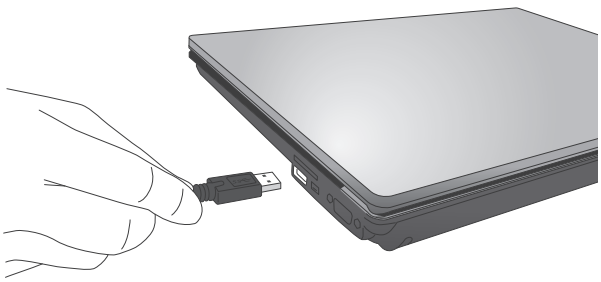
② Make sure that the camera is firmly attached to a tripod.



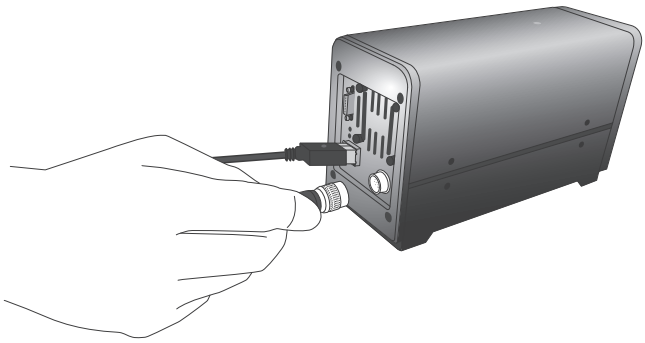
③ Connect USB3.0 cable (Standard-B) to the camera.



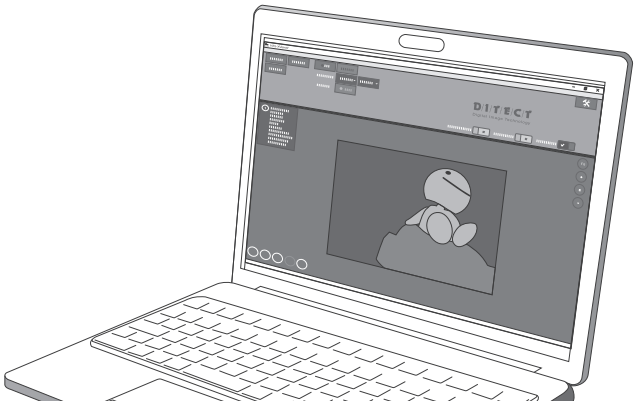
④ Connect USB3.0 cable (standard-A) to your PC.



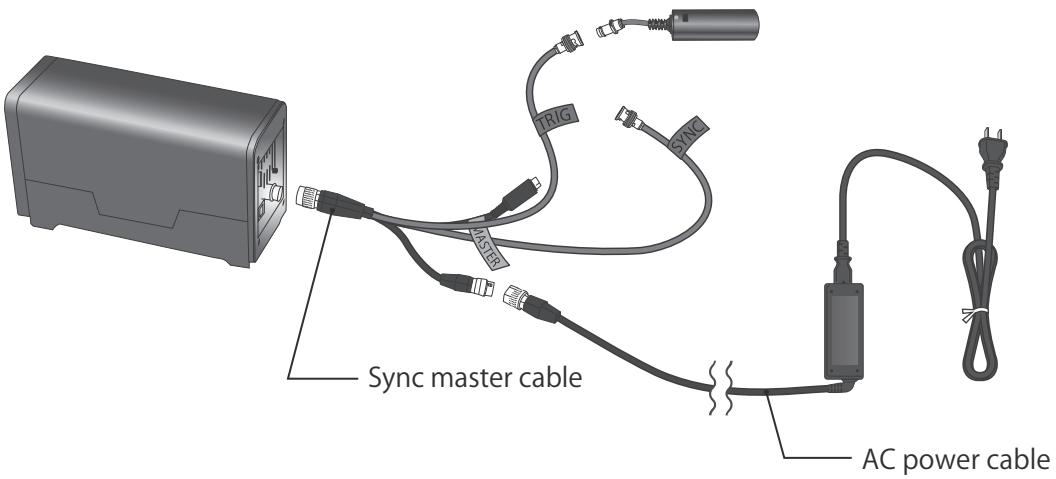
⑤ Connect power cable to the camera.



⑥ Run the installed application.
※For further assistance, Please read the software manual.



⑦ When it is necessary to use an external trigger and / or to synchronize with LED lights, Please use a sync trigger cable.

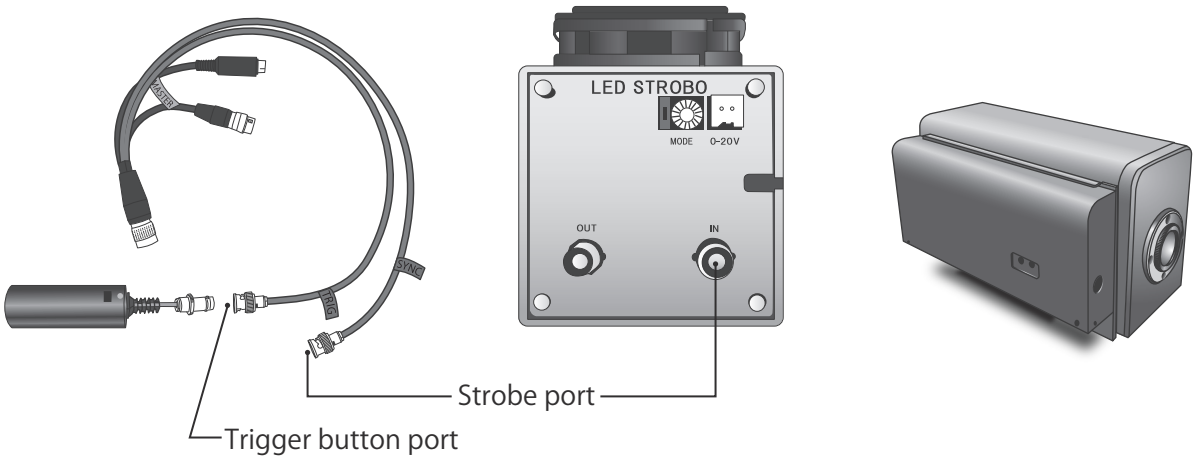


Connecting to optional accessories

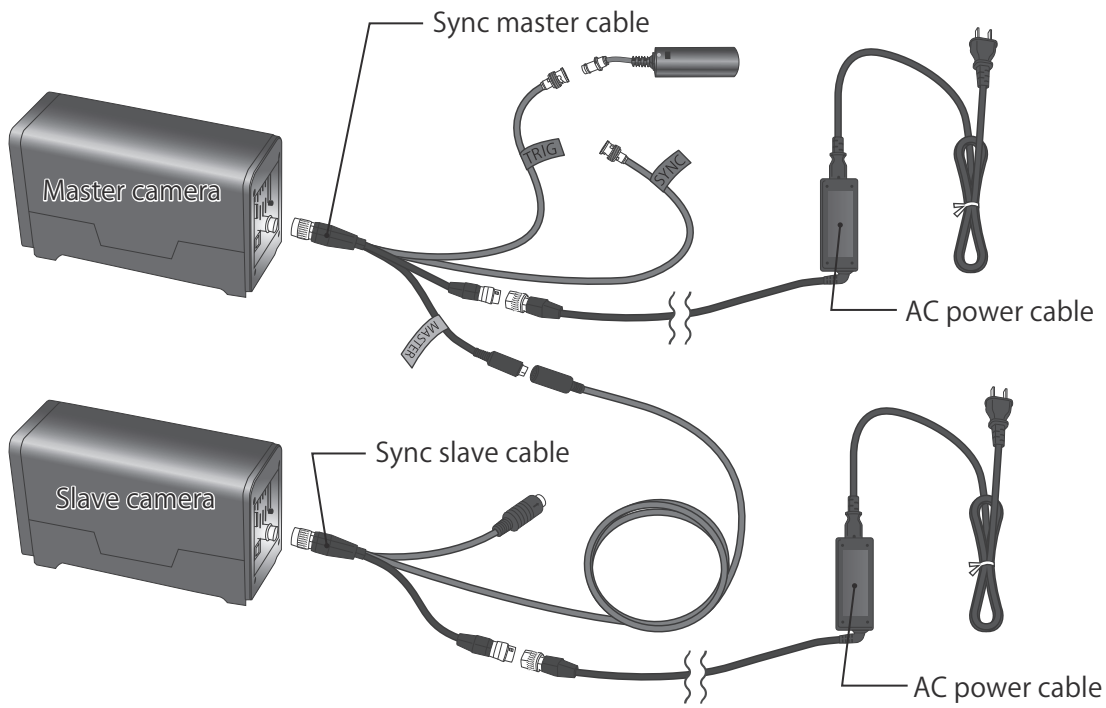
1 Trigger button

2 High brightness LED strobe

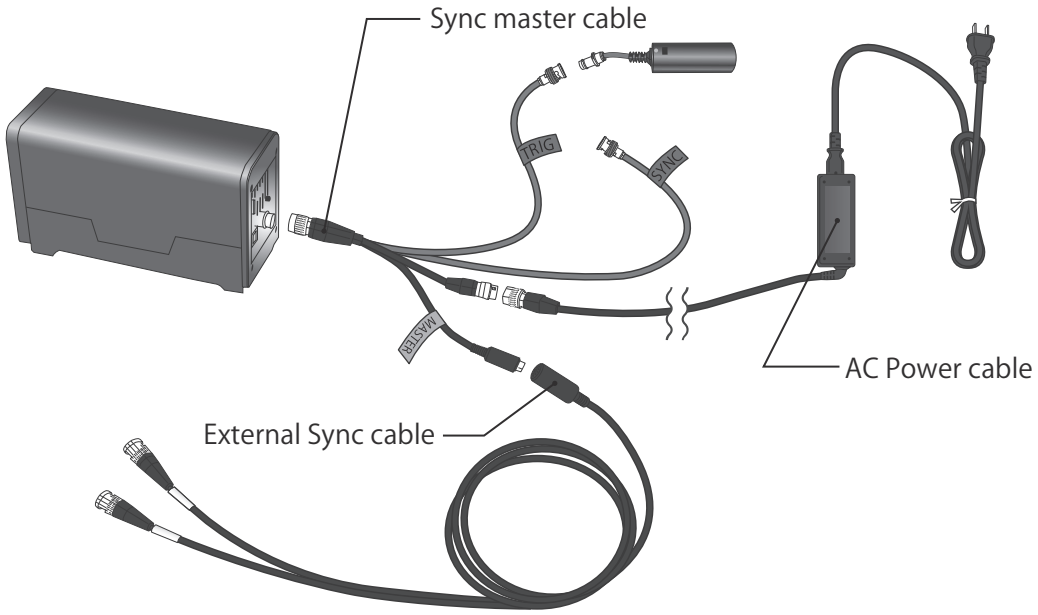
3 Battery



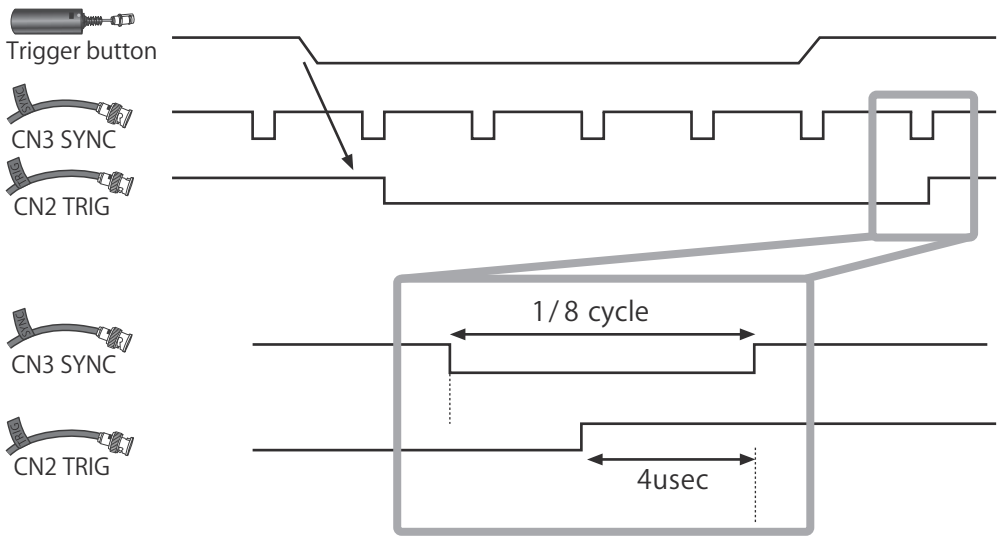
4 Sync slave cable (more than 2 pairs)



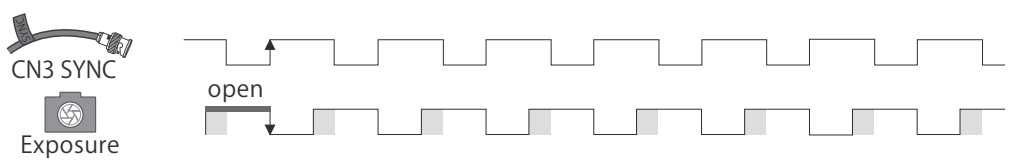
5 External sync cable



Timing chart



The relationship between sync signal and exposure



- The exposure ends when HAS-D71 finishes receiving the SYNC signal.
- The exposure time depends on the shutter assigned by your PC.
- Use strobe lights etc. Which are compatible with SYNC3 to control timing.

Product specifications

HAS-D71

	HAS-D71M	HAS-D71C
Comera Type	Mono	Color
Sensor	CMOS	
Effective resolution	640 x 480	
Sensor format	1/1.8 inch	
Lens mount	C - mount	
Interface	USB3.0	
Sutter exposure	1usec ～ open	
Sensitivity	38V/lx・s	20V/lx・s
Power supply	DC12V	
Size	73mm×118mm×187.4mm	
Electric requirement	24W	
Weight	1.2Kg	
Memory size	Standard 8GB / Extended version 16GB	

Resolution	FPF
640 x 480	8000fps
640 x 240	16000fps
640 x 116	30000fps
640 x 48	60000fps
640 x 12	120000fps

HAS-D72

	HAS-D72M	HAS-D72C
Comera Type	Mono	Color
Sensor	CMOS	
Effective resolution	1280 x 1024	
Sensor format	1/1.8 inch	
Lens mount	C - mount	
Interface	USB3.0	
Sutter exposure	1usec ～ open	
Sensitivity	6.8V/lx・s	3.4V/lx・s
Power supply	DC12V	
Size	73mm×118mm×187.4mm	
Electric requirement	24W	
Weight	1.2Kg	
Memory size	Standard 8GB / Extended version 16GB	

Resolution	FPS
1280 x 1024	2000fps
1280 x 480	4000fps
1280 x 240	8000fps
1280 x 120	16000fps

Support information

Please contact our local office for software updates and customized options as well as other inquires.

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High sensitivity / High speed cameras

HAS-D71 / HAS-D72

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