

Frame grabber digitale - mvHYPERION-CLf

Obsoleti





- Frame grabber digitale PCI Express® x4
- Differenti interfacce per telecamere CameraLink
- Controllo trigger e flash

La scheda mvHYPERION-CLf è un frame grabber per telecamere CameraLink. Grazie al PCI Express® x4 mvHYPERION-CLf garantisce una banda di acquisizione fino a 620 MB/s. Compatibile con interfaccia FULL e MEDIUM.

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- Sommario
- Hardware
- Software
- Confronto frame grabber PCI-E
- Aree applicative
- Downloads

Prodotto	mvHYPERION-CLf
PCI Express®	x4
Interfacce	1x BASE, 1x MEDIUM, 1x FULL
Trasferimento continuo	Circa 620 MB/s
Payload	Fino a 256 Bytes
Massimo clock CL	85 MHz
In/Out digitali	2x 2/1
Range temperatura di funzionamento	0 .. 45 °C
Range temperatura di stoccaggio	-20 .. 70 °C
Standard supportati	 

- Frame grabber singolo canale CameraLink PCI Express® (x4 lane PCI-E)
- Ingressi trigger/sync opto-isolati, 5..24 V
- Soglia modificabile per trigger e sync tra 2 V (TTL) e 12 V (PLC)
- Controller Bus master DMA
- 2 connettori MiniCL
- 2 connettori per ingressi trigger + sync, uscite flash e 12 V per alimentazione telecamera
- Uscite flash opto-isolate, max. 30 V
- Gestione di quattro segnali di controllo ed uscita strobo per ogni canale con generatori di timing indipendenti

- Interfaccia seriale (LVDS level) per ogni canale
 - Differenti formati per i dati
 - Ritriggerabile (resettabile asincronamente)
 - E2PROM
 - Power over CameraLink (PoCL)
 - Supported CL spec.: 1.2
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- [mvIMPACT Acquire](#) driver per Windows[®] e Linux[®] (→)

Area/Application	32R16	HD-SDI	CLx
Industrial Image Processing			
▶ 2D/3D measurement	■□□	■□□	■□□
▶ OCR, Pattern recognition	■□□	■□□	■□□
▶ control, robotics	■□□	■□□	■□□
▶ visualisation	■□□	■□□	■□□
▶ line camera applications	□□□	□□□	■□□
Security			
▶ object surveillance	■□□	■□□	■□□
▶ traffic surveillance	■□□	■□□	■□□
▶ compressed recording	■□□	■□□	■□□
▶ Video sensoric	■□□	■□□	■□□
Microscopy/Diagnostic			
▶ light microscopy	■□□	■□□	■□□
▶ laser scan systems	□□□	□□□	■□□
▶ electron microscopy	□□□	□□□	■□□
Medicine			
▶ visual dignostic	■□□	■□□	■□□
▶ laboratory systems	■□□	■□□	■□□
Image Capture/Recording			
▶ document line scanner	□□□	□□□	■□□
▶ high res area cameras	□□□	□□□	■□□
▶ broadcasting	■□□	■□□	□□□
■ ■ ■ optimum usage due to special features ■ ■ very suitable ■ suitable			

mvHYPERION - application areas

Drivers e applicazioni per Windows 7, 8.1 (mvIMPACT Acquire)

A partire dalla versione 2.10.1 di mvIMPACT Acquire i "Merge Modules for mvIMPACT Acquire" sono disponibili come download separato.

Per questo motivo i pacchetti di installazione ora sono di dimensioni più contenute. I Moduli Merge sono utilizzati per creare installer personalizzati che includano i driver mvIMPACT Acquire. Maggiori dettagli sono disponibili nei [manuali mvIMPACT Acquire](#).

 [mvHYPERION x86 2.37.1.msi](#) | 66,608.0 kB

mvHYPERION 32 Bit Windows (7, 8.1, 10)

 [mvHYPERION x86 64 2.37.1.msi](#) | 84,724.0 kB

mvHYPERION-CLm/-CLf 64 Bit Windows (7, 8.1, 10)

 [mvIMPACT Acquire.history](#) | 893.4 kB

mvIMPACT Acquire History-Datei / mvIMPACT Acquire history file

Precedenti versioni driver

Per visualizzare o scaricare i driver è necessario essere [registrati](#) o [collegati](#).

Drivers e applicazioni per Linux 2.6 - 3.x.x (mvIMPACT Acquire)

 [install mvHYPERION](#) | 34.2 kB

Linux Installer Skript für mvHYPERION devices / Linux installer script for mvHYPERION devices

 [mvHYPERION x86 ABI2 2.37.1.tgz](#) | 11,097.5 kB

mvHYPERION 32 Bit Linux

 [mvHYPERION x86_64 ABI2 2.37.1.tgz](#) | 13,398.8 kB

mvHYPERION 64 Bit Linux

 [mvIMPACT Acquire.history](#) | 893.4 kB

mvIMPACT Acquire History-Datei / mvIMPACT Acquire history file

Precedenti versioni driver

Per visualizzare o scaricare i driver è necessario essere [registrati](#) o [collegati](#).

Pacchetti aggiuntivi per LabVIEW, DirectShow, VisionPro e Halcon

Dalla versione 1.10.69, un driver **DirectShow®** è incluso nel pacchetto di installazione mvIMPACT Acquire.

Dalla versione 1.10.85, un'interfaccia a **VisionPro®** (Cognex) viene installata automaticamente con ogni pacchetto mvIMPACT Acquire.

Dalla versione 1.12.39, un'interfaccia a **NeuroCheck 6** per le famiglie mvBlueFOX e mvBlueCOUGAR viene installata automaticamente.

Collegamenti a mvIMPACT Acquire per **HALCON** sono disponibili sul sito MVTec: <http://www.halcon.de/download/>

 [LabVIEW acquire-x86-1.6.8](#) | 9,028.0 kB

32 Bit mvIMPACT Acquire Binding für LabVIEW ab Version 6.1 / 32 Bit mvIMPACT Acquire binding for LabVIEW 6.1 or greater

 [LabVIEW acquire-x86 64-1.6.8](#) | 10,980.0 kB

64 Bit mvIMPACT Acquire Binding für LabVIEW ab Version 6.1 / 64 Bit mvIMPACT Acquire binding for LabVIEW 6.1 or greater

 [LabVIEW acquire.history](#) | 7.2 kB

32 Bit LabView Binding History-Datei / 32 Bit LabView binding history file

Firmware

Il firmware può essere utilizzato solo con i frame grabber CameraLink mvHYPERION-CLx!

 [Firmware mvHYPERION-CLb/-CLm/-CLf v.85](#) | 862.7 kB

Firmware mvHYPERION-CLb/-CLm/-CLf v.85

Bug fix: Corrected sporadic horizontal image shift in Linescan Medium Mode.

 [Firmware mvHYPERION-CLb/-CLm/-CLf v.84](#) | 865.3 kB

Firmware mvHYPERION-CLb/-CLm/-CLf v.84

Bug fix: Corrected Frame-Start trigger mode for area scan cameras.

 [Firmware mvHYPERION-CLb/-CLm/-CLf v.83](#) | 856.5 kB

Firmware mvHYPERION-CLb/-CLm/-CLf v.83

Bug fix: Fixed overtriggering problem of the input in combination with a special linescan mode (FrameStart-Trigger=>FrameValid/RisingEdge, FrameStop-Trigger=>FrameValid/FallingEdge); Optimized automatic compensation of a phase error between Base, Medium, and Full channel.

 [Firmware mvHYPERION-CLb/-CLm/-CLf v.82](#) | 868.8 kB

Firmware mvHYPERION-CLb/-CLm/-CLf v.82

Bug fix: Horizontal jitter in linescan trigger mode fixed; HRTC starting problem fixed

 [Firmware mvHYPERION-CLb/-CLm/-CLf v.79](#) | 859.4 kB

Firmware mvHYPERION-CLb/-CLm/-CLf v.79

Bug fix: Line scan acquisition with TriggerControl-FrameStop fixed

 [Firmware mvHYPERION-CLb/-CLm/-CLf v.78](#) | 849.0 kB

Firmware mvHYPERION-CLb/-CLm/-CLf v.78

New feature: ExpandLineValid feature implemented

 [Firmware mvHYPERION-CLb/-CLm/-CLf v.77](#) | 847.1 kB

Firmware mvHYPERION-CLb/-CLm/-CLf v.77

Bug fix: "Raw Line Acquisition Mode" is working again

 [Firmware mvHYPERION-CLb/-CLm/-CLf v.76](#) | 843.2 kB

Firmware mvHYPERION-CLb/-CLm/-CLf v.76

Bug fix: Removed sporadic horizontal offset (linescan mode)

 [Firmware mvHYPERION-CLb/-CLm/-CLf v.74](#) | 865.3 kB

Firmware mvHYPERION-CLb/-CLm/-CLf v.74

Bug fix: Loss of first line after "Request" (linescan cameras)

 [Firmware mvHYPERION-CLb/-CLm/-CLf v.72](#) | 847.2 kB

Firmware mvHYPERION-CLb/-CLm/-CLf v.72

Manuali

 [mvHYPERION technical manual \(chm\)](#) | 2,770.1 kB


mvHYPERION Technisches Handbuch / Technical Manual

[Hinweis](#) / [Note](#)

 [mvHYPERION technical manual \(pdf\)](#) | 2,526.5 kB

mvHYPERION Technisches Handbuch / Technical Manual

Datasheets

 [mvHYPERION-Series e 2016-07 MR](#) | 4,661.5 kB

Datenblatt / Datasheet mvHYPERION

Passibile di modifiche senza preavviso, datato 10/2011