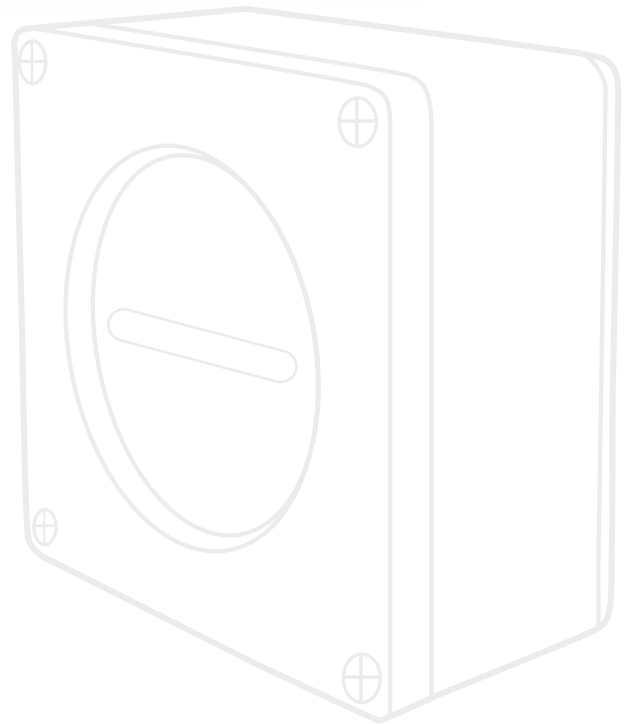
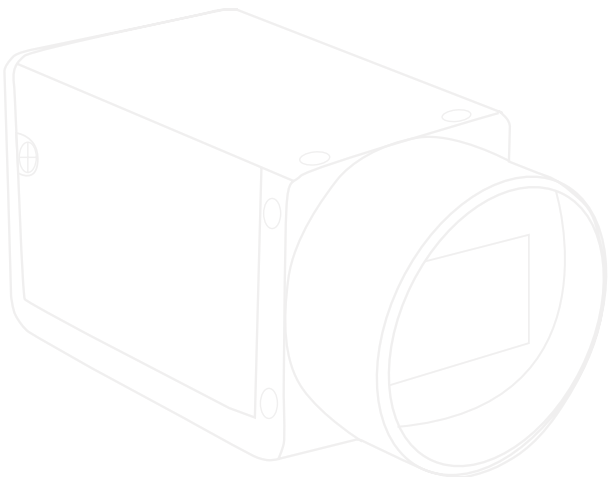




# Mars Series Cameras

- Outstanding price-performance ratio
- USB3.0 / GigE / 10GigE / CameraLink / CoaXPress optional
- Optional pixels: VGA to 604MP
- Extensive sensor selection



**GiGE**  
VISION

**USB**  
VISION

**CAMERA**  
**Link**

**CoaXPress**

**10GiGE**  
VISION

Model No.	Sensor	Resolution [HxV pixels]	Frame Rate [fps]	Pixel Size [ $\mu\text{m}^2$ ]	Sensor Size	Bit Depth	Mono/Color	Interface	Shutter Type
Mars640-120gm/gc	Onsemi Python300	640 x 480	120	4.8	1/4"	8/10	M/C	GigE, PoE	Global
Mars640-300gm/gc	Onsemi Python300	640 x 480	300	4.8	1/4"	8/10	M/C	GigE, PoE	Global
Mars720S-300gm/gc	SONY IMX287	720 x 540	300	6.9	1/2.9"	12	M/C	GigE, PoE	Global
Mars800-120gm/gc	Onsemi Python480	800 x 600	120	4.8	1/3.6"	8/10	M/C	GigE, PoE	Global
Mars800-200gm/gc	Onsemi Python500	800 x 600	200	4.8	1/3.6"	8/10	M/C	GigE, PoE	Global
Mars1200H-30gm/gc	Sharp RJ33J4	1280 x 960	30	3.75	1/3"	14	M/C	GigE, PoE	Global
Mars1300P-90gm/gc	Onsemi Python1300	1280 x 1024	90	4.8	1/2"	8/10	M/C	GigE, PoE	Global
Mars1300-75gm-NIR	Onsemi Python1300	1280 x 1024	75	4.8	1/2"	8/10	NIR	GigE, PoE	Global
Mars1300S-85gm/gc	SS	1280 x 1024	89.9	4	1/2.7"	8/10	M/C	GigE, PoE	Global
Mars1300D-80gm	-	1280 x 1024	80	4.8	1/2"	12	M/C	GigE, PoE	Global
Mars1440S-77gm/gc	SONY IMX273	1440 x 1080	77	3.45	1/2.9"	12	M/C	GigE, PoE	Global
Mars2000-50gm/gc	Onsemi Python2000	1920 x 1200	50	4.8	2/3"	8/10	M/C	GigE, PoE	Global
Mars2000S-60gm/gc	SONY IMX430	1624 x 1240	60	4.5	1/1.7"	12	M/C	GigE, PoE	Global
Mars2000S-22gm/gc	SONY IMX290	1920 x 1080	22	2.9	1/2.8"	8/10	M/C	GigE, PoE	Rolling
Mars2300S-40gm/gc	SONY IMX249	1920 x 1200	38.7	5.86	1/1.2"	12	M/C	GigE, PoE	Global
Mars2300X-52gm <b>NEW</b>	Onsemi XGS2000	1920 x 1200	52	3.2	1/2.2"	12	M	GigE, PoE	Global
Mars3000S-35gm/gc	SONY IMX265	2048 x 1536	36	3.45	1/1.8"	12	M/C	GigE, PoE	Global
Mars5000C-28gm/gc <b>NEW</b>	CMOSIS CMV4000	2048 x 2048	28	5.5	1"	10	M/C	GigE, PoE	Global
Mars5000-20gm/gc	Onsemi Python5000	2592 x 2048	20	4.8	1"	8/10	M/C	GigE, PoE	Global
Mars5000-20gm-NIR	Onsemi Python5000	2592 x 2048	20	4.8	1"	8/10	NIR	GigE, PoE	Global
Mars5000S-20gm/gc	SONY IMX264	2448 x 2048	23	3.45	2/3"	12	M/C	GigE, PoE	Global
Mars5000S-24gmp	SONY IMX250MZR	2448 x 2048	24	3.45	2/3"	12	p	GigE, PoE	Global
Mars5300X-20gm/gc <b>NEW</b>	Onsemi XGS5000	2448 x 2048	22.7	3.2	2/3"	12	M/C	GigE, PoE	Global
Mars5000A-14gm	Aptina MT9P031	2592 x 1944	14	2.2	1/2.5"	10	M/C	GigE, PoE	Rolling
Mars6000S-18gm/gc	SONY IMX178	3072 x 2048	18	2.4	1/1.8"	12	M/C	GigE, PoE	Rolling
Mars8000X-13gm	Onsemi XGS8000	4096 x 2160	13	3.2	1/1.1"	12	M	GigE, PoE	Global
Mars4072S-9gm/gc	SONY IMX226	4000 x 3000	9	1.85	1/1.7"	12	M/C	GigE, PoE	Rolling
Mars4112X-9gm-Lite	Onsemi XGS12000	4096 x 3072	9	3.2	1"	12	M	GigE, PoE	Global
Mars3800A-10gm	Aptina MT9J003	3856 x 2764	10	1.67	1/2.3"	12	M	GigE, PoE	Rolling
Mars5470S-5gm/gc	SONY IMX183	5472 x 3648	5.8	2.4	1"	8/10	M/C	GigE, PoE	Rolling

Mars GigE cameras are available with C Mount.

"-Lite":Small shell; "NIR":Near Infrared Enhanced; "DS":Discontinuation soon

### ► Accessories recommended for Gige Area Scan Cameras

Product Name	Gige	6pin Hirose I/O Cable	Power Supply
Model No.	VT-NET-3LK[CAB]	VT-Hirose6-7-0.5m	VT-GST25A12
Image Reference			

\*The pictures are for reference only, and the actual situation is subject to the manufacturer's shipping.



All product specifications are certified accurate at time of printing.

Latest specifications and availability can be found on our website [www.contrastech.com](http://www.contrastech.com).

GigE Area Scan Cameras - 29x44x58mm

Model No.	Sensor	Resolution [HxV pixels]	Frame Rate [fps]	Pixel Size [ $\mu\text{m}^2$ ]	Sensor Size	Bit Depth	Mono/Color	Interface	Shutter Type
<b>Mars4096S-13gm/gc</b>	SONY IMX267	4096 x 2160	13	3.45	1"	12	M/C	GigE, PoE	Global
<b>Mars9000S-11gm</b>	Gpixel GMAX2509	4200 x 2160	13	2.5	2/3"	12	M	GigE, PoE	Global
<b>Mars4112X-9gm/gc</b> <b>NEW</b>	Onsemi XGS12000	4096 x 3072	9	3.2	1"	12	M/C	GigE, PoE	Global
<b>Mars1760S-66gm/gc</b>	SONY IMX432	1604 x 1100	66	9.0	1.1"	12	M/C	GigE, PoE	Global
<b>Mars7MS-17gm/gc</b>	SONY IMX428	3208 x 2200	17	4.5	1.1"	12	M/C	GigE, PoE	Global
<b>Mars12MS-9gm/gc</b>	SONY IMX304	4096 x 3000	9	3.45	1.1"	12	M/C	GigE, PoE	Global
<b>Mars25M6-4gm/gc</b>	Gpixel GMAX0505	5120 x 5120	4	2.5	1.1"	12	M/C	GigE, PoE	Global

Mars GigE cameras are available with C Mount.

► Accessories recommended for Gige Area Scan Cameras

Product Name	Gige	6pin Hirose I/O Cable	Power Supply
Model No.	VT-NET-3LK[CAB]	VT-Hirose6-7-0.5m	VT-GST25A12
Image Reference			

\*The pictures are for reference only, and the actual situation is subject to the manufacturer's shipping .



GigE Area Scan Cameras - 29x29x29mm

Model No.	Sensor	Resolution [HxV pixels]	Frame Rate [fps]	Pixel Size [ $\mu\text{m}^2$ ]	Sensor Size	Bit Depth	Mono/Color	Interface	Shutter Type
<b>Mars800-120gm-NP</b>	Onsemi Python480	800 x 600	120	4.8	1/3.6"	8/10	M	GigE	Global
<b>Mars1200A-54gm/gc-NP</b>	Aptina AR0521	1280 x 960	54	3.75	1/3"	12	M/C	GigE	Rolling
<b>Mars1300-60gm-NP</b>	Onsemi Python1300	1280 x 1024	60	4.8	1/2"	8/10	M	GigE	Global
<b>Mars5000A-23gm/gc-NP</b>	Aptina AR0521	2592 x 1944	14	2.2	1/2.5"	10	M/C	GigE	Rolling
<b>Mars6000S-18gm/gc-NP</b>	SONY IMX178	3072 x 2048	18	2.4	1/1.8"	12	M/C	GigE	Rolling

Mars GigE cameras are available with C Mount.

NP = Non-power Over Ethernet

► Accessories recommended for Gige Area Scan Cameras

Product Name	Gige	6pin Hirose I/O Cable	Power Supply
Model No.	VT-NET-3LK[CAB]	VT-Hirose6-7-0.5m	VT-GST25A12
Image Reference			

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## 10 GigE Area Scan Cameras



Model No.	Sensor	Resolution [HxV pixels]	Frame Rate [fps]	Pixel Size [ $\mu\text{m}^2$ ]	Sensor Size	Bit Depth	Mono/Color	Interface	Shutter Type
<b>Mars12MS-68Tgm/Tgc</b>	SONY IMX253	4096 x 3000	68	3.45	1.1"	8/10	M/C	10GigE	Global
<b>Mars25MG-41Tgm/Tgc</b> <b>NEW</b>	Gpixel GMAX0505	5120 x 5120	41	2.5	1.1"	12	M/C	10GigE	Global
<b>Mars25MP-43Tgm/Tgc</b>	Onsemi Python25K	5120 x 5120	43	4.5	23.0 x 23.0	8/10	M/C	10GigE	Global
<b>Mars49MD-18Tgm/Tgc</b>	-	7008 x 7000	17.4	3.2	29.9 x 22.4	12	M/C	10GigE	Global
<b>Mars65MG-18Tgm/Tgc</b>	Gpixel GMAX3265	9344 x 7000	17.4	3.2	29.9 x 22.4	12	M/C	10GigE	Global
<b>Mars103MG-11Tgm</b> <b>NEW</b>	Gpixel GMAX32103	11264 x 9200	11.25	3.2	36.1 x 29.4	12	M	10GigE	Global

Mars 10GigE cameras are available with C-Mount, M58 [depending on model].

### ► Accessories recommended for 10GigE Area Scan Cameras

Product Name	10GigE Cable	12pin Hirose I/O Cable	Power Supply
Model No.	VT-HNET-3M	VT-Hirose12-13-1.5M	VT-GST25A12
Image Reference			

\*The pictures are for reference only, and the actual situation is subject to the manufacturer's shipping.


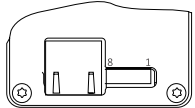

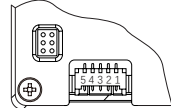
## Board Level Cameras



Model No.	Sensor	Resolution [HxV pixels]	Frame Rate [fps]	Pixel Size [ $\mu\text{m}^2$ ]	Sensor Size	Bit Depth	Mono/Color	Interface	Shutter Type
<b>Mars800-120gm-BC-CS</b>	Onsemi Python480	800 x 600	120	4.8	1/3.6"	8/10	M	GigE	Global
<b>Mars1300-60gm-BC-CS</b>	Onsemi Python1300	1280 x 1024	60	4.8	1/2"	8/10	M	GigE	Global
<b>Mars1300S-85gm-BC-CS</b> <b>NEW</b>	SS	1280 x 1024	86.5	4	1/2.7"	10	M	GigE	Global
<b>Mars6000-18gm/gc-BC</b> <b>NEW</b>	SONY IMX178	3072 x 2048	18	2.4	1/1.8"	12	M/C	GigE	Rolling
<b>Mars4072S-9gm/gc-BC</b> <b>NEW</b>	SONY IMX226	4000 x 3000	9	1.85	1/1.7"	12	M/C	GigE	Rolling
<b>Mars1200A-54uc-BL</b> <b>NEW</b>	Aptina AR0134	1280 x 960	54	4.8	1/2"	12	C	USB3	Global
<b>Mars1300-201um/uc-BC</b> <b>NEW</b>	SONY IMX264	1280 x 1024	201	4	1/2.7"	10	M/C	USB3	Global
<b>Mars1300-208um/uc-BC</b> <b>NEW</b>	SONY IMX250	1280 x 1024	208	4.8	1/2"	10	M/C	USB3	Global
<b>Mars1500S-250um/uc-BC</b>	SONY IMX273	1440 x 1080	249	3.45	1/2.9"	10	M/C	USB3	Global
<b>Mars2300S-160um/uc-BC</b>	SONY IMX174	1920 x 1200	164	5.86	1/1.2"	10	M/C	USB3	Global
<b>Mars2800S-125um-BC</b> <b>NEW</b>	SONY IMX421	1936 x 1464	125	4.5	2/3"	10	M	USB3	Global
<b>Mars3000S-120um/uc-BC</b>	SONY IMX252	2048 x 1536	120	3.45	1/1.8"	10	M/C	USB3	Global
<b>Mars5000A-48uc-BL</b> <b>NEW</b>	Aptina AR0521	2592 x 1944	48	2.2	1/2.5"	12	C	USB3	Rolling
<b>Mars6000-60um/uc-BC</b>	SONY IMX178	3072 x 2048	60	2.4	1/1.8"	10	M/C	USB3	Rolling
<b>Mars6000-60uc-BS</b>	SONY IMX178	3072 x 2048	60	2.4	1/1.8"	10	C	USB3	Rolling
<b>Mars4072S-30um/uc-BC</b>	SONY IMX226	4000 x 3000	30	1.85	1/1.7"	10	M/C	USB3	Rolling
<b>Mars12MS-23um/uc-BC</b>	SONY IMX304	4096 x 3000	23.4	3.45	1.1"	12	M/C	USB3	Global

Mars Board Level cameras are available with C,S-Mount.

### ► Accessories recommended for GigE /USB3.0 Board Level Cameras

Product Name	GigE Cable	8pin I/O Cable	Product Name	USB3.0 Cable	4/6pin I/O Cable
Model No.	VT-NET-3LK[CAB]	P8-xxM	Model No.	VT-USB3-3M[CAB-B]	VT-TR5P-xxM-MARS
Image Reference			Image Reference		

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USB3.0 Area Scan Cameras - 29x29x29mm

Model No.	Sensor	Resolution [HxV pixels]	Frame Rate [fps]	Pixel Size [ $\mu\text{m}^2$ ]	Sensor Size	Bit Depth	Mono/Color	Interface	Shutter Type
Mars640-815um/uc	Onsemi Python300	640 x 480	815	4.8	1/4"	8/10	M/C	USB3	Global
Mars720S-440um/uc	SONY IMX287	720 x 540	438	6.9	1/2.9"	8/10	M/C	USB3	Global
Mars800-545um/uc	Onsemi Python500	800 x 600	545	4.8	1/3.6"	8/10	M/C	USB3	Global
Mars1200H-33um/uc	Aptina RJ33J4	1280 x 960	33	3.75	1/3"	14	M/C	USB3	Global
Mars1300P-90um	Onsemi Python1300	1280 x 1024	90	4.8	1/2"	8/10	M	USB3	Global
Mars1300-210um/uc	Onsemi Python1300	1280 x 1024	208	4.8	1/2"	8/10	M/C	USB3	Global
Mars1300D-210um/uc	-	1280 x 1024	210	4.8	1/2"	8/10	M/C	USB3	Global
Mars1300S-200um/uc	SS	1280 x 1024	201	4.0	1/2.7"	8/10	M/C	USB3	Global
Mars1440S-250um/uc	SONY IMX273	1440 x 1080	249	3.45	1/2.9"	12	M/C	USB3	Global
Mars2000S-89um/uc	SONY IMX430	1624 x 1240	89	4.5	1/1.7"	12	M/C	USB3	Global
Mars2000S-120uc	SONY IMX290	1920 x 1080	120	2.9	1/2.8"	8/10	C	USB3	Rolling
Mars2000-150um/uc	Onsemi Python2000	1920 x 1200	150	4.8	2/3"	8/10	M/C	USB3	Global
Mars2300S-40um	SONY IMX249	1920 x 1200	38.7	5.86	1/1.2"	12	M	USB3	Global
Mars2300S-160um/uc	SONY IMX174	1920 x 1200	164	5.86	1/1.2"	8/10	M/C	USB3	Global
Mars2300S-72um/uc	Onsemi XGS2000	1920 x 1200	72	3.2	1/2.2"	12	M/C	USB3	Global
Mars2300S-167um/uc	<b>NEW</b> SONY IMX392	1920 x 1200	167	3.45	1/2.3"	10	M/C	USB3	Global
Mars3000S-55uc	<b>NEW</b> SONY IMX265	2048 x 1536	55	3.45	1/1.8"	12	C	USB3	Global
Mars3000S-120um/uc	SONY IMX252	2048 x 1536	120	3.45	1/1.8"	8/10	M/C	USB3	Global
Mars4100-90um/uc	CMOSIS CMV4000	2048 x 2048	90	5.5	1"	8/10	M/C	USB3	Global
Mars5000A-48um/uc	Aptina AR0521	2592 x 1944	48	2.2	1/2.5"	12	M/C	USB3	Rolling
Mars5000-60um/uc	Onsemi Python5000	2592 x 2048	60	4.8	1"	8/10	M/C	USB3	Global
Mars5000S-35um/uc-Lite	SONY IMX264	2448 x 2048	35	3.45	2/3"	12	M/C	USB3	Global
Mars5000S-75um/uc	SONY IMX250	2448 x 2048	75	3.45	2/3"	8/10	M/C	USB3	Global
Mars5000X-43um/uc	Onsemi XGS5000	2592 x 2048	43	3.2	2/3"	12	M/C	USB3	Global
Mars5000X-71um/uc	<b>NEW</b> Onsemi XGS5000	2592 x 2048	71	3.2	2/3"	12	M/C	USB3	Global
Mars6000S-60um/uc	SONY IMX178	3072 x 2048	60	2.4	1/1.8"	8/10	M/C	USB3	Rolling
Mars8000S-46um	<b>NEW</b> SONY IMX546	2840 x 2840	46	2.74	2/3"	12	M	USB3	Global
Mars4072S-30um/uc	SONY IMX226	4000 x 3000	30	1.85	1/1.7"	8/10	M/C	USB3	Rolling
Mars4096S-31um	<b>NEW</b> SONY IMX545	4096 x 3000	31	2.74	1/1.1"	10	M	USB3	Global
Mars5470S-18um/uc	SONY IMX183	5472 x 3648	19.2	2.4	1"	8/10	M/C	USB3	Rolling

Mars USB3.0 cameras are available with C Mount.

"-Lite":Small shell; "DS":Discontinuation soon

► Accessories recommended for USB3.0 Area Scan Cameras

Product Name	USB3.0 Cable	6pin Hirose I/O Cable
Model No.	VT-USB3-3M[CAB-B]	VT-Hirose6-7-0.5m
Image Reference		

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## USB3.0 Area Scan Cameras - 29x44x58mm



Model No.	Sensor	Resolution [HxV pixels]	Frame Rate [fps]	Pixel Size [ $\mu\text{m}^2$ ]	Sensor Size	Bit Depth	Mono/Color	Interface	Shutter Type
<b>Mars5000S-35um/uc</b>	SONY IMX264	2448 x 2048	35	3.45	2/3"	12	M/C	USB3	Global
<b>Mars4096S-32um/uc</b>	SONY IMX267	4096 x 2160	32	3.45	1"	12	M/C	USB3	Global
<b>Mars4096S-40um/uc</b>	SONY IMX255	4096 x 2160	40	3.45	1"	8/10	M/C	USB3	Global
<b>Mars4112X-30um/uc</b>	Onsemi XGS12000	4096x 3072	28.6	3.2	1"	12	M/C	USB3	Global
<b>Mars12MS-23um/uc</b>	SONY IMX304	4096 x 3000	23	3.45	1.1"	12	M/C	USB3	Global
<b>Mars12MS-30um/uc</b>	SONY IMX253	4096 x 3000	30	3.45	1.1"	8/10	M/C	USB3	Global
<b>Mars25MG-14um/uc</b>	Gpixel GMAX0505	5120 x 5120	14	2.5	1.1"	12	M/C	USB3	Global

Mars USB3.0 cameras are available with C Mount.

### ► Accessories recommended for USB3.0 Area Scan Cameras

Product Name	USB3.0 Cable	6pin Hirose I/O Cable
Model No.	VT-USB3-3M[CAB-B]	VT-Hirose6-7-0.5m
Image Reference		



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## CameraLink Area Scan Cameras



Model No.	Sensor	Resolution [HxV pixels]	Frame Rate [fps]	Pixel Size [ $\mu\text{m}^2$ ]	Sensor Size	Bit Depth	Mono/Color	Interface	Shutter Type
<b>Mars720S-350cm/cc</b>	SONY IMX287	720 x 540	349.4	6.9	1/2.9"	8/10	M/C	CameraLink	Global
<b>Mars2000P-38cm/cc</b>	Onsemi Python2000	1920 x 1200	37.8	4.8	2/3"	8/10	M/C	CameraLink	Global
<b>Mars3000S-188cm</b>	SONY IMX252	2048 x 1536	188	3.45	1/1.8"	8/10	M	CameraLink	Global
<b>Mars5000S-30cm</b>	SONY IMX264	2448 x 2048	30.2	3.45	2/3"	12	M	CameraLink	Global
<b>Mars5000S-150cm/cc</b>	SONY IMX250	2448 x 2048	150	3.45	2/3"	10	M/C	CameraLink	Global
<b>Mars8000S-27cc</b>	SONY IMX267	4096 x 2160	27	3.45	1"	8	C	CameraLink	Global
<b>Mars4112X-18cm/cc</b>	Onsemi XGS12000	4096 x 3072	18	3.2	1"	10	M/C	CameraLink	Global
<b>Mars4112X-56cm</b>	Onsemi XGS12000	4096 x 3072	56	3.2	1"	10	M	CameraLink	Global
<b>Mars12MS-20cm/cc</b>	SONY IMX304	4096 x 3000	20	3.45	1.1"	10	M/C	CameraLink	Global
<b>Mars25MG-30cm/cc</b> <b>NEW</b>	Gpixel GMAX0505	5120 x 5120	30	2.5	1.1"	10	M/C	CameraLink	Global

Mars CameraLink area scan cameras are available with C-Mount.

### ► Accessories recommended for Cameralink Area Scan Cameras

Product Name	Cameralink Cable	6/12pin Hirose I/O Cable	Power Supply
Model No.	VT-CL-1M[S-S]	VT-Hirose6-7-0.5m / VT-Hirose12-13-1.5M	VT-GST25A12
Image Reference		 6pin  12pin	

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Latest specifications and availability can be found on our website [www.visiondatum.com](http://www.visiondatum.com).

Large Area Scan Cameras



Model No.		Sensor	Resolution [HxV pixels]	Frame Rate [fps]	Pixel Size [ $\mu\text{m}^2$ ]	Sensor Size	Bit Depth	Mono/Color	Interface	Shutter Type
Mars5MG-210xm	<b>NEW</b>	Gpixel GMAX2505	2592 x 2160	210	2.5	6.5 x 5.4	12	M	CoaXPress	Global
Mars9MG-120xm	<b>NEW</b>	Gpixel GMAX2505	4192 x 2160	120	2.5	10.5 x 5.4	12	M	CoaXPress	Global
Mars12MD-85xm	<b>NEW</b>	-	4096 x 3072	85	2.5	11.27 x 10.24	12	M	CoaXPress	Global
Mars12MC-188xm/xc <sup>1</sup>		CMOSIS CMV12000	4096 x 3072	188	5.5	22.5 x 16.9	12	M/C	CoaXPress	Global
Mars12MC-330xm/xc		CMOSIS CMV12000	4096 x 3072	330	5.5	22.5 x 16.9	12	M/C	CoaXPress	Global
Mars18MG-64xm	<b>NEW</b>	Gpixel GMAX2518	4496 x 4096	64	2.5	11.27 x 10.24	12	M	CoaXPress	Global
Mars21MG-220xm		Gpixel Gsprint4521	5120 x 4096	219	4.5	23.0 x 18.4	12	M	CoaXPress	Global
Mars25MP-4gm/gc		Onsemi Python25K	5120 x 5120	4	4.5	23.0 x 23.0	10	M/C	GigE	Global
Mars25MG-41xm/xc	<b>NEW</b>	Gpixel GMAX0505	5120 x 5120	41.8	2.5	1.1"	12	M/C	CoaXPress	Global
Mars25MG-90xm/xc <sup>1</sup>	<b>NEW</b>	Gpixel GMAX0505	5120 x 5120	90	2.5	1.1"	10	M/C	CoaXPress	Global
Mars25MG-150xm/xc <sup>1</sup>		Gpixel GMAX0505	5120 x 5120	150	2.5	1.1"	12	M/C	CoaXPress	Global
Mars31MS-3gm/gc		SONY IMX342	6464 x 4852	3.6	3.45	22.3 x 16.6	12	M/C	GigE	Global
Mars31MS-25cm/cc		SONY IMX342	6464 x 4852	24.8	3.45	22.3 x 16.6	10	M/C	CameraLink	Global
Mars46MD-18cm/cc		-	9280 x 4992	17.5	3.2	29.9 x 16.0	12	M/C	CameraLink	Global
Mars46MD-2gm/gc		-	9344 x 5000	2.6	3.2	29.9 x 16.0	12	M/C	GigE	
Mars46MD-44xm/xc	<b>NEW</b>	-	9344 x 5000	44	3.2	29.9 x 16.0	12	M/C	CoaXPress	Global
Mars50MC-30xm/xc <sup>1</sup>		CMOSIS CMV50000	7920 x 6004	30	4.6	36.4 x 37.6	12	M/C	CoaXPress	Global
Mars65MG-13cm/cc		Gpixel GMAX3265	9280 x 6992	12.5	3.2	29.9 x 22.4	12	M/C	CameraLink	Global
Mars65MG-31xm/xc	<b>NEW</b>	Gpixel GMAX3265	9280 x 6992	31	3.2	29.9 x 22.4	12	M/C	CoaXPress	Global
Mars65MG-71xm/xc		Gpixel GMAX3265	9280 x 6992	71	3.2	29.9 x 22.4	12	M/C	CoaXPress	Global
Mars65MG-2gm/gc		Gpixel GMAX3265	9280 x 7000	1.7	3.2	29.9 x 22.4	12	M/C	GigE	Global
Mars150MS-5cm		SONY IMX411	14160 x 10640	5.1	3.76	53.4 x 40.0	12	M	CameraLink	Rolling
Mars150MS-6xm/xc	<b>NEW</b>	SONY IMX411	14160 x 10640	6.1	3.76	53.4 x 40.0	12	M/C	CoaXPress	Rolling
Mars150MSC-6xm/xc	<b>NEW</b>	SONY IMX411	14160 x 10640	6.1	3.76	53.4 x 40.0	12	M/C	CoaXPress	Rolling
Mars604MS-2xm/xc	<b>NEW</b>	SONY IMX411	28384 x 21280	1.55	3.76	53.4 x 40.0	8	M/C	CoaXPress	Rolling

Mars GigE large area scan cameras are available with C-Mount, M58 or F-Mount (depending on model).

Mars CL large area scan cameras are available with M58, M72 or F-Mount (depending on model).

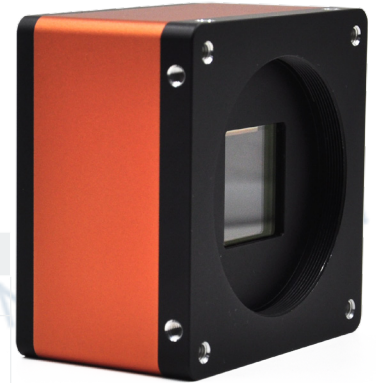
Mars CXP large area scan cameras are available with M42, M58,

M72 or F-Mount (depending on model).

<sup>1</sup> = Various mount available upon request

► Accessories recommended for Gige Large Area Scan Cameras

Product Name	Gige Cable	6/12pin Hirose I/O Cable	Power Supply
Model No.	VT-NET-3LK[CAB]	VT-Hirose6-7-0.5m / VT-Hirose12-13-1.5M	VT-GST25A12
Image Reference		6pin 12pin	



► Accessories recommended for Coaxpress/Cameralink Area Scan Cameras

Product Name	Coaxpress Cable	12pin Hirose I/O Cable	Power Supply	Product Name	CameraLink Cable	6/12pin Hirose I/O Cable	Power Supply
Model No.	VT-CX-3M	VT-Hirose12-13-1.5M	VT-GST25A12	Model No.	VT-CL-1M(S-S)	VT-Hirose6-7-0.5m / VT-Hirose12-13-1.5M	VT-GST25A12
Image Reference				Image Reference		6pin 12pin	

\*The pictures are for reference only, and the actual situation is subject to the manufacturer's shipping.

All product specifications are certified accurate at time of printing.

Latest specifications and availability can be found on our website [www.visiondatum.com](http://www.visiondatum.com).

## Line Scan Cameras



Model No.	Resolution [HxV pixels]	Line Rate [KHz]	Bit Depth	Pixel Size [ $\mu\text{m}^2$ ]	Mono / Color	Interface	Lens mount
Mars2048G-L49gm	2048 x 1	49	12	14	M	GigE	M42
Mars2048G-L49gc	2048 x 2	49	12	14	C	GigE	M42
Mars2048G-L59gm <b>TDI</b> <b>NEW</b>	2048 x 4	59	12	7	M	GigE	C
Mars2048G-L59gc	2048 x 3	59	12	7	C	GigE	C
Mars2048C-L49gm	2048 x 1	49	12	14	M	GigE	M42
Mars2048C-L49gc	2048 x 2	49	12	14	C	GigE	M42
Mars4096G-L28gm	4096 x 2	28	12	7	M	GigE	M42
Mars4096G-L28gc	4096 x 2	28	12	7	C	GigE	M42
Mars4096G-L29gm <b>TDI</b> <b>NEW</b>	4096 x 2	29	12	3.5	M	GigE	C
Mars4096C-L28gm <b>TDI</b>	4096 x 1	28	12	7	M	GigE	M42
Mars4096C-L28gc <b>TDI</b>	4096 x 2	28	12	7	C	GigE	M42
Mars8001-L13gm	8192 x 1	13	12	7	M	GigE	M72
Mars4096G-L62cc	4096 x 2	62	12	7	C	CameraLink	M42
Mars4096G-L120cm	4096 x 2	120	12	7	M	CameraLink	M42
Mars4096C-L92cc <b>NEW</b>	4096 x 2	92	8	7	C	CameraLink	M42
Mars4096C-L180cm <b>NEW</b>	4096 x 2	180	12	7	M	CameraLink	M42
Mars8001C-L80cm	8192 x 1	74	12	7	M	CameraLink	M72
Mars8004G-L100cm <b>TDI</b>	8192 x 4	100	10	5	M	CameraLink	M72
Mars8006G-L34cc <b>TDI</b>	8192 x 6	34	10	5	C	CameraLink	M72
Mars8016GS-L100cm <b>TDI</b> <b>NEW</b>	8192 x 16	100	10	5	M	CameraLink	M72
Mars16001-L50cm	16384 x 1	50	12	3.5	M	CameraLink	M72

Mars GigE line scan cameras are available with C-Mount /M42 or M72-Mount (depending on model).

Mars CL line scan cameras are available with M72-Mount.

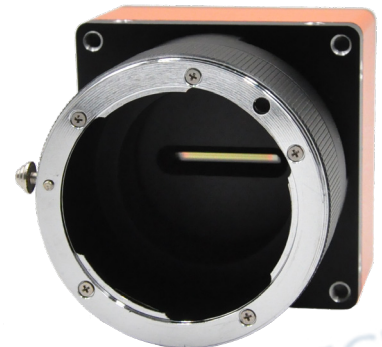
### ► Accessories recommended for Gige Line Scan Cameras

Product Name	Gige Cable	12pin Hirose I/O Cable	Power Supply
Model No.	VT-NET-3LK[CAB]	VT-Hirose12-13-1.5M	VT-GST25A12
Image Reference			

### ► Accessories recommended for Cameralink Line Scan Cameras

Product Name	Cameralink Cable	12pin Hirose I/O Cable	Power Supply
Model No.	VT-CL-1M[S-S]	VT-Hirose12-13-1.5M	VT-GST25A12
Image Reference			

\*The pictures are for reference only, and the actual situation is subject to the manufacturer's shipping .



All product specifications are certified accurate at time of printing.  
 Latest specifications and availability can be found on our website [www.contrastech.com](http://www.contrastech.com).



## Cables [GigE]

Vision Datum's high-quality GigE-compliant cables offer a robust interface for reliable high-speed data transmission. Camera-end locking screws ensure a secure interface despite the shocks and vibrations common to industrial environments. Available in 3, 5 and 10 meter lengths, these cables are a cost-effective solution for your machine vision application.

- GigE standard compliant
- Simple integration into image processing applications
- Camera-end locking screws
- 3, 5 and 10 m lengths available
- Low-cost GigE cable

Product Code	Connects...	To...	Length
<b>VT-NET-3LK(CAB)</b>	RJ45[with locking stud]	RJ45	3M
<b>VT-NET-5LK(CAB)</b>	RJ45[with locking stud]	RJ45	5M
<b>VT-NET-10LK(CAB)</b>	RJ45[with locking stud]	RJ45	10M



## Cables [USB 3.0]

Ideal for standard imaging applications, Vision Datum offers a selection of USB 3.0 cables. These robust cables feature camera-end locking screws to ensure application stability in industrial environments where shock and vibration are an issue.

- USB3.0 standard compliant
- Simple integration into all image processing applications
- Camera-end locking screws
- Plug and play functionality
- 3, 5, 10 and 20m lengths available
- Low-cost USB cable

Product Code	Connects...	To...	Length
<b>VT-USB3.0-3M(CAB-B)</b>	USB 3.0 [Type-A]	USB 3.0 [Micro-B] Locking screws	3M
<b>VT-USB3.0-5M-H</b>	USB 3.0 [Type-A]	USB 3.0 [Micro-B] Locking screws	5M
<b>VT-USB3.0-10M/20M-AOC</b>	USB 3.0 [Type-A]	USB 3.0 [Micro-B] Locking screws	10M/20M
<b>VT-USB3-3M(90D-RAU)</b>	USB 3.0 [Type-A]	USB 3.0 [Micro-B] Locking screws	3M



"-H":High Flexibility; "-AOC ":Active Optical Fiber.

### 90° USB Cables Schematic Diagram

1



MICRO-B  
R/A UP  
w/Recessed Screws

2



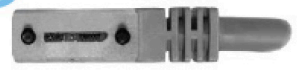
MICRO-B  
R/A DOWN  
w/Recessed Screws

3



MICRO-B  
EXIT RIGHT  
w/Recessed Screws

4



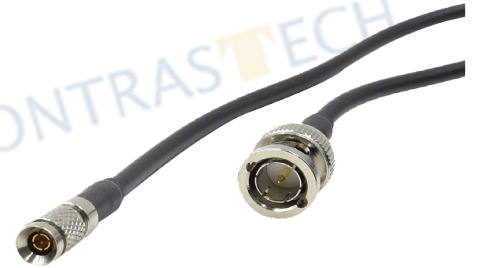
MICRO-B  
EXIT LEFT  
w/Recessed Screws

# Cables [CoaXPress]

ContrasTech provides a low-cost solution. A large variety of possible cables allowed: thick ones for large distance, thin or flexible for shorter distance. The easy possibility to install and terminate connectors in the field.

- CoaXPress standard compliant
- Simple integration into all image processing applications
- High transmission rate
- Plug and play functionality
- 3, 5, 10 and 15 m lengths available

Product Code	Connects...	To...	Length
<b>VT-CX-3M</b>	BNC	BNC	3M
<b>VT-CX-3M-H</b>	BNC	BNC	3M
<b>VT-CX-3M-S</b>	DIN	DIN	3M



# Cables [CameraLink]

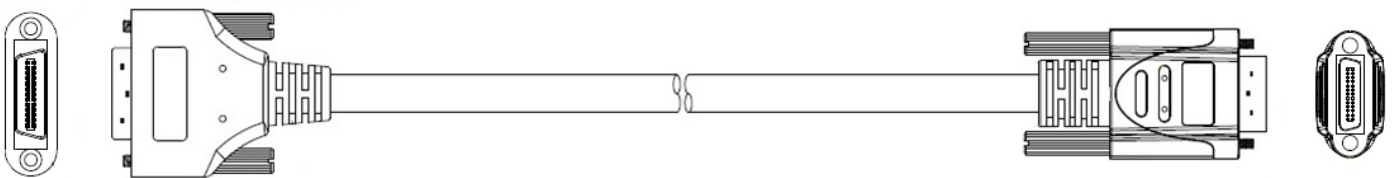
Purpose: CameraLink cable can realize high-speed image data transmission between CameraLink interface camera and frame grabber, supporting the use of special industrial environment.

- High transmission rate, plug and play function
- Connector molds are linear and right-angled
- There are standard lengths of 3m and 5m to choose from, and size customization is also accepted
- There are static standard type and high flexibility and bending resistance / high sliding type cables to choose from

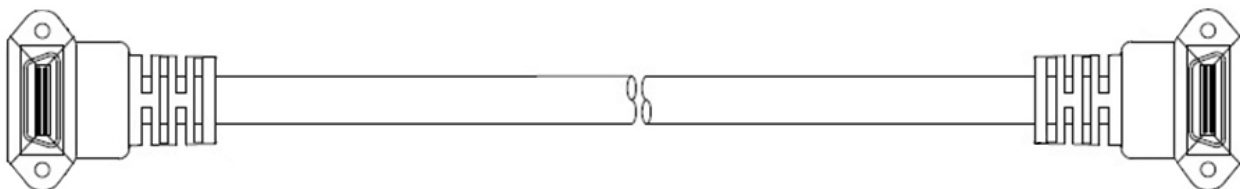
Product Model		Connector 1	Connector 2	Length
Main Code	Sub Code			
<b>VT-CL-3M/5M</b>	MOM-SOM	MDR	SDR	3M / 5M
	MOM-SOM-H	MDR	SDR	3M / 5M
	SOM-SOM	SDR	SDR	3M / 5M
	MOM-MOM	MDR	MDR	3M / 5M
	MOM-MOM-H	MDR	MDR	3M / 5M



- MDR26 Male [Straight Type] - SDR26 Male [Straight Type]



- SDR26 Male [Right Angle Type] - SDR26 Male [Right Angle Type]



# Cables [POWER and I/O]

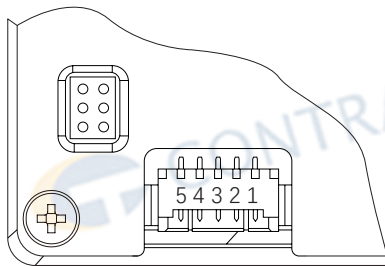
VT-Hirose cables can be used to power and control the I/O on cameras. This cable uses a Hirose 6-pin/12-pin connector on the camera side. The other end is open and the length can be customized, allowing the wire to be shortened to match individual requirements.

Product Code	Connects...	To...	Length
<b>VT-Hirose6-7-0.5M</b>	HRS 6pin	Open	0.5M
<b>VT-Hirose12-13-1.5M</b>	HRS 12pin	Open	1.5M
<b>P8-xxM</b>	8 pin	Open	/

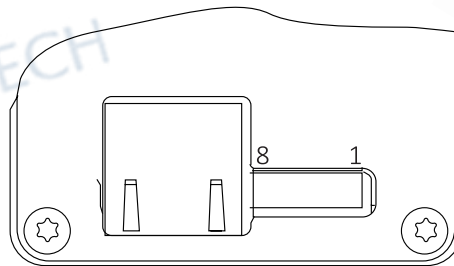


VT-TR cable is suitable for Board-level camera I/O control. The 5-pin/8-pin connector is used at the Board-level camera side, which can be selected according to the actual interface. The other end of the wire is open, allowing the wire to be shortened to meet individual needs.

Product Code	Connects...	To...	Camera	Length
<b>VT-TR5P-xxM-MARS</b>	5 pin	Open	USB3.0 Board-level Camera	/
<b>P8-xxM</b>	8 pin	Open	GigE Board-level Camera	/



[USB3.0 Board-level Camera]



[Gige Board-level Camera]



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