

Carte d'acquisition vidéo 4 canaux - mvSIGMA-SQ

Abandonné



- Carte d'acquisition vidéo 4 canaux
- 16 entrées vidéo couleur / Noir et Blanc
- 16 entrées / 8 sorties
- PCI
- Solution idéale pour l'acquisition et l'affichage de multiples voies vidéo analogiques en vidéo surveillance.

Les cartes d'acquisition mvSIGMA-SQ possèdent 4 numériseurs de signaux vidéo Noir et Blanc ou couleur composite. Les 16 entrées vidéo possibles peuvent être dirigées indépendamment sur l'un des 4 numériseurs. C'est donc un produit idéal pour la vidéo surveillance numérique, tant par la possibilité d'afficher de multiples entrées vidéo, que de numériser à cadence maximale 4 signaux vidéo en même temps.

Les entrées/sorties numériques permettent de gérer des entrées "alarme" ou des sorties variées. Un "watchdog" matériel permet de s'assurer d'un redémarrage du système de surveillance le cas échéant.

/* */

- Matériel
- Logiciel
- Comp. de cartes "mvSIGMA"
- Dom. d'application
- Téléchargem.

- 16 gray / CVBS or 4 x YC video inputs
- Each channel equals one mvDELTA, but with 16 input analog MUX
- Automatic or fixed gain
- Scaler and color space conversion
- 16/8 digital I/O signals

- 4 parallel, independent acquisition channels
- Free input assignment to any channel
- Hardware assisted fast input switching
- Local PCI bus frees load on system PCI
- Opt. watchdog for automatic restart of the complete system

- [mvIMPACT Acquire](#) pilotes pour Windows® et Linux® (→)

Signal input

Family		mvDELTA		mvSIGMA	
Product		(Cinch)	BNC	SLC	SQ
Inputs	CVBS	4	4	4	16
	YC	1 + 3x CVBS	-	4	4
	Gray/VBS	4	4	4	16
	RGB	-	-	-	-
	Digital	-	-	-	-
Parallel acquisition inputs	Number	1	1	1	4
	RGB/ Multispectral	-	-	-	-
	Synchronous / asynchronous	-/-	-/-	-/-	yes / yes
A/D converter		8 bit	8 bit	8 bit	8 bit
Standards	CCIR-601, RS-170	yes	yes	yes	yes
	Variable/ Slow Scan	-	-	-	-
	PAL, NTSC, SECAM	yes	yes	yes	yes
Low pass filter (analog) switchable		-	-	-	-
Restart / Reset		-	-	-	-
Sensor geometry	Area	yes	yes	yes	yes
	Line	-	-	-	-
Termination	Ohm / switchable	75 / no	75 / no	75 / no	75 / no optional: yes
Coupling / Level Offset		AC	AC	AC	AC
Analog Gain	Manual / AGC	yes / yes	yes / yes	yes / yes	yes / yes
Plug connector		4 x Cinch + 1 x	4 x BNC	D-Sub 26 + 1 x	2x D-Sub 26

Resolution

Family		mvDELTA		mvSIGMA	
Product		(Cinch)	BNC	SLC	SQ
Digitalization	Pixel H x V	768 x 576 (50 Hz) 640 x 480 (60 Hz)	768 x 576 (50 Hz) 640 x 480 (60 Hz)	768 x 576 (50 Hz) 640 x 480 (60 Hz)	768 x 576 (50 Hz) 640 x 480 (60 Hz)
Memory	Pixel H x V	0..768 x 0..576 (50 Hz) 0..640 x 0..480 (60 Hz)	0..768 x 0..576 (50 Hz) 0..640 x 0..480 (60 Hz)	0..768 x 0..576 (50 Hz) 0..640 x 0..480 (60 Hz)	0..768 x 0..576 (50 Hz) 0..640 x 0..480 (60 Hz)

Pixel clock

Family		mvDELTA		mvSIGMA	
Product		(Cinch)	BNC	SLC	SQ
Frequency	with 50 Hz	17.7 MHz	17.7 MHz	17.7 MHz	17.7 MHz
	with 60 Hz	14.3 MHz	14.3 MHz	14.3 MHz	14.3 MHz

Digital ports

Family		mvDELTA		mvSIGMA	
Product		(Cinch)	BNC	SLC	SQ
Inputs	Ext. pixel clock	-	-	-	-
	HD, VD	-	-	1	-
	Trigger	-	-	-	4 = 1 DigIn trigger capable
	Threshold programmable	-	-	-	ja
Outputs	General inputs	-	-	4	16
	TTL outputs	-	-	4	-
	Relay	-	-	-	-
	Highside drivers	-	-	-	8 (12 V) or ext. VDD > 12 V

Image processing processor

Family		mvDELTA		mvSIGMA	
Product		(Cinch)	BNC	SLC	SQ
Name		-	-	-	-

Bus

Family		mvDELTA		mvSIGMA	
Product		(Cinch)	BNC	SLC	SQ
System		PCI 32 bit / 33 MHz rev. 2.1	PCI 32 bit / 33 MHz rev. 2.1	PCI 32 bit / 33 MHz rev. 2.1	PCI 32 bit / 33 MHz rev. 2.1
Signal level		5V	5V	5V	3.3V or 5V

Transfer	DMA, 0-wait bursts, max. 132 MB/s	DMA, 0-wait bursts, max. 132 MB/s	DMA, 0-wait bursts, max. 132 MB/s	DMA, 0-wait bursts, max. 132 MB/s
CPCI version	-	-	-	-

Output processing

Family		mvDELTA		mvSIGMA	
Product		(Cinch)	BNC	SLC	SQ
Scaling	only down- scaling max. 1:16	yes	yes	yes	yes
Filtering	2,3,4 or 5 tap vertical filter	yes	yes	yes	yes
Pixel formats	RGB (8 / 15 / 16 / 24 / 32 bit)	yes	yes	yes	yes
	YC (16 bit planary / packed)	yes	yes	yes	yes
	GRAY (8 bit)	yes	yes	yes	yes

Video output

Family		mvDELTA		mvSIGMA	
Product		(Cinch)	BNC	SLC	SQ
Signal	RGB	-	-	-	-
	CVBS / YUV	-	-	yes (select. input - signal)	-

Sync output

Family		mvDELTA		mvSIGMA	
Product		(Cinch)	BNC	SLC	SQ
Signal		-	-	-	-

Camera power supply

Family		mvDELTA		mvSIGMA	
Product		(Cinch)	BNC	SLC	SQ
Via PCI	12V	-	-	700mA	700mA
Via additional power plug	12V	-	-	1.5A	1.5A

Power requirements

Family		mvDELTA		mvSIGMA	
Product		(Cinch)	BNC	SLC	SQ
PCI	5V	210mA	210mA	300mA	1.5A
	12V	-	-	50mA	200mA

Dimensions

Family		mvDELTA		mvSIGMA	
Product		(Cinch)	BNC	SLC	SQ
Board	Length (mm)	123	123	125	150
	Width (mm)	95	95	76	106

Ambient conditions

Family		mvDELTA		mvSIGMA	
Product		(Cinch)	BNC	SLC	SQ
Permissible ambient temperature		0 .. 50 °C	0 .. 50 °C	0 .. 50 °C	0 .. 50 °C
Permissible storage temperature		-20 .. 70 °C	-20 .. 70 °C	-20 .. 70 °C	-20 .. 70 °C
Relative humidity		10-90%, non-condensing	10-90%, non-condensing	10-90%, non-condensing	10-90%, non-condensing

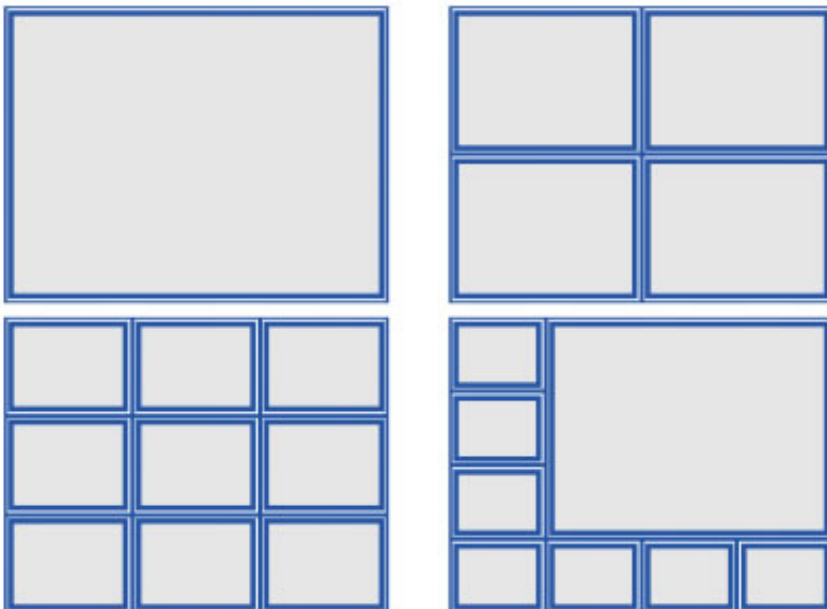
Software

Family		mvDELTA		mvSIGMA	
Product		(Cinch)	BNC	SLC	SQ
Drivers	Windows®	XP / Vista / 7 (32 bit / 64 bit)	XP / Vista / 7 (32 bit / 64 bit)	XP / Vista / 7 (32 bit / 64 bit)	XP / Vista / 7 (32 bit / 64 bit)
	Linux®	yes	yes	yes	yes
	Twain	yes	yes	yes	yes

All data refer to the current revision.

- Simultaneous capture of multiple cameras
- Visualization

- Fast input switching
- Live split screen display



Split screen samples

Pilotes et applications pour Windows 7, 8.1 (mvIMPACT Acquire)

Depuis la version 2.10.1 de mvIMPACT Acquire, les "Merge Modules for mvIMPACT Acquire" sont disponibles en téléchargement séparé.

Pour cette raison, les pilotes sont plus petits. Les "Merge Modules" ont besoin pour créer des séquences de configuration privés avec les pilotes "mvIMPACT Acquire". Plus de détails sont disponibles dans le [manuel mvIMPACT Acquire](#).

 [mvDELTA_mvSIGMA_x86_2.45.0.msi](#) | 78,064.0 kB

mvDELTA / mvSIGMA 32 Bit Windows (7, 8.1, 10)

 [mvDELTA_mvSIGMA_x86_64_2.45.0.msi](#) | 96,884.0 kB

mvDELTA / mvSIGMA 64 Bit Windows (7, 8.1, 10)

Ab Version 2.5.0 ist der Treiber nicht mehr WHQL zertifiziert / Since version 2.5.0, the driver is not WHQL certified anymore

 [mvIMPACT_Acquire.history](#) | 924.2 kB

mvIMPACT Acquire History-Datei / mvIMPACT Acquire history file

Versions antérieures des pilotes

Pour visualiser ou télécharger les pilotes, vous devez être [enregistré](#) ou [connecté](#).

Pilotes et applications pour Linux 2.6 - 3.x.x (mvIMPACT Acquire)

On request

Logiciels additionnels pour NeuroCheck, LabVIEW, DirectShow, VisionPro et Halcon

Since version 1.10.69, the **DirectShow**® driver is part of the mvIMPACT Acquire installation package.


Since version 1.10.85, an interface to **VisionPro**® (Cognex) will be installed automatically when installing an MSI based mvIMPACT Acquire driver package.

mvIMPACT Acquire bindings for **HALCON** are available on MVTec's website:


<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

mvSDK pour Windows (désapprouver)

 [mvSL32 4.1.17.54](#) | 640.5 kB

mvDELTA / mvSIGMA 32 Bit Windows (XP, Vista, 7; mvSIGMA-SLC: > Hardware Revision 3.10)

Gerätetreiber (**nicht** mvIMPACT Acquire) / device driver (**not** mvIMPACT Acquire)

 [mvSL32 4.1.17.54.history](#) | 29.1 kB

32 Bit mvDELTA / mvSIGMA History-Datei / 32 Bit mvDELTA / mvSIGMA history file

mvSDK pour Linux (désapprouver)

 [README](#) | 5.3 kB

Readme-Datei mit Installationshinweisen des Gerätetreibers (nicht mvIMPACT Acquire) / Readme file with installation guide for device driver (not mvIMPACT Acquire)

 [dist_slx-4.1.17.54-1](#) | 3,392.7 kB

mvDELTA / mvSIGMA 32 Bit **Release** Linux

Gerätetreiber (**nicht** mvIMPACT Acquire) / device driver (**not** mvIMPACT Acquire)

 [dist_slx-4.1.17.54-1.history](#) | 28.7 kB

32 Bit mvDELTA / mvSIGMA History-Datei / 32 Bit mvDELTA / mvSIGMA history file

Documentations

 [mvDELTA / mvSIGMA technical manual \(chm\)](#) | 713.1 kB

mvDELTA / mvSIGMA Technisches Handbuch / Technical Manual

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

 [mvDELTA / mvSIGMA technical manual \(pdf\)](#) | 688.8 kB

mvDELTA / mvSIGMA Technisches Handbuch / Technical Manual

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

 [mvDELTA/mvSIGMA technical manual \(html\)](#)

mvDELTA/mvSIGMA Technisches Handbuch / Technical Manual

 [mvIMPACT Acquire API C++](#) | 10,424.5 kB

mvIMPACT Acquire API C++ Handbuch / Manual

 [mvIMPACT Acquire API C](#) | 4,036.2 kB

mvIMPACT Acquire API C Handbuch / Manual

 [mvIMPACT Acquire API .NET](#) | 7,680.7 kB

mvIMPACT Acquire API .NET Handbuch / Manual

Brochures commerciales

 [mvDELTA e 2007-05 MR](#) | 247.6 kB

Datenblatt / Datasheet mvDELTA

 [mvSIGMA-SLC e 2006-09 MR](#) | 232.5 kB

Datenblatt / Datasheet mvSIGMA-SLC

 [mvSIGMA-SQ e 2007-05 MR](#) | 261.9 kB

Datenblatt / Datasheet mvSIGMA-SQ / mvSIGMA-SQe

Modifications possibles sans préavis, date 09/2005