

ACASIS

Thunderbolt 3 Quad SDI Video Capture Card



Model: AC-TP4SD
User Manual

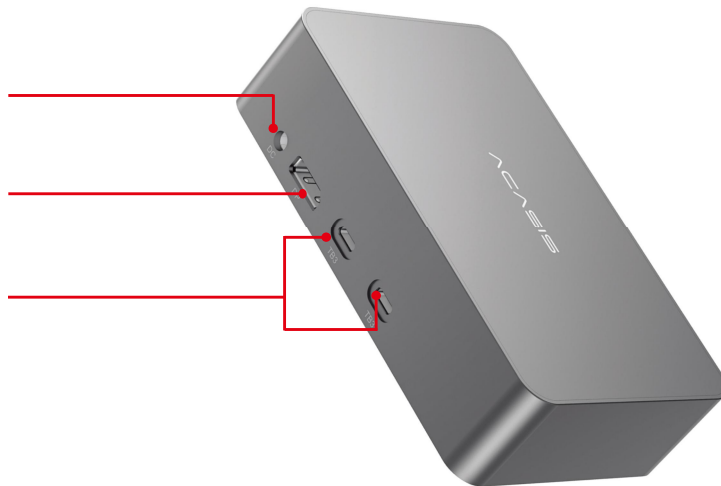
Package Contents

- Thunderbolt 3 Quad SDI Capture Card
- Thunderbolt 3 Cable
- Power Adapter
- User Manual

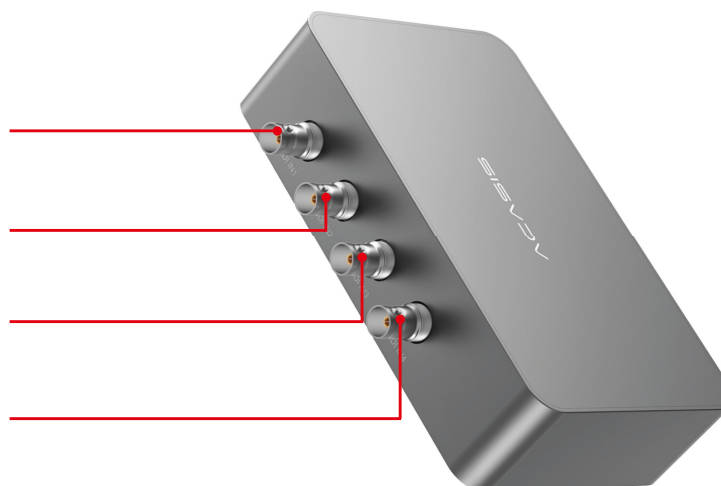
Product Description

- Thunderbolt 3 interface with 40Gbps transmission bandwidth.
- Capture resolution up to 1080p.
- DP interface supports 4K@60Hz loopout.
- Up to 8 capture channels by Thunderbolt 3 daisy chain.
- Support 1080i hardware de-interlacing and 3D noise reduction algorithm.
- Independently process input source without occupying CPU.
- Input format: HD-SDI, 3G-SDI.
- System requirements: Windows 10/11.

- DC**
20V/3.25A
(Power input)
- DP**
4K@60Hz loopout
- TB3**
40Gbps transmission
(Support daisy chain)



- SDI IN 1 -- (1)**
1080p@60Hz input
- SDI IN 2 -- (2)**
1080p@60Hz input
- SDI IN 3 -- (3)**
1080p@60Hz input
- SDI IN 4 -- (4)**
1080p@60Hz input



Operation Guide

1. Supply power to the device via DC port.
2. Connect your computer to the TB3 port of the device with the included Thunderbolt 3 cable.

Note: Your computer must be equipped with Thunderbolt 3/4 interface.

3. Turn on the computer, and install ACASIS TP4SD driver.

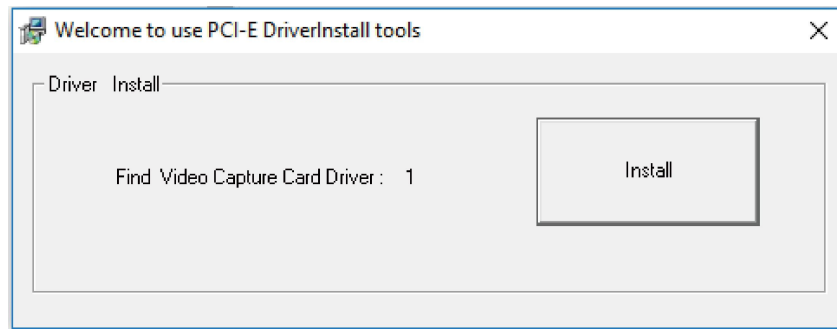


Driver Installation

1. Please visit ACASIS official website (www.acasis.com) and download the driver.
2. Extract the archive file and find “DrvInstall_X64.exe” (for 64-bit Windows) or “DrvInstall.exe” (for 32-bit Windows) in the folder, then double click.

amd64	2022/4/26 19:24	File folder	
i386	2022/4/26 19:24	File folder	
DrvInstall	2022/4/22 16:47	Application	1,665 KB
DrvInstall_X64	2022/4/22 16:48	Application	2,275 KB
HwsVideoX4	2022/4/27 9:46	Setup Information	19 KB
HwsVideoX4X64	2022/4/27 3:00	Security Catalog	13 KB
HwsVideoX4X86	2022/4/27 3:00	Security Catalog	12 KB

3. A pop-up window showing “Find Video Capture Card Driver: 1” will appear, indicating that the video capture card has been recognized.



4. Click “Install”, then a notification will appear to show if the installation is successful. Click “OK” to finish the installation.

DisplayPort Loopout & Daisy Chain Expansion

1. DP port of this capture card supports 4K@60Hz loopout. To connect an SDI interface, a DP to SDI adapter cable (not included) is required.



2. Thunderbolt 3 daisy chain expands up to 8 capture channels.
 - 1) Two AC-TP4SD capture cards are required.
 - 2) Use a Thunderbolt 3/4 cable to connect two capture cards through TB3 interfaces.



- 3) Up to 8 input sources can be switched freely or displayed simultaneously.



Specifications

Output Interface	TB3 *2, DP *1
Power Adapter	20V/3.25A (65W)
Loopout Resolution	4K@60Hz
Video Input	SDI *4
Audio Input	PCM *4
Video Input Format	HD-SDI, 3G-SDI
Audio Sample Rate	48 KHz PCM
Output Color Space	YUY2
Capture Resolution	Up to 1080p
De-interlacing	1080i hardware de-interlacing, 3D noise reduction algorithm
System Requirements	32-bit/64-bit Windows 10/11
Compatible Software	Windows Media Encoder, Adobe Flash Media Live Encoder, Real Producer Plus, VLC, Wirecast VMIX and more
Compatible Development Interface	DirectShow, DirectSound (Windows)
Power Consumption	≤5W
Operating Temperature	0-85°C (32-185°F)

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