

Vision Datum

Mars Series Cameras

SONY Sensors



- Outstanding price-performance ratio
- USB3.0 / GigE / Cameralink optional
- Optional pixels: VGA to 150MP
- Extensive sensor selection



GigE Area Scan Cameras



Model No.	Sensor	Resolution (HxV pixels)	Frame Rate [fps]	Mono/Color	Bit Depth	Interface	Pixel Size [μm^2]	Sensor Size	Shutter Type
Mars720S-300gm	IMX287	720 × 540	300	Mono	8/10/12	GigE	6.9	1/2.9"	Global
Mars720S-300gc	IMX287	720 × 540	300	Color	8/10/12	GigE	6.9	1/2.9"	Global
Mars1440S-77gm	IMX273	1440 × 1080	77	Mono	8/10/12	GigE	3.45	1/2.9"	Global
Mars1440S-77gc	IMX273	1440 × 1080	77	Color	8/10/12	GigE	3.45	1/2.9"	Global
Mars1760S-66gm	IMX432	1604 × 1100	66	Mono	8/10/12	GigE	9.0	1.1"	Global
Mars1760S-66gc	IMX432	1604 × 1100	66	Color	8/10/12	GigE	9.0	1.1"	Global
Mars2000S-60gm	IMX430	1624 × 1240	60	Mono	8/10/12	GigE	4.5	1/1.7"	Global
Mars2000S-22gm	IMX290	1920 × 1080	22	Mono	8/10	GigE	2.9	1/2.8"	Rolling
Mars2000S-22gc	IMX290	1920 × 1080	22	Color	8/10	GigE	2.9	1/2.8"	Rolling
Mars2300S-30gm	IMX249	1920 × 1200	38.7	Mono	8/10/12	GigE	5.86	1/1.2"	Global
Mars2300S-30gc	IMX249	1920 × 1200	38.7	Color	8/10/12	GigE	5.86	1/1.2"	Global
Mars3000S-30gm	IMX265	2048 × 1536	36	Mono	8/10/12	GigE	3.45	1/1.8"	Global
Mars3000S-30gc	IMX265	2048 × 1536	36	Color	8/10/12	GigE	3.45	1/1.8"	Global
Mars5000S-20gm	IMX264	2448 × 2048	23	Mono	8/10/12	GigE	3.45	2/3"	Global
Mars5000S-20gc	IMX264	2448 × 2048	23	Color	8/10/12	GigE	3.45	2/3"	Global
Mars5000S-24gm	IMX250MZR	2448 × 2048	24	Mono	8/10/12	GigE	3.45	2/3"	Global
Mars6000S-18gm	IMX178	3072 × 2048	18	Mono	8/10/12	GigE	2.4	1/1.8"	Rolling
Mars6000S-18gc	IMX178	3072 × 2048	18	Color	8/10/12	GigE	2.4	1/1.8"	Rolling
Mars6000S-18gm-NP	IMX178	3072 × 2048	18	Mono	8/10/12	GigE	2.4	1/1.8"	Rolling
Mars7000S-17gm	IMX428	3208 × 2200	17	Mono	8/10/12	GigE	4.5	1.1"	Global
Mars7000S-17gc	IMX428	3208 × 2200	17	Color	8/10/12	GigE	4.5	1.1"	Global
Mars4072S-9gm	IMX226	4000 × 3000	9	Mono	8/10/12	GigE	1.85	1/1.7"	Rolling
Mars4072S-9gc	IMX226	4000 × 3000	9	Color	8/10/12	GigE	1.85	1/1.7"	Rolling
Mars4096S-13gm	IMX267	4096 × 2160	13	Mono	8/10/12	GigE	3.45	1"	Global
Mars4096S-13gc	IMX267	4096 × 2160	13	Color	8/10/12	GigE	3.45	1"	Global
Mars4112S-9gm	IMX304	4096 × 3000	9	Mono	8/10/12	GigE	3.45	1.1"	Global
Mars4112S-9gc	IMX304	4096 × 3000	9	Color	8/10/12	GigE	3.45	1.1"	Global
Mars5470S-5gm	IMX183	5472 × 3468	5.8	Mono	8/10	GigE	2.4	1"	Rolling
Mars5470S-5gc	IMX183	5472 × 3468	5.8	Color	8/10	GigE	2.4	1"	Rolling



USB3.0 Area Scan Cameras



Model No.	Sensor	Resolution (HxV pixels)	Frame Rate [fps]	Mono/Color	Bit Depth	Interface	Pixel Size [μm^2]	Sensor Size	Shutter Type
Mars720S-440um	IMX287	720 x 540	437	Mono	8/10	USB3.0	6.9	1/2.9"	Global
Mars720S-440uc	IMX287	720 x 540	437	Color	8/10	USB3.0	6.9	1/2.9"	Global
Mars1600S-250um	IMX273	1440 x 1080	249	Mono	8/10/12	USB3.0	3.45	1/2.9"	Global
Mars1600S-250uc	IMX273	1440 x 1080	249	Color	8/10/12	USB3.0	3.45	1/2.9"	Global
Mars2000S-120uc	IMX290	1920 x 1080	120	Color	8/10/12	USB3.0	2.9	1/2.8"	Rolling
Mars2300S-35um	IMX249	1920 x 1200	38.7	Mono	12	USB3.0	5.86	1/1.2"	Global
Mars2300S-35uc	IMX249	1920 x 1200	38.7	Color	12	USB3.0	5.86	1/1.2"	Global
Mars2300S-130um	IMX174	1920 x 1200	164	Mono	8/10	USB3.0	5.86	1/1.2"	Global
Mars2300S-130uc	IMX174	1920 x 1200	164	Color	8/10	USB3.0	5.86	1/1.2"	Global
Mars3000S-120um	IMX252	2048 x 1536	120	Mono	8/10	USB3.0	3.45	1/1.8"	Global
Mars3000S-120uc	IMX252	2048 x 1536	120	Color	8/10	USB3.0	3.45	1/1.8"	Global
Mars5000S-35um	IMX264	2448 x 2048	35	Mono	8/10/12	USB3.0	3.45	2/3"	Global
Mars5000S-35uc	IMX264	2448 x 2048	35	Color	8/10/12	USB3.0	3.45	2/3"	Global
Mars5000S-75um	IMX250	2448 x 2048	75	Mono	8/10	USB3.0	3.45	2/3"	Global
Mars5000S-75uc	IMX250	2448 x 2048	75	Color	8/10	USB3.0	3.45	2/3"	Global
Mars6000S-60um	IMX178	3072 x 2048	60	Mono	8/10	USB3.0	2.4	1/1.8"	Rolling
Mars6000S-60uc	IMX178	3072 x 2048	60	Color	8/10	USB3.0	2.4	1/1.8"	Rolling
Mars4072S-24um	IMX226	4000 x 3000	30	Mono	8/10	USB3.0	1.85	1/1.7"	Rolling
Mars4072S-24uc	IMX226	4000 x 3000	30	Color	8/10	USB3.0	1.85	1/1.7"	Rolling
Mars4096S-32um	IMX267	4096 x 2160	32	Mono	8/10/12	USB3.0	3.45	1"	Global
Mars4096S-32uc	IMX267	4096 x 2160	32	Color	8/10/12	USB3.0	3.45	1"	Global
Mars4096S-40um	IMX255	4096 x 2160	40	Mono	8/10	USB3.0	3.45	1"	Global
Mars4112S-23um	IMX304	4096 x 3000	23	Mono	8/10/12	USB3.0	3.45	1.1"	Global
Mars4112S-23uc	IMX304	4096 x 3000	23	Color	8/10/12	USB3.0	3.45	1.1"	Global
Mars4112S-30um	IMX253	4096 x 3000	30	Mono	8/10	USB3.0	3.45	1.1"	Global
Mars4112S-30uc	IMX253	4096 x 3000	30	Color	8/10	USB3.0	3.45	1.1"	Global
Mars5470S-18um	IMX183	5472 x 3648	20	Mono	8/10	USB3.0	2.4	1"	Rolling
Mars5470S-18uc	IMX183	5472 x 3648	20	Color	8/10	USB3.0	2.4	1"	Rolling

Cameralink Area Scan Cameras



Model No.	Sensor	Resolution (HxV pixels)	Frame Rate [fps]	Mono/Color	Bit Depth	Interface	Pixel Size [μm^2]	Sensor Size	Shutter Type
Mars720S-350cm	IMX287	720 x 540	349.4	Mono	8/10	Cameralink	6.9	1/2.9"	Global
Mars720S-350cc	IMX287	720 x 540	349.4	Color	8/10	Cameralink	6.9	1/2.9"	Global
Mars3000S-188cm	IMX252	2480 x 1536	188	Mono	8/10	Cameralink	3.45	1/1.8"	Global
Mars5000S-31cm	IMX264	2448 x 2048	30.2	Mono	8/10/12	Cameralink	3.45	2/3"	Global
Mars5000S-160cm	IMX250	2448 x 2048	150	Mono	8/10	Cameralink	3.45	2/3"	Global
Mars5000S-160cc	IMX250	2448 x 2048	150	Color	8/10	Cameralink	3.45	2/3"	Global
Mars4112S-20cm	IMX304	4096 x 3000	20	Mono	8/10/12	Cameralink	3.45	1.1"	Global

Cameralink Large Area Cameras



Model No.	Sensor	Resolution (HxV pixels)	Frame Rate [fps]	Mono/Color	Bit Depth	Interface	Pixel Size [μm^2]	Sensor Size	Shutter Type
Mars31MS-12cm-M58	IMX342	6240 x 4848	24.8	Mono	8/10/12	Cameralink	3.45	23.3 x 16.6 mm	Global
Mars31MS-12cc-M58	IMX342	6240 x 4848	24.8	Color	8/10/12	Cameralink	3.45	23.3 x 16.6 mm	Global
Mars150MS-5cm-M72	IMX411	14160 x 10640	5.1	Mono	8/10/12	Cameralink	3.76	53.4 x 40 mm	Rolling



Vision And More Available

让工业更智能，让视觉更简单！



SWIR Camera
Industrial Camera



Macro Lens
Industrial Lens



Microscope



System Solution
No-programming Software



Hangzhou Vision Datum Technology Co., Ltd.

Tel: 86-571-86888307; 86-571-86888309

www.visiondatum.com



Ver.21.04