

HAS-EX

High sensitivity / High speed camera

Hardware settings user manual

This manual provides safety installation instructions.

Please read this manual thoroughly before using.



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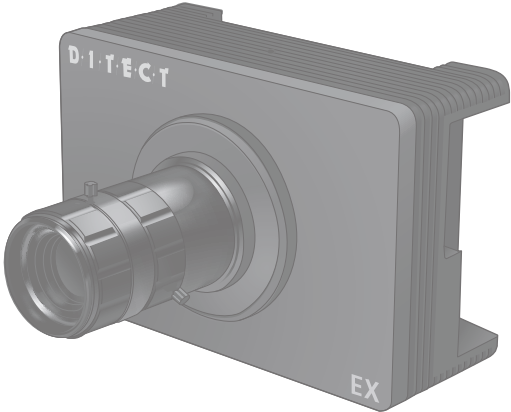
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Important safety instructions

— Introduction —

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

— Important safety instructions —

Caution for safety

- When you are not using the camera, please disconnect the power cable.
- Do not handle plug or appliance with wet hands.
- If your device needs repair, please contact our technical support.
- Do not disassemble or modify HAS-EX.

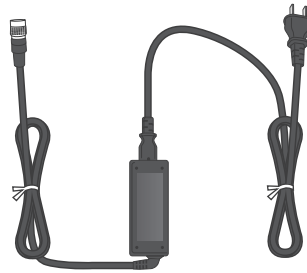
List of included items

- 1 Camera body
- 2 AC adapter
- 3 USB3.0 cable
- 4 Sync master cable
- 5 Trigger button*
- 6 Software CD
- 7 Sync slave cable*
- 8 External sync cable*
- 9 High brightness LED strobe*

* = optional accessory



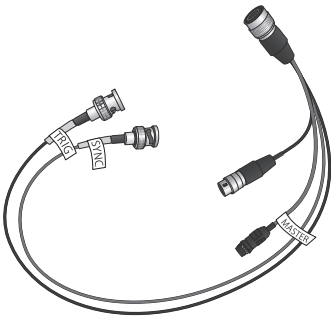
1 Camera body



2 AC adapter



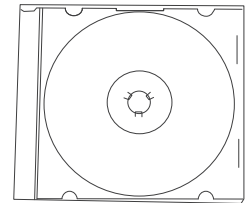
3 USB3.0 cable



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



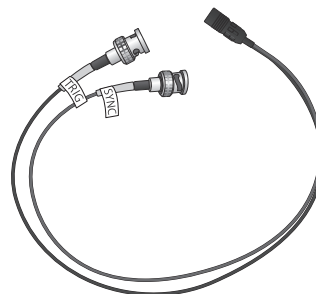
5 Trigger button
(BNC-SW)



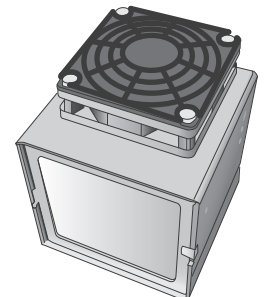
6 Software CD



7 Sync slave cable
(FST-SYNC-SLV)



8 External sync cable
(HR30-6P-6S-BNC2CH)

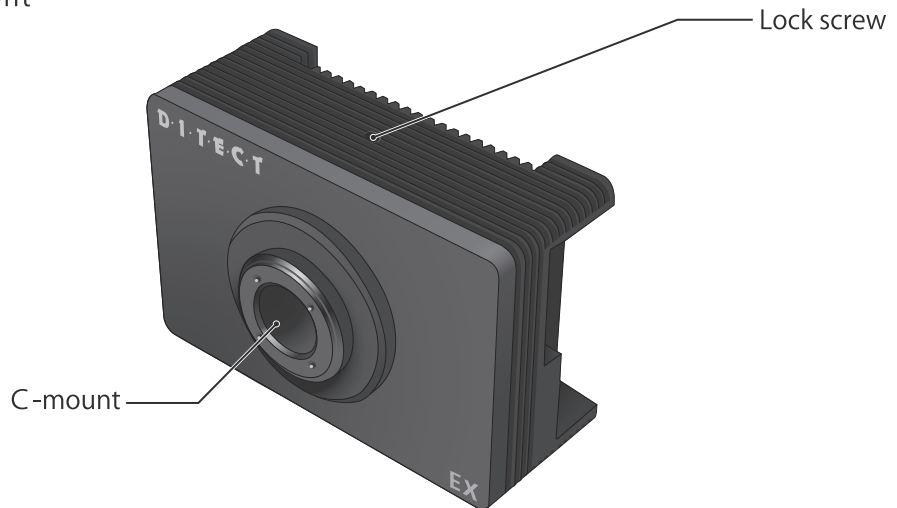


9 High brightness
LED strobe

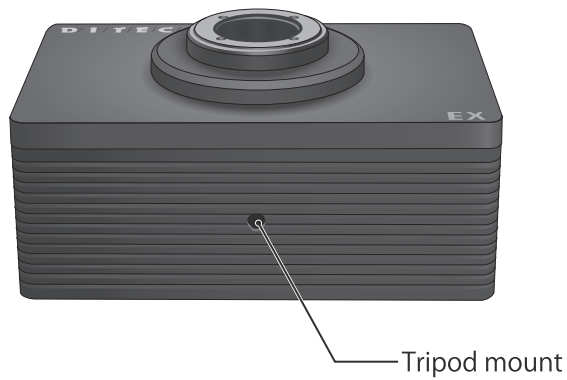
List of included items

Parts names

1 Top and Front



2 Bottom



3 Rear



Setting up procedures

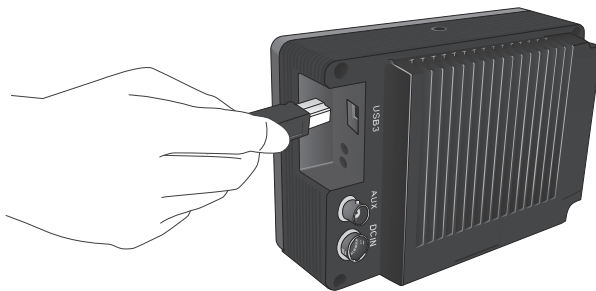
- ① Attach C-mount lens and remove the lens cover.



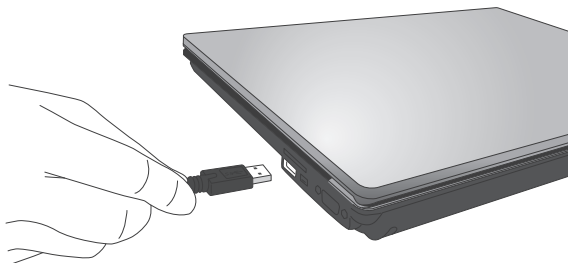
- ② Make sure that the camera is firmly attached to a tripod.



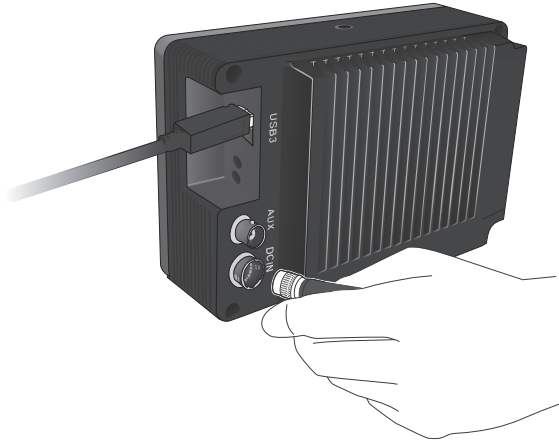
- ③ Connect USB3.0 cable (Standard-B) to the camera.



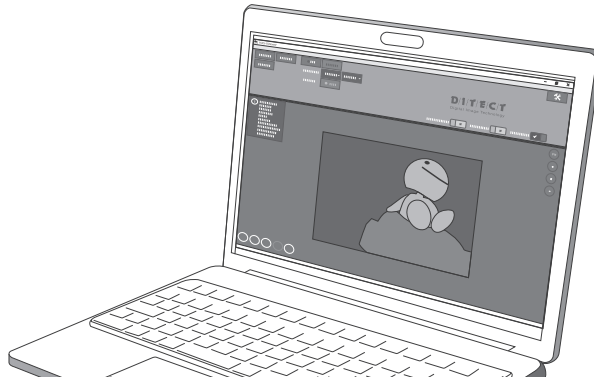
- ④ Connect USB3.0 cable (Standard-A) to your PC.



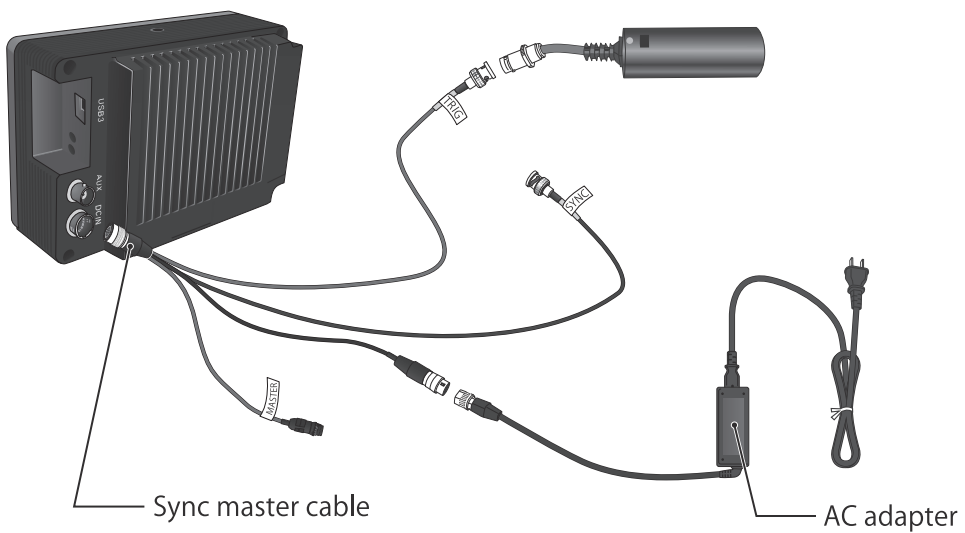
- ⑤ Connect AC adapter to the camera .



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

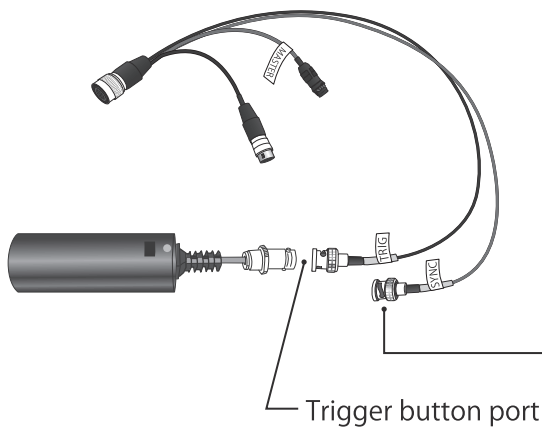


- ⑦ When it is necessary to use an external trigger and / or to synchronize with LED lights, please use a sync Master cable.



Connecting to optional accessories

- 1 Trigger button
※ optional

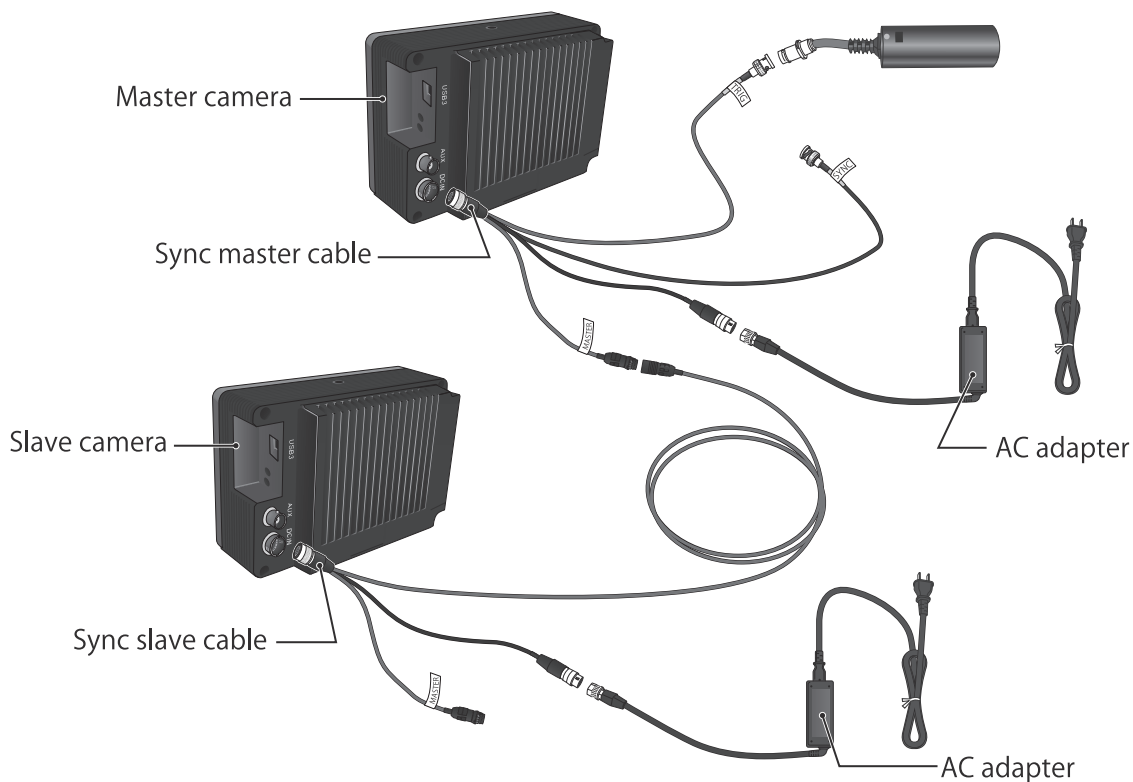


- 2 High brightness LED strobe
※ optional

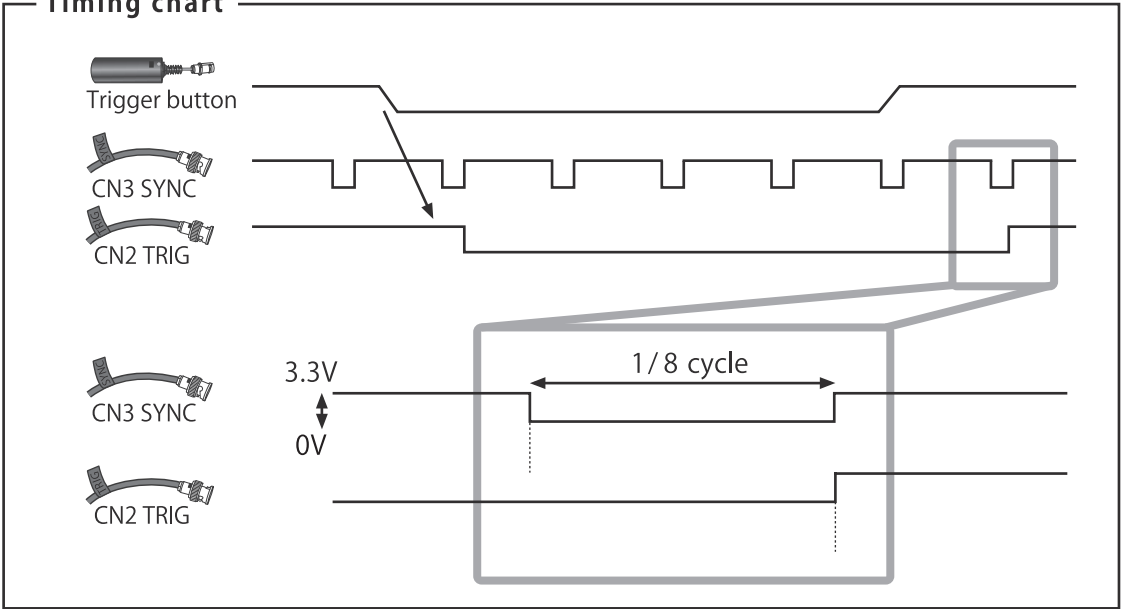


Strobe port

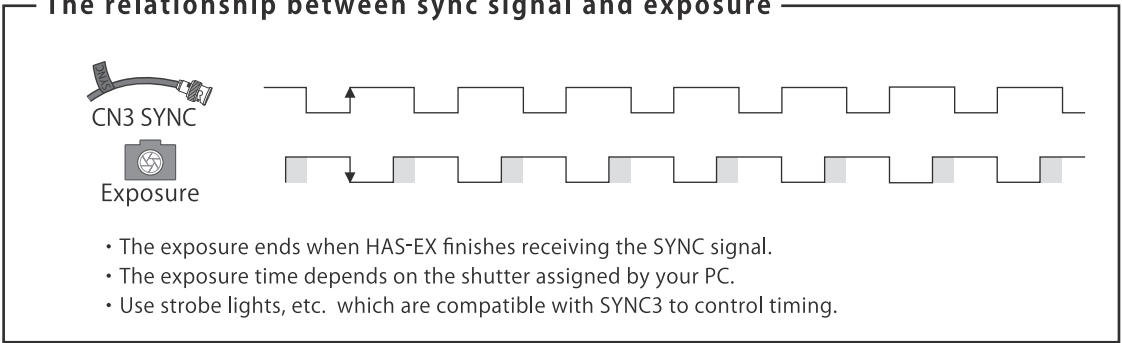
- 3 Synchronous Connection ①
※ optional



Timing chart



The relationship between sync signal and exposure



Product specifications

HAS-EX

	HAS-EXM	HAS-EXC
Camera type	Mono	Color
Sensor	CMOS	
Effective resolution	1280 x 1024	
Sensor format	2/3 inch	
Lens mount	C-mount	
Interface	USB3.0	
Shutter	1usec ~ open	
Sensitivity	9.6V/lx · s	————
Power supply	DC12V	
Electric requirement	12 W	
Weight	1.2Kg	
Memory size	Standard 6GB / Extended version 12GB	

Resolution	FPS
1280 x 1024	1000 fps
800 x 600	2600 fps
640 x 480	4100 fps
320 x 320	12000 fps

Support information

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

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DITECT
Digital Image Technology

Digital high speed camera

HAS-EX

Hardware settings user manual Rev1.0.0

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