

Frame Grabbers & Machine Vision Cameras

Hi-End Frame Grabbers

Vertrieb durch 

AMC – Analytik & Messtechnik GmbH Chemnitz

Heinrich-Lorenz-Str. 55 Tel.: +49/371/38388-0
 09120 Chemnitz Fax: +49/371/38388-99
 E-Mail: info@amc-systeme.de Web: www.amc-systeme.de



Model		Axion-1xE	Axion-2xE	Axion-4xB	Claxon-CXP1	Claxon-CXP2	Claxon-CXP4
Camera Interface	Compatibility	Camera Link 2.0			CXP-12		
	Configuration	Base/Med/Full/79-Bit		Base	-		
	Camera Number	1	2	4	1	2	4
	Speed	-			3/6/12 Gbps		
	Connector	SDR Camera Link connectors			Micro BNC		
	Bus Interface	PCIe x4 Gen 2.0 (also works in x8 and x16 slots)			PCIe x4 Gen 2.0	PCIe x8 Gen3	
Processor and Software	Processor Architecture	x86, ARM64					
Support Package	Operating System	Windows 7, 8, 10 (x86 only), Linux SDK C, C++, C#, Python				Windows 7, 8, 10 (x86 only), Linux SDK C, C++, C#, Python	
Power Requirements	Input voltage	12 VDC direct from PCIe slot, or AT/ATX system power input					
	Overload Current protection	Present					
	Connection	AT/ATX Power Jack					
	Power Output	Supports both PoCL and non-PoCL cameras with SafePower			up to 13W, 24 V _{DC} each CXP link (total max. 52W with AT/ATX system power input)		
Environment	Operating Temperature	0 ~ 50°C (32 ~ 122°F)					
	Storage Temperature	-20 ~ 80°C (-4 ~ 176°F)					
	Operating Humidity	5 ~ 95% RH					
Mechanic	Dimension (W x D)	174 x 106 mm	174 x 106 mm	174 x 106 mm	140 x 77 mm	174 x 106 mm	174 x 106 mm
Certification	Compliance	FCC CE Class A					

✓ : supported, - : not supported, Δ : optional

Frame Grabbers & Machine Vision Cameras

Frame Grabber



Model	PCIE-1154-BE	PCIE-1158	PCIE-1672E	PCIE-1674E	PCIE-1182	
Power Requirements	Input voltage	12 V _{DC} direct from PCIe slot with optional 12 V _{DC} AT/ATX				
	Overload Current protection	Device auto recover after Fuse tripped when rated currents > 2A				
	Connection	AT/ATX Power Jack				
	Power Output	5 V _{DC} power output, max. 4.5W per port	48 V _{DC} PoE Power output, Max. 25.4W (1 port) (total Max. 60W (2 ports) with AT/ATX System power			
Environment	Operating Temperature	0 ~ 60°C (32 ~ 140°F)	0 ~ 50°C (32 ~ 122°F)	0 ~ 60°C (32 ~ 140°F)		
	Storage Temperature	-20 ~ 80°C (-4 ~ 176°F)				
	Operating Humidity	5 ~ 95% RH				
Mechanic	Dimension (W x D)	153 x 106 mm (6.02" x 4.17")	165 x 110 mm (6.49" x 4.33")	167 x 68.9 mm (6.57" x 2.71") PCIe low profile		
	Communication	USB 3.0	GigE		10 GigE	
Communication	Interface/Compatibility	USB 3 Vision	IEEE 802.3, IEEE 802.3u, IEEE802.3ab, IEEE802.3x, IEEE802.3af, IEEE802.3at			
	Speed	5Gbps	10/100/1000 Mbps		10,000/5,000/1,000 Mbps	
	No. of Ports	4	8	2	4	2
	Port Connector	USB3 Type A		8-pin RJ45 copper		
	Bus Interface	PCI Express Gen2 x4 (up to 2.0 GB/s)				PCIe Gen3 x 4
	Jumbo Frame	-		9KB		-
	Controller	Renesas μPD720202		Intel® Ethernet Controller I350		Intel® Ethernet Controller X550
Safety	ESD	8KV (air), 4KV (contact)				
	EFT	2 KV				
	Surge Protection	1 KV				
	Isolation Protection	2.5 KV				
Digital Input/Output	No. of Channels	-	-	-	4 input and output	
	Input/Output range	-	-	-	0-30V opto-isolated	
	Max. Frequency	-	-	-	1KHz	
	Digital Input interrupt	-	-	-	Falling and rising edge, normal and invert	

✓: supported, -: not supported, Δ: optional

Vertrieb durch 

AMC – Analytik & Messtechnik GmbH Chemnitz

Heinrich-Lorenz-Str. 55 Tel.: +49/371/38388-0
 09120 Chemnitz Fax: +49/371/38388-99
 E-Mail: info@amc-systeme.de Web: www.amc-systeme.de

- 1 Edge Software and Industry Solutions
- 2 Intelligent HMI and Monitors
- 3 Automation Computers
- 4 Intelligent Systems
- 5 Mission Critical Compact PCI Platforms
- 6 Intelligent Transportation & Substation Certified Platforms
- 7 Industrial Server & Cloud Solution
- 8 AI & Advanced Computer Vision
- 9 Video Infrastructures Solutions
- 10 Network & Security Solutions
- 11 Industrial Communication
- 12 Industrial Gateways
- 13 EtherCAT Solutions and Automation Controllers
- 14 Intelligent Motion Control Solutions
- 15 Data Acquisition (DAQ) Solutions
- 16 Remote I/O, Wireless I/O & Sensors
- 17 Serial/USB Communications

Frame Grabbers & Machine Vision Cameras

Industrial Cameras (GigE)

Vertrieb durch


AMC – Analytik & Messtechnik GmbH Chemnitz

 Heinrich-Lorenz-Str. 55 Tel.: +49/371/38388-0
 09120 Chemnitz Fax: +49/371/38388-99
 E-Mail: info@amc-systeme.de Web: www.amc-systeme.de


Model	QCAM-GM0640-121CE	QCAM-GM0720-290CE	QCAM-GM1440-073CE	QCAM-GM2500-014DE	QCAM-GM2440-020CE	QCAM-GM5400-005CE
Resolution	659 x 494	720 x 540	1440 x 1080	2590 x 1942	2448 x 2048	5472 x 3648
Frame Rate	134	291	73	14	23	5
Pixel Size (µm)	5.6 x 5.6	6.9 x 6.9	3.45 x 3.45	2.2 x 2.2	3.45 x 3.45	2.4 x 2.4
Mono/ Color	Mono	Mono	Mono	Mono	Mono	Mono
Sensor	Company	SONY	SONY	e2v	Onsemi	SONY
	Model	ICX618 replacement	IMX287	EV76C570	MT9P031	MT9J003
	Shutter	Global	Global	Global	rolling	rolling
	Size	1/4"	1/2.9"	1/2.9"	1/2.5"	2/3"
Type	CMOS					
Input	1					
Output	1					
Power Requirements	PoE or 12 V _{DC}					
Power Consumption	2.7 W	2.9 W	2.1 W	2.2 W	3.3 W	2.6 W
Lens Mount	C					
Dimension (W x H x D)	42.0 x 29.0 x 29.0 mm					
Weight	90 g					
Operating Temperature	0°-50°C					

Industrial Cameras (USB)



Model	QCAM-UC0640-750CE/QCAM-UM0640-750CE	QCAM-UC0720-520CE/QCAM-UM0720-520CE	QCAM-UC1300-200CE/QCAM-UM1300-200CE	QCAM-UC1440-220CE/QCAM-UM1440-220CE	QCAM-UC2440-035CE/QCAM-UM2440-035CE	QCAM-UC2590-060CE/QCAM-UM2590-060CE
Resolution	640 x 480	720 x 540	1280 x 1024	1440 x 1080	2488 x 2048	2592 x 1944
Frame Rate	751	525	203	227	35	60
Pixel Size (µm)	4.8 x 4.8	6.9 x 6.9	4.8 x 4.8	3.45 x 3.45	3.45 x 3.45	2 x 2
Mono/ Color	Color/Mono	Color/Mono	Color/Mono	Color/Mono	Color/Mono	Color/Mono
Sensor	Company	Onsemi	SONY	Onsemi	SONY	Sony
	Model	PYTHON 300	IMX287	PYTHON 1300	IMX273	IMX 264
	Shutter	Global	Global	Global	Global	Rolling
	Size	1/4"	1/2.9"	1/2"	1/2.9"	2/3"
Type	CMOS					
Input	1					
Output	1					
Power Requirements	Via USB3.0 interface					
Power Consumption	2.8 W	3 W	3 W	3.3 W	2.7W	2.6W
Lens Mount	C					
Dimension (W x H x D)	29.3 x 29.0 x 29.0 mm					42.8 x 29 x 29 mm
Weight	80 g					90g
Operating Temperature	0°-50°C					0°-60°C

✓: supported, -: not supported, Δ: optional

Video Capture Cards

Vertrieb durch 

AMC – Analytik & Messtechnik GmbH Chemnitz

Heinrich-Lorenz-Str. 55 Tel.: +49/371/38388-0
 09120 Chemnitz Fax: +49/371/38388-99
 E-Mail: info@amc-systeme.de Web: www.amc-systeme.de



Model		DVP-7011HE-1	DVP-7011HEL	DVP-7011MUHE	DVP-7012HEL	DVP-7012UHEL	DVP-7017HE-1	DVP-7019HE-1	DVP-7024UHEL	DVP-7025UHE
Video	Compression	SW	SW	SW	SW	SW	SW	SW	SW	SW
	Channels	1	1	1	1	1	1	1	2	2
	Host Interface	PCIe x 1 (Gen2)	PCIe x 1 (Gen2)	M.2 (PCIex4)	PCIe x 1 (Gen2)	PCIe x 4 (Gen2)	Mini PCIe x 1 (Gen2)	PCIe x 1 (Gen2)	PCIe x 4 (Gen2)	PCIe x 4 (Gen2)
	Input Interface	1 x HDMI, 1 x DVI-I, 1 x YPbPr, 1 x SDI, 1 x CVBS, 1 x S Video	1 x DVI-I, 1 x SDI	1 x HDMI 2.0	1 x HDMI, 1 x S-Video, 1 x CVBS	1 x 12G-SDI, 1 x HDMI 2.0	1 x SDI	1 x SDI, 1 x DVI-I	2 x HDMI 2.0	2 x 12G-SDI 2 x 6G-SDI 4 x 3G-SDI
Max. Resolution	1920 x 1080p @60/50fps	1920 x 1080p @60/50fps	4096 x 2160 @60/50/30/25/24fps	1920 x 1080p @60/50fps	4096 x 2160 @60/50fps	1920 x 1080p @60/50fps	1920 x 1080p @30/25/24fps	4096 x 2160 @60/50/30/25/24fps	4096 x 2160 @60/50fps	
Watchdog		-	Yes	-	Yes	-	-	-	-	-
Physical Characteristic	Operating Temperature	-20 ~ 70°C (-4 ~ 158°F)	-20 ~ 70°C (-4 ~ 158°F)	-20 ~ 70°C (-4 ~ 158°F)	-20 ~ 70°C (-4 ~ 158°F)	-20 ~ 70°C (-4 ~ 158°F)	-20 ~ 70°C (-4 ~ 158°F)	-20 ~ 70°C (-4 ~ 158°F)	-20 ~ 70°C (-4 ~ 158°F)	-20 ~ 70°C (-4 ~ 158°F)
	Dimensions (W x H x D)	94.43 x 101.01 mm	96 x 68.9 mm PCIe Low Profile	22 x 80 mm M.2 Type M	100 x 68.87 mm PCIe Low Profile	126.96 x 68.9 mm PCIe Low Profile	30 x 50.95 mm MiniPCIe	104.91 x 68.9 mm PCIe Low Profile	139.71 x 68.9 mm PCIe Low Profile	153.95 x 101.01 mm
	Safety	CE/FCC	CE/FCC	CE/FCC	CE/FCC	CE/FCC	CE/FCC	CE/FCC	CE/FCC	CE/FCC
Operating System		Windows 7/ Windows 8/ Windows 8.1/ Windows 10 Linux 4.8 or Higher (32-bit and 64-bit) Linux ARM NVIDIA Jetson TX2, NANO, AGX Xavier, Xavier NX	Windows 7/ Windows 8/ Windows 8.1/ Windows 10 Linux 4.8 or Higher (32-bit and 64-bit) Linux ARM NVIDIA Jetson TX2, NANO, AGX Xavier, Xavier NX	Windows 7/ Windows 8/ Windows 8.1/ Windows 10 Linux 4.8 or Higher (32-bit and 64-bit) Linux ARM NVIDIA Jetson TX2, NANO, AGX Xavier, Xavier NX	Windows 7/ Windows 8/ Windows 8.1/ Windows 10 Linux 4.8 or Higher (32-bit and 64-bit) Linux ARM NVIDIA Jetson TX2, NANO, AGX Xavier, Xavier NX	Windows 7/ Windows 8/ Windows 8.1/ Windows 10 Linux 4.8 or Higher (32-bit and 64-bit) Linux ARM NVIDIA Jetson TX2, NANO, AGX Xavier, Xavier NX	Windows 7/ Windows 8/ Windows 8.1/ Windows 10 Linux 2.6.14 or Higher (32-bit and 64-bit) Linux ARM NVIDIA Jetson TX2, NANO, AGX Xavier, Xavier NX	Windows 7/ Windows 8/ Windows 8.1/ Windows 10 Linux 2.6.14 or Higher (32-bit and 64-bit) Linux ARM NVIDIA Jetson TX2, NANO, AGX Xavier, Xavier NX	Windows 7/ Windows 8/ Windows 8.1/ Windows 10 Linux 4.8 or Higher (32-bit and 64-bit) Linux ARM NVIDIA Jetson, TX2, NANO, AGX Xavier, Xavier NX	Windows 7/ Windows 8/ Windows 8.1/ Windows 10 Linux 4.8 or Higher (32-bit and 64-bit) Linux ARM NVIDIA Jetson, TX2, NANO, AGX Xavier, Xavier NX



Model		DVP-7031HE-1	DVP-7031MHE	DVP-7031UHE	DVP-7033UHE	DVP-7035HE	DVP-7036HE	DVP-7037HEL	DVP-7044-HE	DVP-7111UHE
Video	Compression	SW	SW	SW	SW	SW	SW	SW	SW	SW
	Channels	4	4	4	4	4	4	4	8	1
	Host Interface	PCIe x 4 (Gen2)	M.2 (PCIex4)	PCIe x 8 (Gen2)	PCIe x 8 (Gen2)	PCIe x 4 (Gen2)	Mini PCIe x 1 (Gen2)	PCIe x 1 (Gen2)	PCIe x 4 (Gen2)	PCIe x 4 (Gen2)
	Input Interface	4 x HDMI 2.0	4 x HDMI 2.0	4 x HDMI 2.0	4 x 12G SDI	4 x TVI	4 x TVI	4 x TVI	8 x GMSL	1 x HDMI 2.0
Max. Resolution	1920 x 1080p @60/50fps	1920 x 1080p @60/50fps	3840 x 2160 @60/50/30/25/24fps	3840 x 2160p @60/50fps	1920 x 1080p@30/25fps	1920 x 1080p@30/25fps	1920 x 1080p@30/25fps	1920 x 1080p@30/25fps	1920 x 1080p @60/50fps	4096 x 2160p@60/50fps
Watchdog		Yes	-	-	-	Yes	-	Yes	-	Yes
Physical Characteristic	Operating Temperature	-20 ~ 70°C (-4 ~ 158°F)	-20 ~ 70°C (-4 ~ 158°F)	-20 ~ 70°C (-4 ~ 158°F)	-20 ~ 70°C (-4 ~ 158°F)	-20 ~ 70°C (-4 ~ 158°F)	-20 ~ 70°C (-4 ~ 158°F)	-20 ~ 70°C (-4 ~ 158°F)	-20 ~ 70°C (-4 ~ 158°F)	-20 ~ 70°C (-4 ~ 158°F)
	Dimensions (W x H x)	111.74 x 101.01 mm	22 x 80 mm M.2 Type M	130.49 x 101.01 mm	140.97 x 101.01 mm	128 x 101.01 mm	30 x 50.95 mm	96.49 x 68.9 mm PCIe Low Profile	162.95 x 96.53 mm	120 x 68.9 mm PCIe Low Profile
	Safety	CE/FCC	CE/FCC	CE/FCC	CE/FCC	CE/FCC	CE/FCC	CE/FCC	CE/FCC	CE/FCC
Operating System		Windows 7/ Windows 8/ Windows 8.1/ Windows 10 Linux 4.8 or Higher (32-bit and 64-bit) Linux ARM NVIDIA Jetson TX2, NANO, AGX Xavier, Xavier NX	Windows 7/ Windows 8/ Windows 8.1/ Windows 10 Linux 2.6.14 or Higher (32-bit and 64-bit) Linux ARM NVIDIA Jetson TX2, NANO, AGX Xavier, Xavier NX	*Windows 7/ Windows 8/ Windows 8.1/ Windows 10 Linux 4.8 or Higher (32-bit and 64-bit) Linux ARM NVIDIA Jetson TX2, NANO, AGX Xavier, Xavier NX*	Windows 7/ Windows 8/ Windows 8.1/ Windows 10 Linux 4.8 or Higher (32-bit and 64-bit) Linux ARM NVIDIA Jetson, TX2, NANO, AGX Xavier, Xavier NX	Windows 7/ Windows 8/ Windows 8.1/ Windows 10 Linux 2.6.14 or Higher (32-bit and 64-bit) Linux ARM NVIDIA Jetson TX2, NANO, AGX Xavier, Xavier NX	Windows 7/ Windows 8/ Windows 8.1/ Windows 10 Linux 2.6.14 or Higher (32-bit and 64-bit) Linux ARM NVIDIA Jetson TX2, NANO, AGX Xavier, Xavier NX	Windows 7/ Windows 8/ Windows 8.1/ Windows 10 Linux 4.8 or Higher (32-bit and 64-bit) Linux ARM NVIDIA Jetson TX2, NANO, AGX Xavier, Xavier NX	Windows 7/ Windows 8/ Windows 8.1/ Windows 10 Linux 4.8 or Higher (32-bit and 64-bit) Linux ARM NVIDIA Jetson TX2, NANO, AGX Xavier, Xavier NX	Windows 7/ Windows 8/ Windows 8.1/ Windows 10 Linux 4.8 or Higher (32-bit and 64-bit) Linux ARM NVIDIA Jetson TX2, NANO, AGX Xavier, Xavier NX

✓: supported, -: not supported, Δ: optional

- 1 Edge Software and Industry Solutions
- 2 Intelligent HMI and Monitors
- 3 Automation Computers
- 4 Intelligent Systems
- 5 Mission Critical Compact PCI Platforms
- 6 Intelligent Transportation & Substation Certified Platforms
- 7 Industrial Server & Cloud Solutions
- 8 AI & Advanced Computer Vision
- 9 Video Infrastructures Solutions
- 10 Network & Security Solutions
- 11 Industrial Communication
- 12 Industrial Gateways
- 13 EtherCAT Solutions and Automation Controllers
- 14 Intelligent Motion Control Solutions
- 15 Data Acquisition (DAQ) Solutions
- 16 Remote I/O, Wireless I/O & Sensors
- 17 Serial/USB Communications