

Capture Card Hardware Guide

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Table of Contents

Capture Card Models	2
4404SL ⁺ Video Capture Card	2
4416SL ⁺ Video Capture Card	3
4416SL ⁺ -PCIe Video Capture Card	4
4408Q-PCIe Video Capture Card	5
4604Q-PCIe Video Capture Card	6
4606Q-PCIe Video Capture Card	7
4704Q Video Capture Card	8
4708Q Video Capture Card	9
4716Q Video Capture Card	10
4704Q-Me Video Capture Card	11
Hybrid DVR Card Models	12
4408Q-Hybrid Card.....	12
4416Q-Hybrid Card.....	13
License Card Models.....	14
4432IP/4416IP/4408IP/4404IP License Card	14
Accessories	15
IOC-0404P I/O Card	15
LB-16 Video Loop Through Card	16
IOB-0805 Box.....	17
IOB-1616 Box.....	18

Capture Card Models

4404SL+ Video Capture Card

Accessories

Watchdog Cable	x 1
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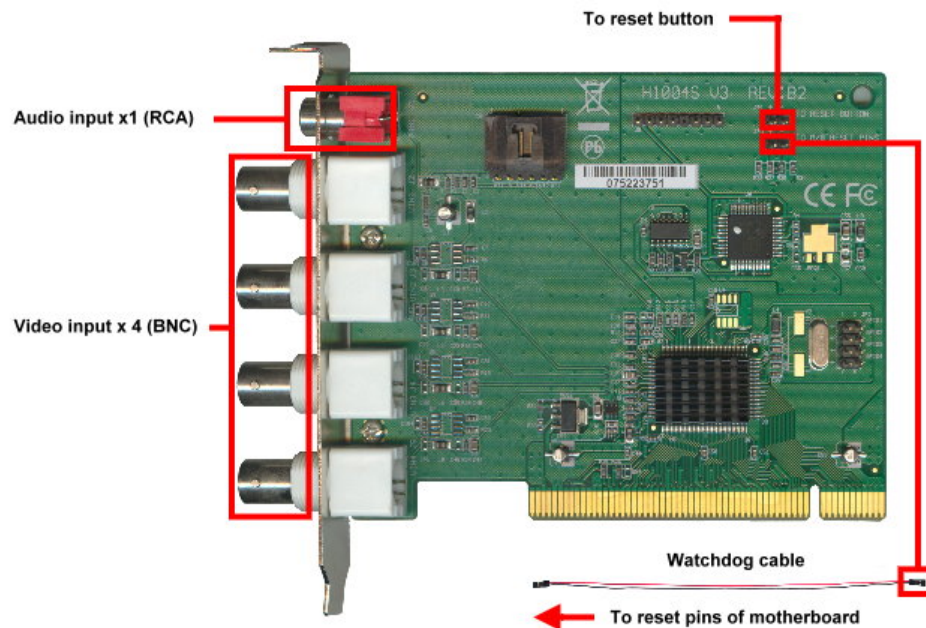
Specifications

Video Input / Audio Input	4 (BNC) / 1 (RCA)
Display & Recording Rate *	40 fps (NTSC: 320x240)
	30 fps (PAL: 320x240)
	30 fps (NTSC: 720x480)
	25 fps (PAL: 720x576)
Max. Stack Card / Channel	4 Cards / 16 CH
PC Interface	PCI

* Display & recording Rates present the maximum frame rates per card.

The exact frame rates may vary across hardware environments.

Frame rates in Plus Series DVR cards show maximum frame rates at Turbo Capture Mode.



4416SL+ Video Capture Card

Accessories

Watchdog Cable	x 1
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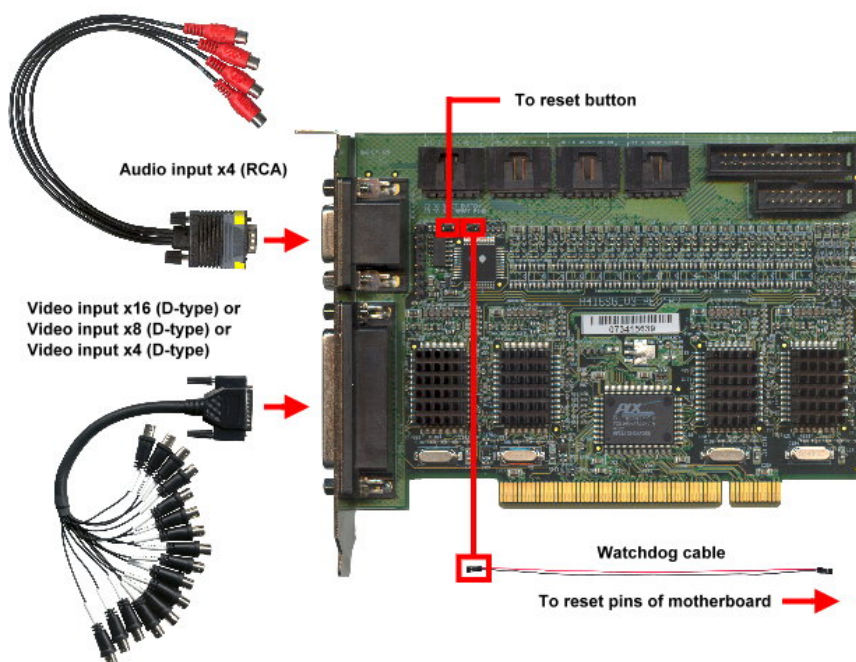
Specifications

Video Input	4 (D-Sub)	8 (D-Sub)	16 (D-Sub)
Audio Input	4 (RCA)		
Display & Recording Rate *	120 fps (NTSC: 320x240)	120 fps (NTSC: 320x240)	160 fps (NTSC: 320x240)
	100 fps (PAL: 320x240)	100 fps (PAL: 320x240)	120 fps (PAL: 320x240)
	120 fps (NTSC: 640x480)	60 fps (NTSC: 720x480)	60 fps (NTSC: 720x480)
	100 fps (PAL: 640x480)	55 fps (PAL: 720x576)	55 fps (PAL: 720x576)
Max. Stack Card / Channel	2 Cards / 8 CH	2 Cards / 16 CH	2 Cards / 32 CH
PC Interface	PCI		

* Display & recording Rates present the maximum frame rates per card.

The exact frame rates may vary across hardware environments.

Frame rates in Plus Series DVR cards show maximum frame rates at Turbo Capture Mode.



4416SL⁺-PCIe Video Capture Card

Accessories

Watchdog Cable	x 1
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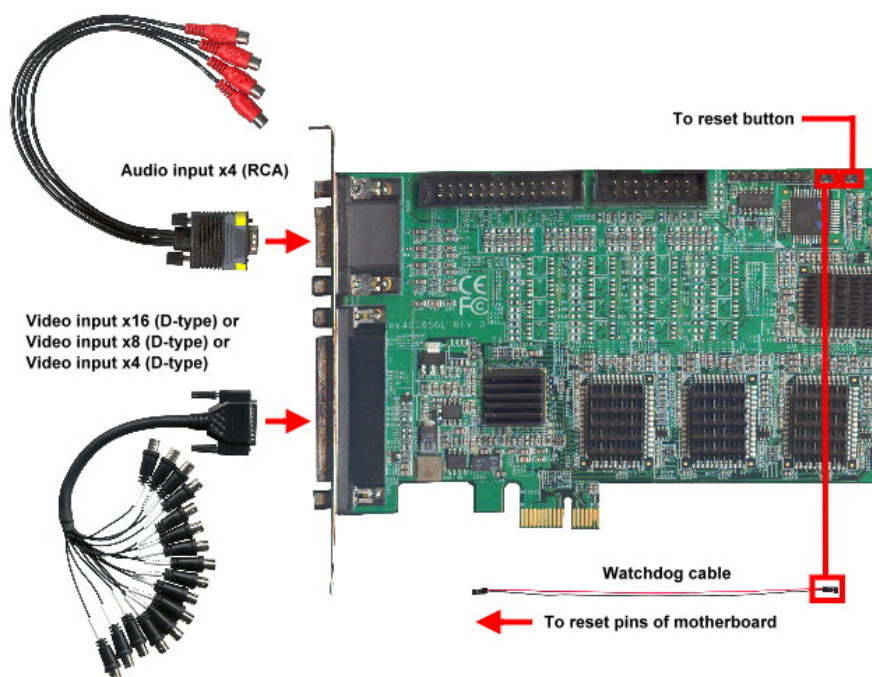
Specifications

Video Input	4 (D-Sub)	8 (D-Sub)	16 (D-Sub)
Audio Input	4 (RCA)		
Display & Recording Rate *	120 fps (NTSC: 320x240) 100 fps (PAL: 320x240)	120 fps (NTSC: 320x240) 100 fps (PAL: 320x240)	160 fps (NTSC: 320x240) 120 fps (PAL: 320x240)
	120 fps (NTSC: 640x480) 100 fps (PAL: 640x480)	60 fps (NTSC: 720x480) 55 fps (PAL: 720x576)	60 fps (NTSC: 720x480) 55 fps (PAL: 720x576)
Max. Stack Card / Channel	2 Cards / 8 CH	2 Cards / 16 CH	2 Cards / 32 CH
PC Interface	PCI Express		

* Display & recording Rates present the maximum frame rates per card.

The exact frame rates may vary across hardware environments.

Frame rates in Plus Series DVR cards show maximum frame rates at Turbo Capture Mode.



4408Q-PCIe Video Capture Card

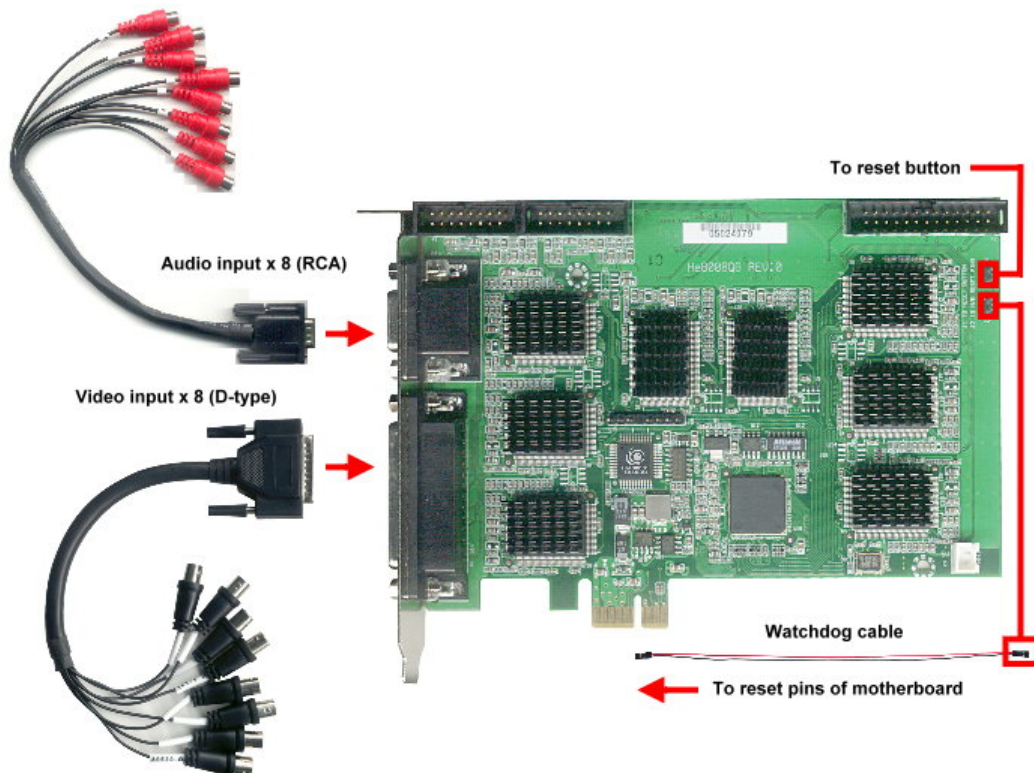
Accessories

Watchdog Cable	x 1
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Specifications

Video Input / Audio Input	8 (D-Sub) / 8 (RCA)
Display & Recording Rate *	240 fps (NTSC: 320x240) 200 fps (PAL: 320x240)
Max. Stack Card / Channel	4 Cards / 32 CH
PC Interface	PCI Express

* Display & recording Rates present the maximum frame rates per card.
The exact frame rates may vary across hardware environments.



4604Q-PCIe Video Capture Card

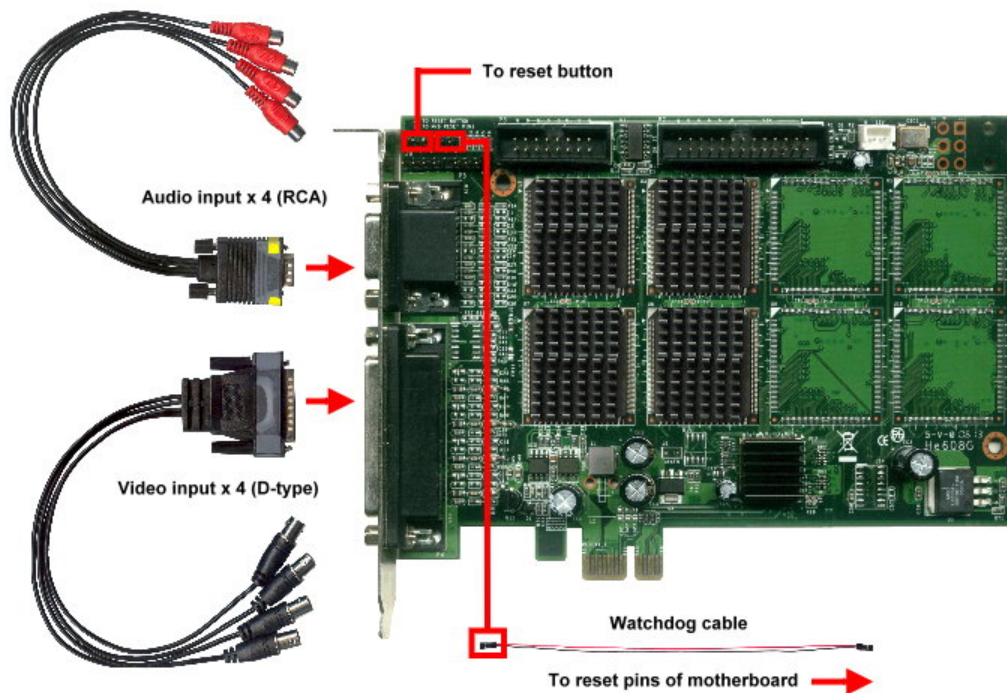
Accessories

Watchdog Cable	x 1
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Specifications

Video Input / Audio Input	4 (D-Sub) / 4 (RCA)
Display & Recording Rate *	120 fps (NTSC: 720x480) 100 fps (PAL: 720x576)
Max. Stack Card / Channel	4 Cards / 16 CH
PC Interface	PCI Express

* Display & recording Rates present the maximum frame rates per card.
The exact frame rates may vary across hardware environments.



4606Q-PCIe Video Capture Card

Accessories

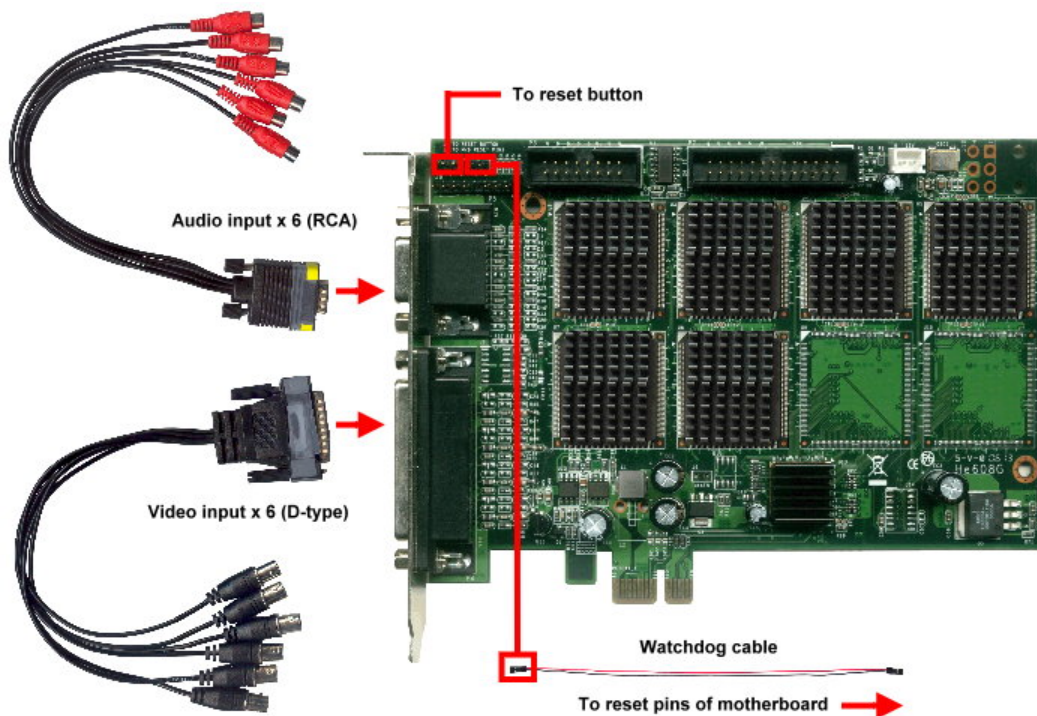
Watchdog Cable	x 1
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Specifications

Video Input / Audio Input	6 (D-Sub) / 6 (RCA)
Display & Recording Rate *	180 fps (NTSC: 720x480) 150 fps (PAL: 720x576)
Max. Stack Card / Channel	3 Cards / 18 CH
PC Interface	PCI Express

* Display & recording Rates present the maximum frame rates per card.

The exact frame rates may vary across hardware environments.



4704Q Video Capture Card

Accessories

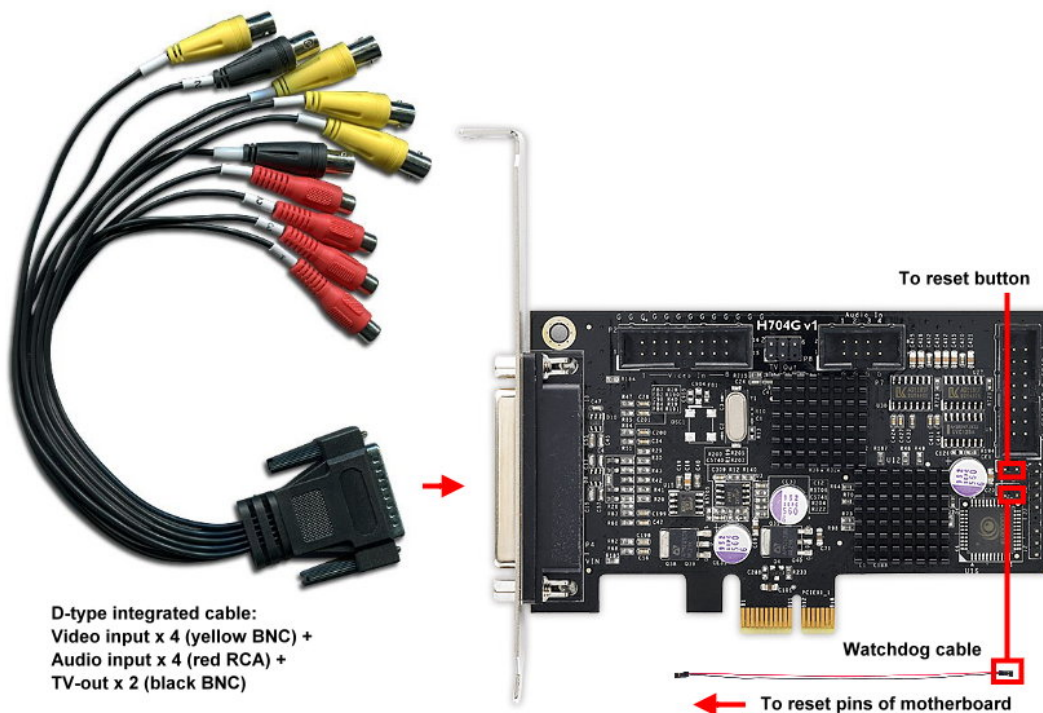
Watchdog Cable	x 1
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Specifications

Video Input / Audio Input / TV-out	4 (BNC) / 4 (RCA) / 2 (BNC)
Display & Recording Rate *	
4704Q-120	120 fps (NTSC: 720x480) 100 fps (PAL: 720x576)
4704Q-60	60 fps (NTSC: 720x480) 50 fps (PAL: 720x576)
4704Q-30	30 fps (NTSC: 720x480) 25 fps (PAL: 720x576)
4704Q-15	15 fps (NTSC: 720x480) 12.5 fps (PAL: 720x576)
Max. Stack Card / Channel	4 Cards / 16 CH
PC Interface	PCI Express

* Display & recording Rates present the maximum frame rates per card.

The exact frame rates may vary across hardware environments.



4708Q Video Capture Card

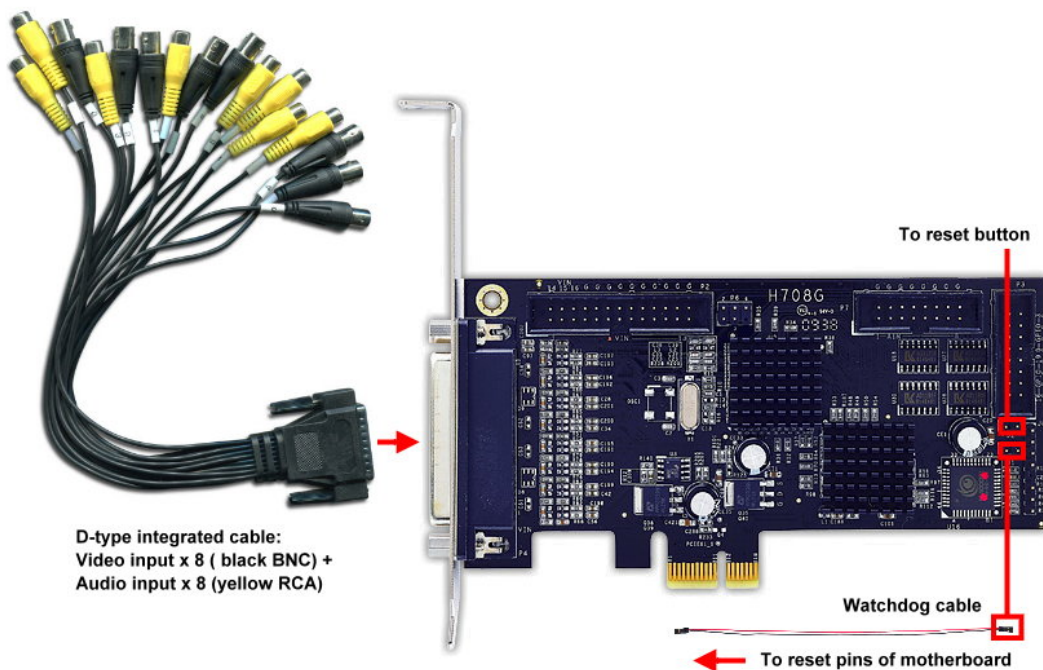
Accessories

Watchdog Cable	x 1
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Specifications

Video Input / Audio Input / TV-out	8 (BNC) / 8 (RCA) / 2 (BNC)
Display & Recording Rate *	
4708Q-240	240 fps (NTSC: 720x480) 200 fps (PAL: 720x576)
4708Q-120	120 fps (NTSC: 720x480) 100 fps (PAL: 720x576)
4708Q-60	60 fps (NTSC: 720x480) 50 fps (PAL: 720x576)
4708Q-30	30 fps (NTSC: 720x480) 25 fps (PAL: 720x576)
Max. Stack Card / Channel	4 Cards / 32 CH
PC Interface	PCI Express

* Display & recording Rates present the maximum frame rates per card.
The exact frame rates may vary across hardware environments.



4716Q Video Capture Card

Accessories

Watchdog Cable	x 1
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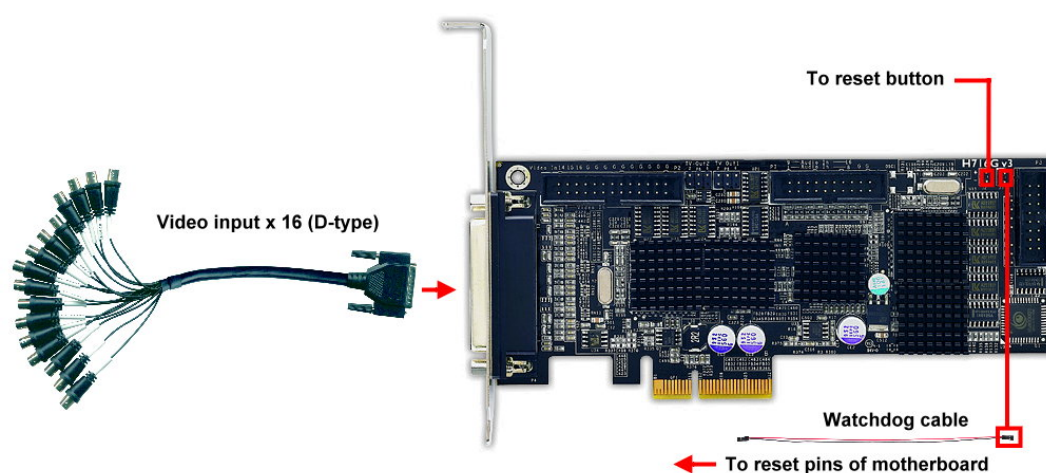
Specifications

Video Input / Audio Input / TV-out * ¹	16 (BNC) / 16 (RCA) / 4 (BNC)
Display & Recording Rate * ²	
4716Q-480	480 fps (NTSC: 720x480) 400 fps (PAL: 720x576)
4716Q-240	240 fps (NTSC: 720x480) 200 fps (PAL: 720x576)
4716Q-120	120 fps (NTSC: 720x480) 100 fps (PAL: 720x576)
4716Q-60	60 fps (NTSC: 720x480) 50 fps (PAL: 720x576)
Max. Stack Card / Channel	2 Cards / 32 CH
PC Interface	PCI Express

*1 The 16CH audio + 4 TV-out connector requires extra purchase.

*2 Display & recording Rates present the maximum frame rates per card.

The exact frame rates may vary across hardware environments.



4704Q-Me Video Capture Card

Accessories

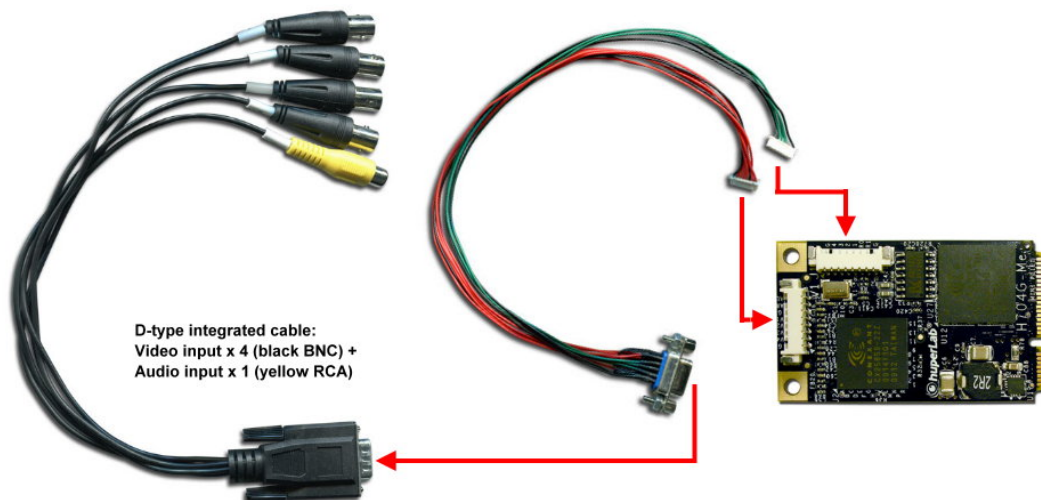
Watchdog Cable	x 1
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Specifications

Video Input / Audio Input	4 (BNC) / 1 (RCA)
Display & Recording Rate *	
4704Q-Me-120	120 fps (NTSC: 720x480) 100 fps (PAL: 720x576)
4704Q-Me-60	60 fps (NTSC: 720x480) 50 fps (PAL: 720x576)
4704Q-Me-30	30 fps (NTSC: 720x480) 25 fps (PAL: 720x576)
4704Q-Me-15	15 fps (NTSC: 720x480) 12.5 fps (PAL: 720x576)
Max. Stack Card / Channel	1 Cards / 4 CH
PC Interface	Mini PCI Express

* Display & recording Rates present the maximum frame rates per card.

The exact frame rates may vary across hardware environments.



Hybrid DVR Card Models

4408Q-Hybrid Card

Accessories

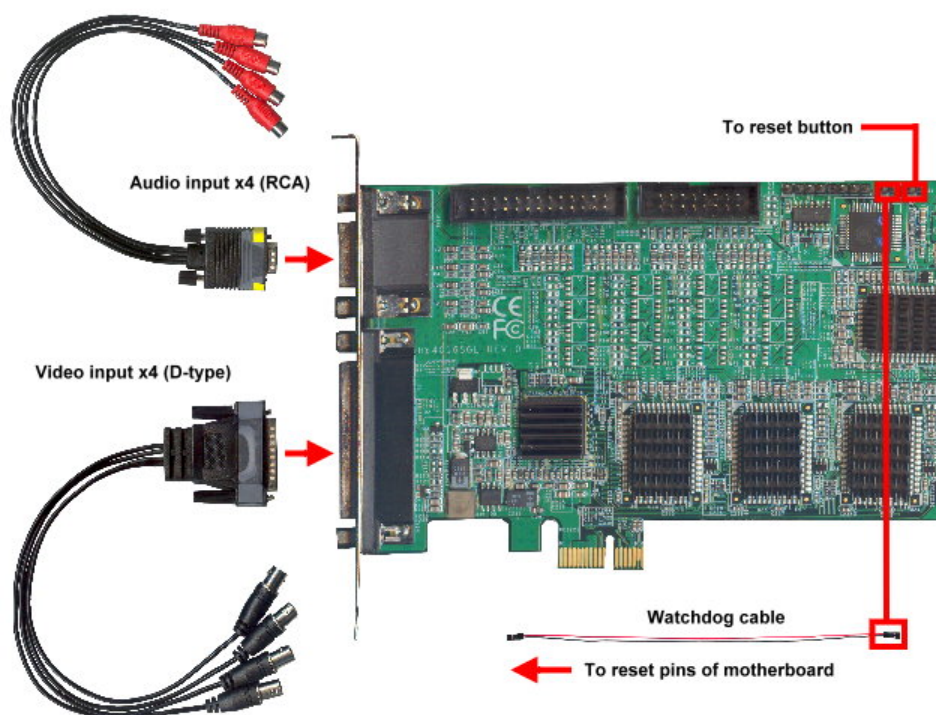
Watchdog Cable	x 1
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Specifications

Video Input / Audio Input	4 (D-Sub) / 4 (RCA)
IP Camera Channel	4
Display & Recording Rate *	240 fps (NTSC: 320x240) 200 fps (PAL: 320x240)
Max. Stack Card / Channel	4 Cards / 32 CH
PC Interface	PCI Express

* Display & recording Rates present the maximum frame rates per card.

The exact frame rates may vary across hardware environments.



4416Q-Hybrid Card

Accessories

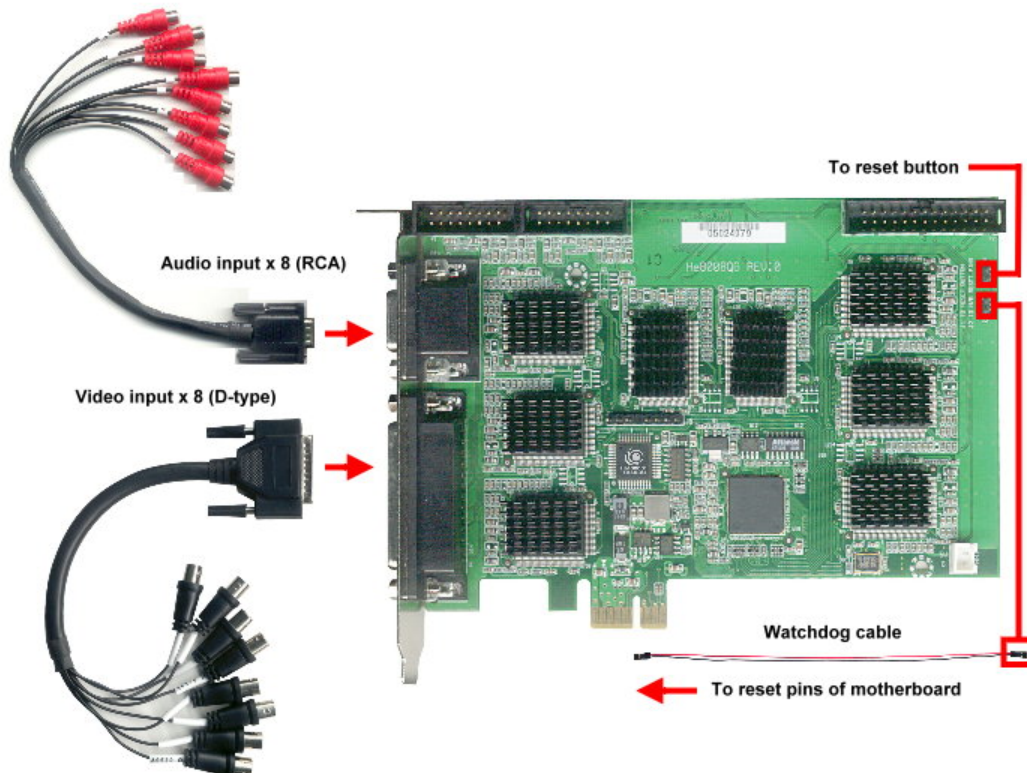
Watchdog Cable	x 1
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Specifications

Video Input / Audio Input	8 (D-Sub) / 8 (RCA)
IP Camera Channel	8
Display & Recording Rate*	240 fps (NTSC: 320x240) 200 fps (PAL: 320x240)
Max. Stack Card / Channel	2 Cards / 32 CH
PC Interface	PCI Express

* Display & recording Rates present the maximum frame rates per card.

The exact frame rates may vary across hardware environments.



License Card Models

4432IP/4416IP/4408IP/4404IP License Card

Accessories

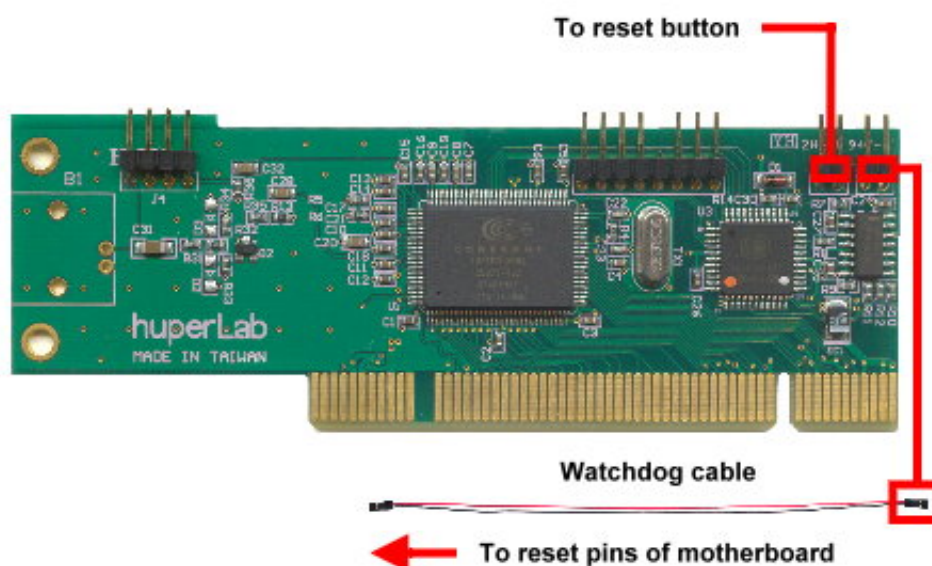
Watchdog Cable	x 1
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Specifications

	4432IP	4416IP	4408IP	4404IP
Display & Recording Rate *	960 fps (NTSC) 800 fps (PAL)	480 fps (NTSC) 400 fps (PAL)	240 fps (NTSC) 200 fps (PAL)	120 fps (NTSC) 100 fps (PAL)
Max. Stack Card / Channel	1 Card / 32 CH	2 Cards / 32 CH	4 Cards / 32 CH	4 Cards / 16 CH
PC Interface	PCI			

* Display & recording Rates present the maximum frame rates per card.

The exact frame rates may vary across hardware environments.

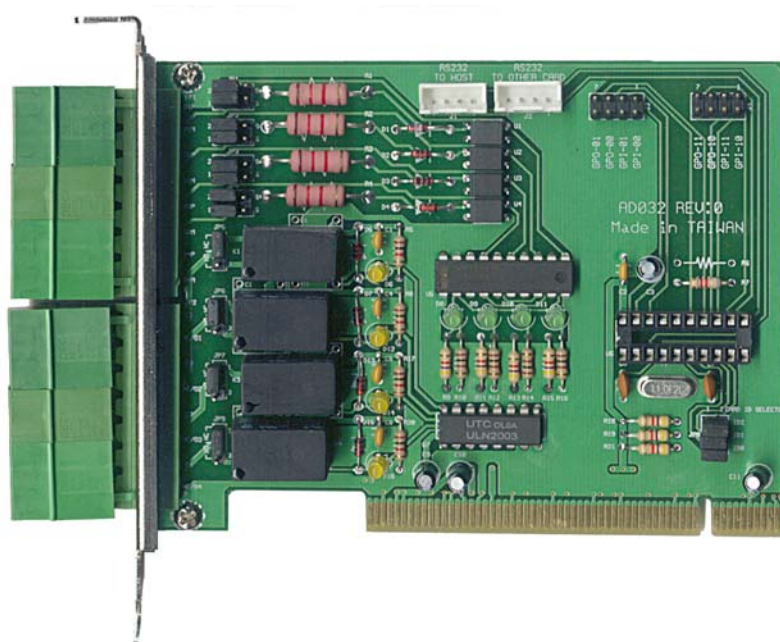


Accessories

IOC-0404P I/O Card

Specifications

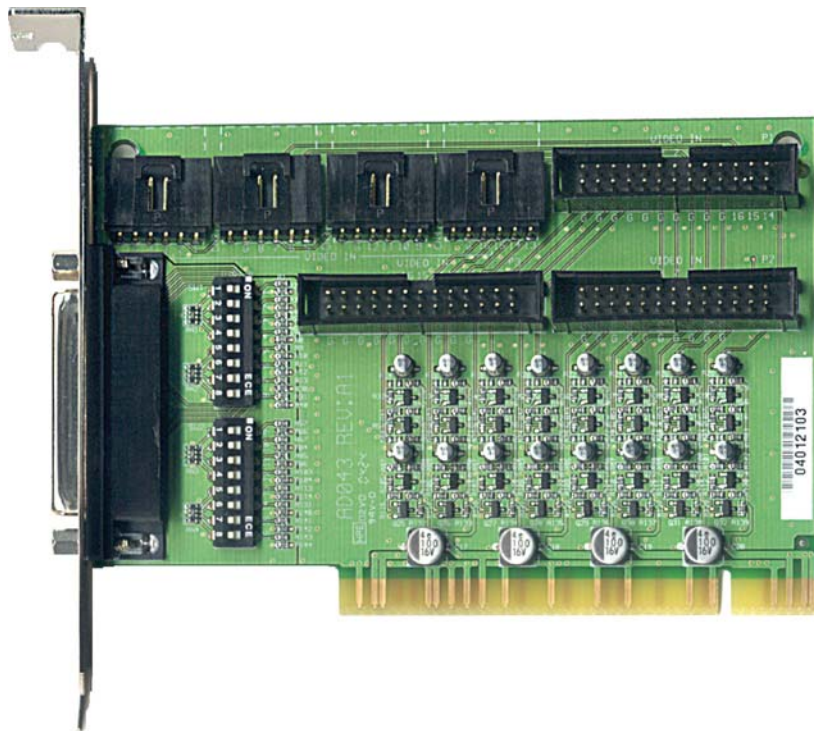
Description	32-bit PCI card with 4 digital inputs and 4 relay outputs
System	32-bit 5V PCI card
Dimensions	93 mm X 120 mm
Digital input	
Channels	4
Input voltage	Dry Contact Logic level 0: Close to GND Logic level 1: Open Optical Isolation: 24VDC Dry Contact & Optical Isolation: Selectable
Power consumption	200 mW each channel
Relay output	
Channel	4-channel/relay output with Form C
Contact rating	AC 125 V @ 0.6 A; 250 V @ 0.3 A DC 30 V @ 1 A; 110 V @ 0.6 A NO & NC selectable by jumper



LB-16 Video Loop Through Card

Specifications

Description	PCI card with 16CH video loop through
System	32-bit 5V PCI card
Video Input	4-center crimp terminal houses up to 16 channel video inputs One box header (2 x 13 pins) supports 16 channel video inputs Two box header (2 x 13 pins) supports 8 channel video inputs
Video Output	D-sub 25 connector supports 16 channel video outputs
Video signal	1 Vpp, 75Ω switch optional
Dimensions	119.88 mm x 85.09 mm




IOB-0805 Box

Specifications

Digital Contact Input	8	
Isolation	5000Vrms	
Digital Level 0	Open Digital	
Level 1	Close Relay	
Output	5	
Relay Type	Form A	
Contact Rating	10A@125VAC, 5A@250VAC/30VDC	
Operate Time	8 ms	
Release Time	5 ms	
Dielectric Strength	2500VAC	
Electrical life(min.)	1 x 10 ⁵	
Mechanical life(min.)	1 x 10 ⁷	
Power Consumption	110 / 220 VAC or 5VDC, 5W°C	
Communication Port	RS232 / RS485 (Protocol : Huper RTU ASCII) RS232:1200-115, 200 bps; RS485 : 1200-921.6K bps	
Communication Distance	RS232: 50 feet RS485: 4000 feet	
Input Power Supply	110 / 220 VAC or 5VDC, Digital Input: 5/12/24 VDC	
Dimension	150 x 100 x 40 mm	
Weight	360 g	
Approved Standards	CE	

IOB-1616 Box

Specifications

Digital Contact Input	16	
Isolation	5000Vrms	
Digital Level 0	Open	
Digital Level 1	Close	
Open Collector Output	16	
Isolation	5000 Vrms	
Load Voltage	5/12/24 VDC	
Max Load Current	500 ma (2A Per Common Group)	
Power Consumption	5W	
Communication port	RS232 / RS485 (Protocol : Huper RTU ASCII) RS232 : 1200-115,200 bps; RS485 : 1200-921.6K bps	
Communication distance	RS232 : 50 feet RS485 : 4000 feet	
Input Power Supply	12 VDC (9 ~ 12), 5W	
Dimension	150 x 100 x 40 mm	
Weight	360 g	
Approved Standards	CE	