



2020

3

F /



F /

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0 r 1r
/ /
/ / /

G 0/

					P							
				3	0 3	/						
F / / /	/	0	/		/	/	1 2	2	3/	6	6	
F / / //	/	3	//	2		/	1	2	/ 1	6	6	
F / / 0/	/	/0	0/	/ 3	1	3	1	2 /	2 /	6	6	
F / 0 2	0	3	2	1 3	/ 3	/3 3	1	0	/ 3	6	6	
F / 1 3/	1	0	3/	/0		1	1	2 0	2	6	6	
F / 2/	2/	/		02	/	2/	1	13	1	6	6	
F / / //	/		//	2 0	0 1	/	1	1	0 2	6	6	
F / / 3/	/	3	3/		1/	/	1	/ /	00 0	6	6	
F / // //	//	1	//		3	//	1	0 1	0	6	6	
F / 2/	2/	0		2		2/ /	1	1/ 10	/ 02	6	6	
F / / 1/	/	/	1/	1 0		1	1	22 0	33 0	6	6	
F / /	/	1		3/ 1	0 2	1	1	33 3	/ /	6	6	
F / 1 2	1		2		0 /	01	1	3	21	6	6	
F / / / /	/	1	/ /	2 0	20 /	2	1	0 3/	3 0	6	6	

2





39.2mm

[illegible]

4

TTL44



TTL44

M58

44mm

44mm

- 1.760x-0.140x
- 25mm-315mm
- 45mm-545mm
- 0.1%
- 0.1°
- IP65

	mm		mm	35 Full1			F	μm	mm	°	%	
				H	V	D						
				35.2	26.4	44						
TTL44-25-45M58	25	1.760	45	20.0	15.0	25.0	13.5	5.15	0.35	<0.1	<0.1	M58
TTL44-35-55M58	35	1.257	55	28.0	21.0	35.0	13.5	7.21	0.68	<0.1	<0.1	M58
TTL44-45-65M58	45	0.978	65	36.0	27.0	45.0	13.5	9.26	1.13	<0.1	<0.1	M58
TTL44-60-80M58	60	0.733	80	48.0	36.0	60.0	13.5	12.36	2.01	<0.1	<0.1	M58
TTL44-70-95M58	70	0.629	95	56.0	42.0	70.0	13.5	14.4	2.73	<0.1	<0.1	M58
TTL44-85-120M58	85	0.518	120	68.0	51.0	84.9	13.5	17.49	4.02	<0.1	<0.1	M58
TTL44-105-155M58	105	0.419	155	84.0	63.0	105.0	13.5	21.62	6.15	<0.1	<0.1	M58
TTL44-125-195M58	125	0.352	195	100.0	75.0	125.0	13.5	25.73	8.72	<0.1	<0.1	M58
TTL44-155-255M58	155	0.284	255	123.9	93.0	154.9	13.5	31.9	13.39	<0.1	<0.1	M58
TTL44-185-320M58	185	0.238	320	147.9	110.9	184.9	13.5	38.06	19.07	<0.1	<0.1	M58
TTL44-215-375M58	215	0.205	375	171.7	128.8	214.6	13.5	44.19	25.7	<0.1	<0.1	M58
TTL44-245-420M58	245	0.180	420	195.6	146.7	244.4	13.5	50.33	33.33	<0.1	<0.1	M58
TTL44-270-480M58	270	0.163	480	216.0	162.0	269.9	13.5	55.57	40.65	<0.1	<0.1	M58
TTL44-315-545M58	315	0.140	545	251.4	188.6	314.3	13.5	64.7	55.1	<0.1	<0.1	M58

Tokina FA



Tokina
F1.4 F1.6 F2.0

4/3" 1" 2/3" 1/1.8"

3MP 5MP 10MP

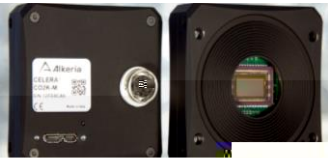
.

				Φ							
TC1214-3MP	3MP	12mm	F1.4-F22	1/1.8"	32.38 °	0.2m	11.46mm	C	Φ 29.5*35.7mm	57g	-20 ~55
TC1614-3MP	3MP	16mm	F1.4-F16	2/3"	30.99 °	0.25m	14.59mm		Φ 29.5*37.2mm	64g	
TC2514-3MP	3MP	25mm	F1.4-F16	2/3"	19.98 °	0.25m	11.52mm		Φ 29.5*38.9mm	56g	
TC3516-3MP	3MP	35mm	F1.6-F16	2/3"	14.74 °	0.35m	11.88mm		Φ 29.5*40.8mm	65g	
TC5028-3MP	3MP	50mm	F2.8-F22	2/3"	10.03 °	0.8m	21.06mm		Φ 29.5*38.0mm	55g	
				Φ							
KCM-1216UMP5	5MP	12mm	F1.6-F22	1"	57.1 °	0.2m	13.54mm	C	Φ 54*60.4mm	185g	-10 ~50
KCM-1616UMP5	5MP	16mm	F1.6-F22	1"	44.2 °	0.35m	12.17mm		Φ 47.5*57.8mm	201g	
KCM-2016UMP5	5MP	20mm	F1.6-F22	1"	36.1 °	0.45m	12.19mm		Φ 43*54.95mm	163g	
KCM-2516UMP5	5MP	25mm	F1.6-F22	1"	29.0 °	0.45m	12.6mm		Φ 43*51.38mm	157g	
KCM-3514UMP5	5MP	35mm	F1.4-F22	1"	20.7 °	0.45m	12.83mm		Φ 43*48.96mm	154g	
				Φ							
KCM-2520U43MP10	10MP	25mm	F2.0-F22	4/3"	40.6 °	0.15m	22.43mm	C	Φ 48*82.7mm	250g	-10 ~50
KCM-3520U43MP10	10MP	35mm	F2.0-F22	4/3"	29.6 °	0.2m	18.65mm		Φ 44.6*54.9mm	173g	
KCM-5020U43MP10	10MP	50mm	F2.0-F22	4/3"	20.9 °	0.3m	20.29mm		Φ 44.6*53.7mm	170g	



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Alkeria CELERA ONE



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CELERA

USB3

- USB3
- 1
- 5M
- LUT/ / / / /
- I/O I/O 2 2 1 I/O
- F C
- 170fps
- CMOS
- LUT LUT
- API API Windows VC++/C#/VB.Net Linux C++

			μ m* μ m			(fps)						mm*mm*mm
C02K-M/C	2.2M	2048*1088	5.5*5.5	CMOS(AMS CMV2000)	2/3	174	/87	Global	15 μ s-5s	USB3.1 Gen1	C F	56*56*26.7
C04K-M/C	4.2M	2048*2048	5.5*5.5	CMOS(AMS CMV4000)	1	92	/46)	Global	26 μ s-5s			
C05S-M/C	5M	2448*2048	3.45*3.45	CMOS(SONY Pregius® IMX264)	2/3	35	/	Global	28 μ s-5s			
C012S-M/C	12.4M	4112*3004	3.45*3.45	CMOS(SONY Pregius® IMX303)	1.1	23	/15	Global	30 μ s-5s			

Akeria CELERA USB3



Akeria
Akeria CELERA

USB3

USB

CELERA

- USB3
- USB3
- LUT 64
- I/O
- F
- 5M
- LUT
- API
- USB3
- LUT 64
- I/O
- C
- CMOS
- LUT
- API
- CMV4000
- CMV2000
- 1
- 2
- 2
- 1
- I/O
- 340fps
- 12
- A/D
- Windows
- VC++/C#/VB.Net
- Linux
- C++

						(fps)					mm*mm*mm
C2K-M/C/N	2.2M	2048*1088	5.5 μm*5.5 μm	CMOS(AMS CMV2000)	2/3	337()/174()/ 337(NIR)	Global	15 μs-5s	2*USB3.1 Gen1	C F	56*56*30.85 (C
C4K-M/C	4.2M	2048*2048	5.5 μm*5.5 μm	CMOS(AMS CMV4000)	1	179()/92()		26 μs-5s			
C3S-M/C	3.1M	2048*1536	3.45 μm*3.45 μm	CMOS(SONY Pregius® IMX252)	1/1.8	216()/120()		17 μs-5s			
C5S-M/C	5M	2448*2048	3.45 μm*3.45 μm	CMOS(SONY Pregius® IMX250)	2/3	152()/76()		17 μs-5s			
C12S-M/C	12.4M	4112*3004	3.45 μm*3.45 μm	CMOS(SONY Pregius® IMX304)	1.1	23(/)		29 μs-5s			
C12SX-M/C	12.4M	4112*3004	3.45 μm*3.45 μm	CMOS(SONY Pregius® IMX253)	1.1	62()/31()		25 μs-5s			

Alkeria ARIA



Alkeria	Alkeria	I/O	ARIA	ARIA	Alkeria	OEM
USB3	Alkeria	I/O	ARIA	ARIA	Alkeria	OEM
•	•	•	•	•	•	•
• USB3	USB3		LUT			
•			1/1.8			
•			CMOS			
• ARIA			C-Mount	S-Mount		
•	1.9M		520fps			
•						
•	I/O	ARIA	1	2	I/O	
• API		API		Windows	VC++/C#/VB.Net	Linux C++

								(fps)					mm*mm*mm
A1ES-M/C	1.3M	1280*1024	5.3 μm*5.3 μm	CMOS(EV76C560)	1/1.8	/	Mono: MON08, MON016. Color: YUV 4:2:2, RGB24, MON016, RAW16	60	Global	16 μs-1s	USB3.1	C S	26.4*26.4*7.8(29*29*24.6(C 29*29*19.6(S
A2ES-M/C	1.9M	1600*1200	4.5 μm*4.5 μm	CMOS(EV76C570)	1/1.8	/		60	Global	16 μs-1s			
A04S-M/C	0.39M	720*540	6.9 μm*6.9 μm	CMOS(IMX287)	1/2.9	/		520	Global	5 μs-5s			
A15S-M/C	1.56M	1440*1080	3.45 μm*3.45 μm	CMOS(IMX273)	1/2.9	/		241	Global	5 μs-5s			

日本ARTRAY USB系列面阵相机



ARTRAY公司是一家追求新技术的公司。该公司主要从事图像处理相关设备及软件的开发、制造和销售。是一家有着先进的技术开发能力和创意能力的公司。

ARTRAY USB相机系列采用高度串行总线USB3.0，且3.0的接口广泛适用于电脑，可直接向电脑传输图片。相机拥有高画质和高帧速。可以将图像保存为未压缩状态。适用于机器视觉领域，如制造和检验、医疗和研究应用。

- 体积小且轻便
- 从5M到14M像素的阵容
- CMOS图像传感器
- 帧速率最高可达98.3fps
- 多彩的变化：3.1M、5M及10M像素的CMOS相机，除了彩色模式以外，还有黑白和近红外两种模式。
- ROI性能：为CMOS传感器的特征，可进行部分图像的读取。任意选择要读取的图像部分，使相机拥有高帧率的图像读取能力。
- CMOS传感器的相机镜头卡口为C口
- 相机的电源电压均为DC5V
- 采用滚动快门模式
- 采用全局快门：2.3M和3.1M的相机采用的CMOS全局快门方式，在拍摄高速移动的物体时，图像不会模糊，能拍摄到鲜明清晰的图像。

型号	像素	分辨率	像元尺寸 $\mu\text{m} \times \mu\text{m}$	传感器 类型	传感器尺寸	颜色	最大帧率 (fps)	快门 方式	快门时间	与计算机 接口	与镜头 接口	相机尺寸 $\text{mm} \times \text{mm} \times \text{mm}$
ARTCAM-1400MI-USB3-T2	14M	4608*3288	1.4*1.4	CMOS	1/2.3英寸	彩色	6	Rolling	100 μs -2s	USB3.0	C	50*47*59.4
ARTCAM-1000MI-USB3-T2	10M	3856*2764	1.67*1.67	CMOS	1/2.3英寸	彩色/黑白/NIR	6	Rolling	100 μs -2s	USB3.0	C	50*47*59.4
ARTCAM-500MI-USB3-T2	5M	2592*1944	2.2*2.2	CMOS	1/2.5英寸	彩色/黑白/NIR	13.9	Rolling	100 μs -2s	USB3.0	C	50*47*59.4
ARTCAM-1741MX-USB3-T2	2.3M	1920*1200	5.86*5.86	CMOS	1/1.2英寸	彩色/黑白	86	Global	100 μs -1/25.19s	USB3.0	C	71.6*61.5*43
ARTCAM-1781MX-USB3-T2	6M	3072*2048	2.4*2.4	CMOS	1/1.8英寸	彩色	50	Rolling	100 μs -1/1.633s	USB3.0	C	71.6*61.5*43
ARTCAM-2521MX-USB3-T2	3.1M	2048*1536	3.45*3.45	CMOS	1/1.8英寸	彩色/黑白/NIR	98.3	Global	100 μs -3s	USB3.0	C	50*47*42.7
ARTCAM-2651MX-USB3-T2	3.1M	2048*1536	3.45*3.45	CMOS	1/1.8英寸	彩色/黑白/NIR	55.6	Global	1/87959s-3s	USB3.0	C	50*47*42.7
ARTCAM-2261MX-USB3-T2	12M	4072*3046	7.53*5.63	CMOS	1/1.7英寸	彩色/黑白/NIR	27.9	Rolling	1/10000s-0/0352s	USB3.0	C	50*47*42.7

CISCORP CL



CISCORP
Camera Link

- 5.2M 12M APS-H Deca CMOS /
- 0.3M 25M Camera Link C M42 M42(F)
- 500fps AGC AE ROI

			μ m* μ m					fps			
VCC-VCL3M/R	VGA	640*480	4.8*4.8	CMOS	1/4英寸	单色/彩色	8bit/10bit	Base: 538fps(3tap); 268fps(2tap); 134fps(1tap)	Global	OFF-1/10752s	C
VCC-VCL5M/R	VGA	720*540	6.9*6.9		1/2.9英寸	单色/彩色	8bit/10bit	Base: 519fps(3tap)/578fps(3tap/at VGA); 317fps(2tap); 175fps(1tap)		OFF-1/50000s	C
VCC-GC10V31L	VGA	752*480	6.0*6.0		1/3英寸	单色/彩色		60fps		OFF-1/30000s	NF
VCC-SXCL3M/R	SXGA	1280*1024	4.8*4.8		1/2英寸	单色/彩色	8/10bit	Base: 152fps(3tap); 84fps(2tap); 42fps(1tap)		OFF-1/10000s	C
VCC-SXCL5M/R	SXGA	1440*1080	3.45*3.45		1/2.9英寸	单色/彩色	8/10/12bit	Base: 136fps(3tap); 91fps(2tap); 46fps(1tap)		OFF-1/50000s	C
VCC-GC20U11CL/PCL	2M	2048*1088	5.5*5.5		2/3英寸	单色	8/10bit	Base:70fps(2tap)		OFF-1/50000s	C
VCC-FC20U19CL/PCL						彩色RAW					
VCC-3CL5M/R	3M	2064*1544	3.45*3.45		1/1.8英寸	单色/彩色	8/10/12bit(1tap,2tap), 8bit(3tap)	Base: 56fps(3tap); 45fps(2tap); 23fps(1tap)		OFF-1/50000s	C
VCC-5CL4M/ VCC-5CL4MHS	5M	2448*2048	3.45*3.45		2/3英寸	单色	8/10bit	Deca: 163fps (10Tap 8bit) HS model; Deca: 114fps (8tap) 10bit; Full:114fps(8tap) 8bit; Med:57fps(4tap) 8bit/10bit Base:42fps(3tap) 8bit; Base:28fps(2tap) 8bit/10bit		OFF-1/55000s OFF-1/60000s (HS model)	M42
VCC-5CL4R/ VCC-5CL4RHS						彩色	8bit				
VCC-5CL5M/R	5M	2464*2056	3.45*3.45		2/3英寸	单色/彩色	8/10/12bit	Base: 36fps(3tap); 29fps(2tap); 15fps(1tap)		OFF-1/50000s	C
VCC-5CL5M63/R63											
VCC-12CL4M/R	12M	4096*3000	3.45*3.45		1.1英寸	单色/彩色	8/10bit	Deca : 63fps(10tap*8bit),53fps(8tap*10bit); Full:53fps(8tap); Med:27fps(4tap); Base:13fps(2tap)		OFF-1/51000s	M42
VCC-25CL1M/R	25M	5120*5120	4.5*4.5		APS-H	单色/彩色	单色: 8/10bit; 彩色: 8bit	Deca: 32fps(10tap)8bit; Full:22/25fps(8tap)8bit; Med: 11 fps(4tap)8bit/10bit (B/W model only); Base:5fps(2tap) 8bit/10bit (B/W model only)		OFF-1/30000s	M48

13

CISCORP Clairvu



CISCORP
Clairvu

Clairvu CIS

Clairvu

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- 1
- Clairvu
- GenLock

- RS-232C
- LTC
- NR

				$\mu\text{m} \times \mu\text{m}$					Signal I/F		$\text{mm} \times \text{mm} \times \text{mm}$
VCC-4K2	8M	PregiusIMX255	3840*2160	3.45*3.45	1", CMOS	2160p/1080p/ 1080i	Quad 3G-SDI/ HD-SDI	0FF-1/13, 600s	3G-SDIx4ch, 3G-SDIx1ch, HD-SDIx1ch	M42	65*65*110
DCC-4K2											65*65*12 29*65*89
VCC-HD3N	2M	PregiusIMX265	1920*1080	3.45*3.45	1/1.8", CMOS	1080p/1080i/ 720p	3G SDI/HD-SDI	0FF-1/8, 000s	3G-HDI, HD-SDI, BNC75 Ω	CS/C Mount	29*29*77
DCC-HD3N											25.4*25.4 25.4*38 25.4*43
VCC-HD10ZM(x18)	2M	MN34220	1920*1080	2.75*2.75	1/3", CMOS	1080p/1080i/ 720p	3G SDI/HD-SDI	OFF-1/8, 000s	3G-HDI, HD-SDI, BNC75 Ω		60*55*98.8(10ZM)
VCC-HD30ZME1											52*55.4*99.6(30ZME1)
VCC-HD1000	2M	35mmFHDXSC	1920*1080	19*19	35mm Full Size	1080p/1080i/ 720p	3G SDI/ HD-SDI	1-1/11, 200s	3G-HDI, HD-SDI, BNC75 Ω	EF/F Mount	75*75*85
DCC-4KZM x18	8M	STARVIS IMX334	3840*2160	2.0*2.0	1/1.8", CMOS	1080p/1080i/ 2160p	Quad 3G-SDI/ HD-SDI	OFF-1/13600s	3G-SDIx4ch, 3G-SDIx1ch, HD-SDIx1ch		66*65*98
VCC-4KHS	8M	GMAX0505	3840*2160	2.5*2.5	1.1"CMOS (2/3"CMOS)	—	CoaXpress CXP12 $\times$ 4lanes	TBD	—	B4-bayonet/ C-mount	100*100*100

Baumer CX.I



Baumer
CX.I

M12

4

-40

70

CMOS

CX.I

- X
- M12
- PoE
- 4
- 120W
- 48V/2.5A
- “
- ”
- Shape-from-Shading
- 1200
- 148fps
- 10g
- 100g

					[px]	[μm]	[fps] Gige Vision	
							Burst	
VCXG-13.I	/	1/2" CMOS	PYTHON1300		1280 × 1024	4.8 × 4.8	148	94
VCXG-15.I	/	1/2.9" CMOS	IMX273		1440 × 1080	3.45 × 3.45	121	79
VCXG-25.I	/	2/3" CMOS	PYTHON2000		1920 × 1200	4.8 × 4.8	59	53
VCXG-32.I	/	1/1.8" CMOS	IMX265		2048 × 1536	3.45 × 3.45	55	39
VCXG-51.I	/	2/3" CMOS	IMX264		2448 × 2048	3.45 × 3.45	35	23
VCXG-53.I	/	1" CMOS	PYTHON5000		2592 × 2048	4.8 × 4.8	28	23
VCXG-124.I	/	1.1" CMOS	IMX304		4096 × 3000	3.45 × 3.45	15	10



				[px]	[m]	[fps]	
				Burst			
LXG-20.P	/JPEG	2/3" CMOS	CMV2000	2048 × 1088	5.5 × 5.5	140	56
LXG-20.PS	/3D	2/3" CMOS	CMV2000	2048 × 1088	5.5 × 5.5	338	56
LXG-40M.P		1" CMOS	CMV4000	2048 × 2048	5.5 × 5.5	74	29
LXG-120.P		APS-C CMOS	CMV12000	4096 × 3072	5.5 × 5.5	25	9
LXG-120.PS	/3D	APS-C CMOS	CMV12000	4096 × 3072	5.5 × 5.5	60	9
LXG-200.P		35mm CMOS	CMV20000	5120 × 3840	6.4 × 6.4	16	6
LXG-250.JP	JPEG	APS-H CMOS	PYTHON 25K	5120 × 5120	4.5 × 4.5	10	4

Cavitar C200



Cavitar

C200 (MIG MAG TIG)

-
-
-
- ()
-
-
- 640nm

	1440x1080 pxl 1.55 Mpxl	45x35mm (200mm)	30 fps ()	29x29x86mm ()	130g	3R	Gige

36x46x150mm ()		430g			2m		

IDS USB3.0



IDS
USB3.0

USB

USB3.0

- USB 3.0
- CMOS
- 100
- TTL
- RGB
- 52g
- 420MByte/s
- 1
- 36

			μm*μm					(fps)					mm*mm*mm
UI-3040CP-M-GL/C-HQ	1.6M	1448*1086	3.45*3.45	CMOS	1/3	/	12bit	243	Global	17 μs-0.999s	USB3.0	C	29*29*29
UI-3140CP-M-GL/C-HQ	1.3M	1280*1024	4.8*4.8		1/2	/		169	Global	35 μs-0.434s			
UI-3240CP-M-GL/C-HQ	1.3M	1280*1024	5.3*5.3		1/1.8	/		60	Global/R/G	9 μs-2.00s			
UI-3250CP-M-GL/C-HQ	1.9M	1600*1200	4.5*4.5		1/1.8	/		60	Global/R/G	20 μs-1.00s			
UI-3060CP-M-GL/C-HQ	2M	1936*1216	5.86*5.86		1/1.2	/		166	Global	18 μs-0.998s			
UI-3160CP-M-GL/C-HQ	2M	1920*1200	4.8*4.8		2/3	/		169	Global	44 μs-0.500s			
UI-3260CP-M-GL/C-HQ	2M	1936*1216	5.86*5.86		1/1.2	/		47	Global	30 μs-0.998s			
UI-3360CP-M-GL/C-HQ UI-3360CP-NIR-GL	2M	2048*1088	5.5*5.5		2/3	/ NIR		152	Global	25 μs-0.500s			
UI-3860CP-M-GL/C-HQ	2M	1936*1096	2.9*2.9		1/2.8	/		135	Rolling	11 μs-0.999s			
UI-3070CP-M-GL/C-HQ	3M	2056*1542	3.45*3.45		1/1.8	/		123	Global	18 μs-0.999s			
UI-3270CP-M-GL/C-HQ	3M	2056*1542	3.45*3.45		1/1.8	/		57	Global	24 μs-0.999s			
UI-3370CP-M-GL/C-HQ UI-3370CP-NIR-GL	4M	2048*2048	5.5*5.5		1	/ NIR		80	Global	38 μs-0.500s			
UI-3080CP-M-GL/C-HQ	5M	2456*2054	3.45*3.45		2/3	/		77	Global	19 μs-0.999s			
UI-3180CP-M-GL/C-HQ	5M	2592*2048	4.8*4.8		1	/		73	Global	52 μs-0.500s			
UI-3280CP-M-GL/C-HQ	5M	2456*2054	3.45*3.45		2/3	/		36	Global	27 μs-0.999s			
UI-3480CP-M-GL	5M	2560*1920	2.2*2.2		1/2			15	Rolling/G	31 μs-2.745s			
UI-3580CP-C-HQ	5M	2560*1920	2.2*2.2		1/2			15	Rolling/G	31 μs-2.745s			
UI-3880CP-M-GL/C-HQ	6M	3088*2076	2.4*2.4		1/1.8	/		58	Rolling	13 μs-0.999s			

NET 3iCube



NET 3iCube
Explorer SynView

GenICam
3iCube

SDK

		(HxV) [px]				[μ m]	[fps]			[dB]				[dB]	
IC1044BU	BC1044BU	752x480/ WVGA	CMOS	MT9V032	1/3"	6.00x6.00	86		0.024-763ms	55	2x2/ 4x4		14:9	12	C / CS
IC1044CU	BC1044CU								0.062-745ms						
IC1130BU	BC1130BU	1280x1024/ SXGA	CMOS	MT9M001	1/2"	5.20x5.20	26		0.02-394ms	68	640x512	5;4	23		
IC1130CU	BC1130CU			MT9M131	1/3"	3.60x3.60	24		0.039-633ms	71			24		
IC4133BU/ IC4133CU	BC4133BU/ BC4133CU	1280x1024/ SXGA	CMOS	EV76C560	1/1.8"	5.30x5.30	60		0.031-1030ms	62	2x2	640x512/320x256 ROI /	5:4	24	
IC4133IR	BC4133IR			EV76C661						63					
IC4203BU/ IC4203CU	BC4203BU/ BC4203CU	1600x1200/ UXGA	CMOS	EV76C570	1/1.8"	4.50x4.50	47		0.035-1136ms	66	2x2	800x600/400x300 ROI /	4:3	24	
IC2234BU/ IC2234CU	BC2234BU/ BC2234CU	1920x1200/ WUXGA	CMOS	IMX249-LLJ-C/ IMX249LQJ-C	1/1.2"	5,86x5,86	37		34,9 μs-25,8ms	75,6			16:10	24	
IC1300CU	BC1300CU	2048x1536/ QXGA	CMOS	MT9T001	1/2"	3.20x3.20	12		0.056 ms-50s	61	2x2/ 4x4	1024x768/512x384	4;3	18	
IC1500BU	BC1500BU	2592x1944/ QSXGA	CMOS	MT9P031	1/2.5"	2.20x2.20	14		0.085 ms-89s	70	2x2/ 4x4	1280x960/640x448	4:3	18	
IC1500CU	BC1500CU			MT9P001			12		0.074 ms-77s						
IC11000BU	BC11000BU	3840x2748/ WQXGA	CMOS	MT9J003	1/2.3"	1.67x1.67	7.5		0.146 ms-135s	65	2x2/ 4x4	1920x1344/960x640	4:3	18	
IC11000CU	BC11000CU														



/	(HxV) [px]			[μ m]	[fps]					[dB]				[dB]
GP1041M/ GP1041C	752x480/ WVGA	MT9V032	1/3" μ	5-1s 6.00x6.00	64 É	14:9	81 108μs-1s	14:9	8250x4.50 55	108μs-1s 2x2/4x4	108	14:9 14:9	12	
GP4136M/ GP4136C		EV76C560							62					
GP4136IR		EV76C661							63					
GP4206M/ GP4206C	1600x1200/ UXGA	EV76C570	1/1.8"	4.50x4.50	52									



XIMEA xiD



XIMEA

SOFTHARD Technologies

XIMEA

xiD

CCD USB3.0

				[μm]	ADC	FWC	W	DR Db	
MD028MU-SY	MD028CU-SY	ICX674	1934x1456, 2.8 MP	4.54*4.54	8,10,12,14	20000	3.6	71.1	57
MD061MU-SY	MD061CU-SY	ICX694	2754x2204, 6.1 MP	4.54*4.54	8,10,12,14	19500	3.9	71.8	28.4
MD091MU-SY	MD091CU-SY	ICX814	3384x2708, 9.1 MP	3.69*3.69	8,10,12,14	12000	4.2	68.4	20
MD120MU-SY	MD120CU-SY	ICX834	4242x2830, 12 MP	3.1*3.1	8,10,12,14	10000	4.8	63.1	15.3

XIMEA xiMU



XIMEA

SOFTHARD Technologies

XIMEA

xiMU

USB2.0 USB3

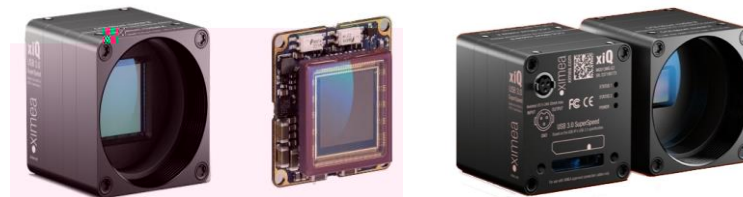
5Mpix

18 Mpix

- 15x15x8 mm 5
- 1 UAV/UAS
- Windows macOS Linux ARM - NVIDIA Jetson TX2 AGX Xavier

- USB
- GenICam/GenTL C/C ++ Python .NET
- OEM

国XIMEA xiQ系列工业面阵相机



XIMEA是由来自SOFTTHARD Technologies的一批先驱组建而成。XIMEA的产品主要优势是最小的外形、最快的速度、最低的功耗以及最广泛的互操作性。其主要为科学领域设 产品，有助于广泛在工业相机+ 机器视觉领域利用这种卓越的品质。xiQ系列配备全局快门CMOS的USB3 Vision摄像头。

单色型号	彩色型号	红外扩展型号	传感器	分辨率	像元尺寸[μm]	ADC位	每秒帧数	DR Db	光学尺寸	功率W
MQ003MG-CM	MQ003CG-CM	—	CMOSIS CMV300	648 x 488	7.4*7.4	12	500 fps	60	1/3"	1.6
MQ013MG-E2	MQ013CG-E2	MQ013RG-E2	e2V EV76C560	1280 x 1024	5.3*5.3	10	60 fps	60	1/1.8"	0.9
MQ013MG-ON	MQ013CG-ON	MQ013RG-ON	安森美半导体 PYTHON 1300	1280 x 1024	4.8*4.8	10	210 fps	56	1/2"	1.4
MQ022MG-CM	MQ022CG-CM	MQ022RG-CM	CMOSIS CMV2000	2048 x 1088	5.5*5.5	10	170 fps	60	2/3"	1.6
MQ042MG-CM	MQ042CG-CM	MQ042RG-CM	CMOSIS CMV4000	2048 x 2048	5.5*5.5	10	90 fps	60	1"	1.6

国XIMEA xiC系列工业面阵相机



XIMEA是由来自SOFTTHARD Technologies的一批先驱组建而成。XIMEA的产品主要优势是最小的外形、最快的速度、最低的功耗以及最广泛的互操作性。其主要为科学领域设 产品，有助于广泛在工业相机+ 机器视觉领域利用这种卓越的品质。xiC系列采用 Sony CMOS Pregius™的 USB 3.1。

单色型号	彩色型号	红外扩展型号	传感器	分辨率	像素μm	ADC位	每秒帧数	DR Db	光学尺寸	功率W
MC023MG-SY	MC023CG-SY	—	索尼 IMX174	1936x1216	5.86*5.86	12/10bit	165fps	71.7	1/1.2"	2.4
MC031MG-SY	MC031CG-SY	—	索尼 IMX252	2064x1544	3.45*3.45	12/10/8 bit	122fps	70.9	1/1.8"	2.75
MC050MG-SY	MC050CG-SY	—	索尼 IMX250	2464x2056	3.45*3.45	12/10/8 bit	76fps	70.8	2/3"	2.85
MC089MG-SY	MC089CG-SY	—	索尼 IMX255	4112x2176	3.45*3.45	12/10/8 bit	43fps	70.5	16.1	3.25
MC124MG-SY	MC124CG-SY	—	索尼 IMX253	4112x3008	3.45*3.45	12/10/8 bit	31fps	70.4	17.6	3.25

NIT MAGIC CAMERA



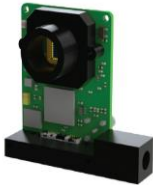
NIT MAGIC 1 μ m NIT CMOS MAGIC CAMERA USB2.0 USB3.0 Camlink GIGE 140dB NIT CMOS 0.4

					mm		
MC0902-PXY*	NSC0902,768x576,5.6μm, Rolling	USB2.0	40Hz	1.5W	48.6x48.6x32.6	125g	0 65
		CameraLink	78Hz				
MC1003-1XY*	NSC1003,1280x1024, 6.8μm, Rolling/Global/Diff	USB3.0	59Hz	1.5W			
		CameraLink	37Hz				
MC1005-HXY*	NSC1005,1280x720, 5.6μm, Rolling	USB3.0	50Hz	1.5W			
		CameraLink	53Hz				
MC1104-PXB*	NSC1104,768x576, 15μm, Rolling	USB2.0	40Hz	1.5W			
		CameraLink	53Hz				
MC1105-1XB*	NSC1105,1280x1024,10.6μm, Rolling	USB3.0	50Hz	1.5W			
		CameraLink	53Hz				
MC1602-PVY*	NSC1602,640x480, 7.5μm Rolling/Global/Diff	USB3.0	150Hz	1.5W			
MC1701-1XY*	NSC1701,1280x1024, 6.8μm Rolling/Global/Diff	USB3.0	60Hz	1.5W			
		CameraLink	50Hz				

*X= U USB2.0, V USB3.0, C=Cameralink
 *Y= B , C



	μ						
	μ						



	μ						





EVT HT



EVT HT
CAT6A

10GBaseT-RJ45
100

CAT6A
CMOS

GigE
AMS

GigE 10
2MP 50MP

· VR
· 10GBaseT - RJ45 2-50MP 338fps AMS PCB CMOS GigE Vision & Genicam

							[μm]		
HT-2000	/ /NIR	CMV2000	2048 x 1088	2MP	2/3 " CMOS	338	5.5*5.5	C Mount	88x58x40
HT-3000-S	/	IMX252	2048 x 1536	3.2MP	1/1.8 " CMOS	216	3.45*3.45	C Mount	88x58x40
HT-4000	/ /NIR	CMV4000	2048 x 2048	4MP	1 " CMOS	179	5.5*5.5	C Mount	88x58x40
HT-5000-S	/ /	IMX250	2448 x 2048	5MP	2/3 " CMOS	163	3.45*3.45	C Mount	88x58x40
HT-8000-S	/	IMX255	4096 x 2160	8.9MP	1 " CMOS	110	3.45*3.45	C Mount	88x58x40
HT-12000-S	/ /	IMX253	4096 x 3000	12MP	1.1 " CMOS	80	3.45*3.45	C Mount	88x58x40
HT-12000	/	CMV12000	4096 x 3072	12MP	28mm CMOS	84	5.5*5.5	M42	88x58x50
HT-20000	/	CMV20000	5120 x 3840	20MP	35mm CMOS	32	6.4*6.4	M52	88x58x61
HT-50000	/	CMX50000	7920 x 6004	50MP	35mm CMOS	23	4.6*4.6	M52	88x58x61



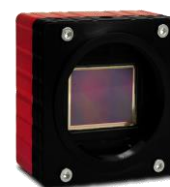
FPS(8/10/12 bit)				
Sony Pregius IMX174	1920x1200	1/1.2"(13.4mm)	164/164/128	
Sony Pregius IMX252	2064x1544	1/1.8"(8.9mm)	216/191/118	
Sony Pregius IMX250	2464x2056	2/3"(11.1mm)	163/144/89	
Sony Pregius IMX255	4112x2176	1"(16.1mm)	93/88/63	



TM



IO Industries Flare CXP/CL



IO Industries
Flare™48MP CMOS CMV50000 7920x6004 Flare
30 10
Flare™12MP/4MP/2MP CMOS/ CMV4000 CMOS/ CMV 2000 CMOS 1200
/400 /200
Flare

- 2MP/4MP/12MP 48MP
- CMOS CMOS
- ROI
- CXP
- Camera Link CL-Base CL-Full 80-BIT

		(fps)	(bit)							mm × mm × mm		
						[μ m]						
Flare 2MP	2048 × 1088	CXP:264(8bit),211(10bit); CL:337(8bit),281(10bit)	8/10bit	CXP/CL	CMOSIS CMV2000	5.5 × 5.5	2/3"	/	C / T (M42 × 0.75)	63.5 × 63.5 × 44.1	0 ~50	310g
Flare 4MP	2048 × 2048	CXP:140(8bit),112(10bit); CL:179(8bit),149(10bit)	8/10bit		CMOSIS CMV4000	5.5 × 5.5	1"					
Flare 12MP	4096 × 3072	CXP:187(8bit),149(10bit); CL:124(8bit),100(10bit)	8/10bit		CMOSIS CMV12000	5.5 × 5.5	super35mm APS-C					
Flare 48MP	7920 × 6004	30.9	8/10/12bit		CMOSIS CMV50000	4.6 × 4.6	35mm (45.7mm)	/	F / EF / C /T (M58 × 0.75)	79.7 × 79.7 × 78	-30 ~45	610g (F)

IO Industries Flare SDI



Flare 2KSDI

Flare 4KSDI

IO Industries
Flare™4KSDI 4K/UHD
Flare™4KSDI
Flare™2KSDI

IO Industries

- 2K/HD 4K/UHD
- CMOS
- 3G/HD-SDI (SMTPE 292/425M)
-

		(fps)	(bit)							mm × mm × mm		
Flare 2KSDI	2048 × 1080	60	10bit4:2:2/ 4:4:4/RAW	3G/SDI	CMOSIS CMV2000	CMOS	2/3"	/ /NIR	C / EF	63.5 × 63.5 × 44.1	0 ~50	310g
Flare 4KSDI	4096 × 2160				CMOSIS CMV12000		super35mm APS-C	/NIR	EF / EF / F /PL	91.7 × 91.7 × 47	-30 ~45	(750g)

Alkeria NECTA



Alkeria
Alkeria NECTA

NECTA

- 3W
- USB3
- USB3
- AOI
- LUT
- FPN
- DSNU
- PRNU
- F
- C
- N2K
- N4K-3
- I/O
- I/O
- 2
- 2
- 1
- I/O
- 8192
- 95Klines/s
- CMOS
- 12
- A/D
- LUT
- LUT
- API
- API
- Windows
- VC++/C#/VB.Net
- Linux
- C++

		$\mu m * \mu m$		mm							mm*mm*mm			
N2K-7	2048	7*7	CMOS	14.336		MON08, MON016	95KHz	1.3 μs -0.1s	USB3.1	C F	56*56*19	0-60	USB	<3W
N2K2-7	2*2048	7*7	CMOS	14.336		MON08, MON016	95KHz							
N2K2-7C	2*2048	7*7	CMOS	14.336		RGB 24bit, YUV 4:2:2	95KHz							
N4K-3	4096	3.5*3.5	CMOS	14.336		MON08, MON016	95KHz							
N4K-7	4096	7*7	CMOS	28.672		MON08, MON016	95KHz							
N4K2-7	2*4096	7*7	CMOS	28.672		MON08, MON016	47.6KHz							
N4K2-7C	2*4096	7*7	CMOS	28.672		RGB 24bit, YUV 4:2:2	47.6KHz							
N8K-3	8192	3.5*3.5	CMOS	28.672		MON08, MON016	47.6KHz							

EVT ACCEL



EVT Accel Line Scan 25GigE LB-8K 8KCMOS Accel LB-8K

EVT Accel LB-8K 25GigE GigEVision GigE Vision GigEVision GigE Vision GigE Vision

GigE

							GPIO/	
EVT ACCEL	Gpixel GL0816 CMOS sensor	8192 pixels horizontal	-200KHz-8K -66KHz-8K	40.96mm	5 μm*5 μm	66dB	2 in, 1 out, Encoder A/B in	8&10bit
SFP28 25GigE	M52	Win10/linux 64bit	CE, FCC, RoHS, WEEE, GigE Vision, GenICam	97 x 58 x 60 395g	0 - 45	-30 -60	Flat shading (dark, lit), Spatial	9W

EVT PACE



EVT LR-8K LR-8 LR-8K

- Gpixel GL0816 8K
- CMOS
- 10GigE SFP+
- -137KHz -45KHz
- 5 μm
- GigE Vision GenICam

							GPIO/	
EVT PACE	Gpixel GL0816 CMOS sensor	8192 pixels horizontal	-137KHz-8K -45KHz-8K	40.96mm	5 μm*5 μm	66dB	2 in, 1 out, Encoder A/B in	8&10bit
SFP+ 10GigE	M52	Win 7,8,10, Linux (64bit)	CE, FCC, RoHS, WEEE, GigE Vision, GenICam	97 x 58 x 60 395g	0 - 45	-30 -60	Flat shading (dark, lit), Spatial	9W

AOS PROMON 501



PROMON 501

PC
PC-RAM

NIR

PC

IRIG-B

									I/O	
PROMON501	ISO 2400	8bit / 2048x1088 / 85fps@	2/3"(5.5*5.5μm / 12.76 mm)	60db, 8bit	42%		13μsec-1s/fps	12-24VDC/ 6 Watts	TTL Level 0 +30V	C/CS
PROMON501	ISO 3600									
PROMON501	5.56 V/luxsec									

	@fps	@fps	@fps	@fps	@fps	@fps
	2048 x 1088 @85fps	1280x720 @125fps	640x480 @560fps	352x352 @1000fps	256x256 @1370fps	...
4GB RAM	7	12	8	11	15	...
500GB HDD	1 5	1 50	1 10	1 40	2 20	...
1TB HDD	2 10	3 40	2 20	3 20	4 40	...



			μ				μ			

AOS PROMON U750



PROMON U750

USB3

PC

-
-
- USB3 CMOS
-

						I/O					
PROMON U750	ISO 2400 8bit 1280x1024 ISO 3600	4.8*5.8 μm/ 1/2"(6.14 x 4.92 mm)			59μsec-1/fps	Hi-Rose HR10A-7P-6S AOS Art. Nr. 2200204 (30V)	C	0 +50 / +32 +122 -40 +70 / -40 +158	30x30x30mm/ 80gr 1.18"x1.18"x1.18" / 0.18lb	4 x M2 UNC "	56%

	@fps	@fps	@fps	@fps	@fps	@fps	@fps
	1280x1024 @203	1280x720 @284	1024x1024 @249	800x600 @511	640x480 @751	320x240 @2070	...
2GB RAM	8	8	8	8.5	9	13	...
500GB SSD	34	34	34	36	39	56	...

AOS PROMON U1000



PROMON U1000

CMOS

USB3

USB3

PC

- PC
-
-
-

PC RAM

						I/O					
PROMON U1000	ISO 2400	8bit	4.8*4.8 μm/ 2/3" 9.2mmx5.8mm		105μsec-1s/fps	Hi-Rose HR10A-7P-6S AOS Art. Nr. 2200204 30V	C	0 +50 ° C/ +32 +122 -40 +70 ° C/ -40 +158	30x30x30mm/ 80 gr 1.18"x1.18"x 1.18"/ 0.18lb	4 x M2 UNC "	56%
	ISO 3600	1984x1264									

	@fps	@fps	@fps	@fps	@fps	@fps	@fps
	1900x1200 @151	1280x720 @350	1024x1024 @305	800x600 @604	640x480 @817	320x240 @1393	...
2GB RAM	6.2	6.7	6.7	7.4	8.6	20.1	...
500GB SSD	26	27	27	30	35.7	83.6	...



NET

CORSIGHT

CORSIGHT Intel CPU FPGA

- IP67 65x109x73mm
- WLAN

- CMOS
- LED
- C

CORSIGHT

			(μm)			(fps)	(dB)				
C01041C2/C01041M2	/	752x480	6.0×6.0	1/3"	MT9V034	62	49	global	10 μs -1s	0-50 20-95%	IP67, CE, FCC
C04136C2		1280x1024	5.3×5.3	1/1.8"	EV76C560/ EV76C661	60	62	global, rolling, global reset	16 μs -1s		
C04136M2/C04136IR2		1280x1024	5.3×5.3	1/1.8"	EV76C560/ EV76C661	60	63	global, rolling, global reset	16 μs -1s		
C04206C2/C04206M2	/	1600x1200	4.5×4.5	1/1.8"	EV76C570	50	62	global, rolling, global reset	31 μs -1030ms		
C02239C2/C02239M2	/	1920x1200	5.86×5.86	1/1.2"	IMX174LLJ-C/ IMX174LQJ-C	60	75.6	global	20 μs -34s		
C01503C2/C01503M2	/	2592x1944	2.2×2.2	1/2.5"	MT9P031	14	70	global	39 μs -55s		

CORSIGHT

			(kHz)	(μm)							
COL6270M2	2K	2048	37	7.00×7.00	14.33		12bit, single tap		YES	0-50 20-95%	IP67, CE, FCC
COL6435M2	4K	4096	18	3.5×3.5	14.33						





. I/Os



GTR300MW/GTR300CMW	PYTHON300	1/4"	/	640x480	293fps()/147fps()	7.1 μs	9.1 μs
GTR1300MW/GTR1300CMW	PYTHON1300	1/2"	/	1280x1024	85fps()/35fps()	7.2 μs	9.2 μs
GTR2000MW/GTR2000CMW	PYTHON2000	2/3"	/	1920x1200	45fps()/20fps()	8.0 μs	10 μs
GTR5000MW/GTR5000CMW	PYTHON5000	1"	/	2592x2048	21fps()/8.5fps()	8.0 μs	10 μs



GTR300/GTR300C	PYTHON300	1/4"	/	640x480	293fps()/147fps()	7.1 μs	9.1 μs
GTR1300/GTR1300C	PYTHON1300	1/2"	/	1280x1024	85fps()/35fps()	7.2 μs	9.2 μs
GTR2000/GTR2000C	PYTHON2000	2/3"	/	1920x1200	45fps()/20fps()		

XIMEA xiSpec



- XIMEA SOFTHARD Technologies XIMEA xiSpec USB3 HSI
- 26.4x26.4x31mm 32
- imec
- 1.6
- Windows7 10/macOS/Linux/ARM USB3.0
- 2048 “ ” 100
- AIA USB3 Vision
- 5Gb/s
- USB 3.0 SuperSpeed
- 3 LED

xiSpec Snapshot Mosaic					
		nm		/	
MQ022HG-IM-LS100-NIR		600-975	~630-970	100+	1360 / 2048 x 8
MQ022HG-IM-LS150-VISNIR		470-900		150+	850 / 2048 x 5
MQ022HG-IM-SM4X4-VIS	Snapshot Mosaic	470-630	16	170 /	512 x 272 4x4
MQ022HG-IM-SM5X5-NIR	Snapshot Mosaic	655-970	25	170 /	409 x 217 5x5



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		μ							

日本ARTRAY USB系列面阵相机-NIR



ARTRAY公司是一家追求新技术的公司。该公司主要从事图像处理相关设备及软件的开发、制造和销售。是一家有着先进的技术开发能力和创意能力的公司。

ARTRAY USB相机系列采用高度串行总线USB3.0，且3.0的接口广泛适用于电脑，可直接向电脑传输图片。相机拥有高画质和高帧速。可以将图像保存为未压缩状态。适用于机器视觉领域，如制造和检验、医疗和研究应用。

- 体积小且轻便
- 从5M到14M像素的阵容
- CMOS图像传感器
- 帧速率最高可达98.3fps
- 多彩的变化：3.1M、5M及10M像素的CMOS相机，除了彩色模式以外，还有黑白和近红外两种模式。
- ROI性能：为CMOS传感器的特征，可进行部分图像的读取。任意选择要读取的图像部分，使相机拥有高帧率的图像读取能力。
- CMOS传感器的相机镜头卡口为C口
- 相机的电源电压均为DC5V
- 采用滚动快门模式
- 采用全局快门：2.3M和3.1M的相机采用的CMOS全局快门方式，在拍摄高速移动的物体时，图像不会模糊，能拍摄到鲜明清晰的图像。

型号	像素	分辨率	像元尺寸 $\mu\text{m} \times \mu\text{m}$ (H) * (V)	传感器 类型	传感器 尺寸	颜色	最大帧率 (fps)	快门方式	快门时间	与计算机 接口	与镜头 接口	相机尺寸 $\text{mm} \times \text{mm} \times \text{mm}$ (W) * (H) * (D)
ARTCAM-1000MI-USB3-T2	10M	3856*2764	1.67*1.67	CMOS	1/2.3"	黑白/彩色/NIR	6	Rolling	100 μs -2s	USB3.0	C	50*47*59.4
ARTCAM-500MI-USB3-T2	5M	2592*1944	2.2*2.2	CMOS	1/2.5"	黑白/彩色/NIR	13.9	Rolling	100 μs -2s	USB3.0	C	50*47*59.4
ARTCAM-252IMX-USB3-T2	3.1M	2048*1536	3.45*3.45	CMOS	1/1.8"	黑白/彩色/NIR	98.3	Global	100 μs -3s	USB3.0	C	50*47*42.7
ARTCAM-265IMX-USB3-T2	3.1M	2048*1536	3.45*3.45	CMOS	1/1.8"	黑白/彩色/NIR	55.6	Global	100 μs -3s	USB3.0	C	50*47*42.7
ARTCAM-226IMX-USB3-T2	12M	4072*3046	7.53*5.63	CMOS	1/1.7"	黑白/彩色/NIR	27.9	Rolling	1/10000s-0/0352s	USB3.0	C	50*47*42.7
ARTCAM-130XQ -WOM	1.3M	1280 (H) *1024 (V)	10*10	CMOS	1"	NIR	27.7	Rolling	1/31847-1.029s	USB2.0	C	50*47*41.7
ARTCAM-092XQ -WOM	0.92M	1280 (H) *720 (V)	5.6*5.6	CMOS	1/2"	NIR	40	Rolling	1/33898-0.967s	USB2.0	C	50*47*41.7

ARTRAY UV



ARTRAY
ARTRAY

- 200-1200nm
- CMOS
- USB C
- USB
- USB
- C

			$\mu m * \mu m$				(fps)					$mm * mm * mm$	mm
ARTCAM-2020UV-CL/USB3	4M	2048*2048	6.5*6.5	CMOS	1	UV	23Camera Link 43USB3.0	Global	11.2 μs -1s Camera Link 56 μs -1s USB3.0	Camera Link /USB3.0	C	71.6*61.5*51.5	200-1100
ARTCAM-130UV-WOM	1.3M	1280*1024	10*10	CMOS	1	UV	27.7(8bit)/ 14.2(12bit)	Rolling	31.4 μs -1.029s	USB2.0	C	50*47*41.7	200-1100
ARTCAM-092UV-WOM	0.92M	1280*720	5.6*5.6	CMOS	1/2	UV	40	Rolling	29.5 μs -0.967s	USB2.0	C	50*47*41.7	200-1100
ARTCVAM-407UV-WOM	1.5M	1360*1024	4.65*4.65	CCD	1/2	UV	12	Global	17 μs -1/0.08s	USB2.0	C	50*47*49.7	200-400

		μ		







•					

•							

•							

LMI Gocator 2400/2500/2800



Gocator 1300



Gocator 2500



Gocator 2800

LMI
1.1 μm

32kHz

3D

Gocator
3D

			X (μm)	Z (μm)	(FOV) (mm)	(mm)	(mm)		
Gocator 2400	• • 2 •	194mm1940	2410	0.0058	0.0011	10-10	19.0	6	
			2420	0.014	0.0018	27-32	60.0	25	
			2430	0.037	0.006	47-85	75	80	
			2440	0.090	0.013	96-194	183	210	
			2490	0.250	0.07	390-2000	350	1525	
			X (μm)	Z (μm)	(FOV) (mm)	(mm)	(mm)	Kg	
Gocator 2500	• • 2	3D1920	2510	8.0	0.015	13.0-14.5	17.0	6	0.65
			2512	8.0	0.015	13.0-14.5	17.0	6	0.65
			2520	13.0-17.0	0.006	25.0-32.5	47.5	25	0.65
			X (mm)	Z (mm)	(FOV) (mm)	(mm)	(mm)	Kg	
Gocator 2800			2880	0.375	0.092	390-1260	350	800	2.56

LMI Gocator 3200/3500



Gocator 3000

LMI

1.1 μm

32kHz

3D

Gocator

3D

			(Hz)	(mm)	(mm)
Gocator 3200	3210	• 35μm • 4Hz • 200 • 154mm	4	164.0	110
			(FOV) (mm)	XY (μm)	VDI /VDE (μm)
			71 98 - 100x154	60-90	35
			(Hz)	(mm)	(mm)
Gocator 3500	3504	• 6.7μm • 6Hz • XY 6.7 μm • Z 0.2 μm	6	51.5	7
			(FOV) (mm)	XY (μm)	VDI /VDE (μm)
			12.1x13.2 - 13x15	6.7-7.2	—
			(Hz)	(mm)	(mm)
Gocator 3500	3506	• 12μm • 3Hz • 500 • 2 μm	3	87.0	25
			(FOV) (mm)	XY (μm)	VDI /VDE (μm)
			27x45 - 30x45	20-25	12



EVT 3D

EyeScan AT 3D

EyeVision 3D

		Z				
	mm	mm	μ m	μ m	mm	
C5-1600CS23-30	30	± 20	19	0,8	106	1600
C5-20140CS23-38	38	± 20	19	0,8	106	2048
C5-1600CS23-49	49	± 20	31	1,2	106	1600
C5-2040CS23-63	63	± 20	31	1,2	106	2048
C5-3360CS39-67	67	± 7,5	20	0,5	172	3360
C5-1600CS23-78	78	± 20	49	2,0	106	1600
C5-2040CS23-100	100	± 20	49	2,0	106	2048
C5-3360CS30-150	150	± 100	45	1,4	398	3360
C5-4090CS30-182	182	± 125	44	1,4	398	4096
C5-3360CS19-248	248	± 250	74	3,6	685	3360
C5-3360CS30-255	255	± 150	76	2,4	398	3360
C5-1600CS30-260	260	± 150	163	5,1	398	1600
C5-4090CS19-302	302	± 250	74	3,6	685	4096
C5-4090CS30-310	310	± 150	76	2,4	398	4096
C5-2040CS30-330	330	± 150	161	5,0	398	2048
C5-3360CS30-406	406	± 150	121	3,8	398	3360
C5-3360CS18-420	420	± 400	125	6,3	742	3360
C5-4090CS30-495	495	± 150	121	3,8	398	4096
C5-1600CS19-500	500	± 250	313	15,0	685	1600
C5-4090CS18-510	510	± 400	125	6,3	742	4096
C5-2040CS19-640	640	± 250	313	15,0	685	2048
C5-3360CS18-691	691	± 400	206	10,4	742	3360
C5-1600CS18-825	825	± 400	516	26,1	742	1600
C5-4090CS18-842	842	± 400	206	10,4	742	4096
C5-2040CS18-1015	1015	± 400	518	26,2	742	2048
C5-2040CS14-160	160	± 80	78	5	197	2048

/

25000 Hz

4096

90 dB
(with HDR-3D)

M12

IP67

I/O

(2x) / (2x)
, (RS442)

SmartRay ECCO 35/55 3D



SmartRay
SmartRay 3D

“ ” 3D

3D

3D

• ECCO 35

3D

3D

• ECCO 55

3D

3D

ECCO 35

				(Z)	(Y)	Z	Z	
ECCO 35.050	41/49/57mm	60mm	150mm	8.5-16.5 μ m	57-80 μ m	0.02% (0.2 μ m/mm)	1.8 μ m	180g
ECCO 35.100	61/82/103mm	100mm	150mm	11.5-32.5 μ m	82-135 μ m	0.01% (0.1 μ m/mm)	3.8 μ m	180g

ECCO 55

				(Z)	(Y)	Z	Z	
ECCO 55.020	22/24/26mm	20mm	70mm	3.25-4.75 μ m	35-40 μ m	0.01% (0.1 μ m/mm)	3.8 μ m	180g
ECCO 55.050	58/69/81mm	60mm	150mm	13.5-27 μ m	85-115 μ m	0.01% (0.1 μ m/mm)	1 μ m	180g
ECCO 55.100	88/118/148mm	100mm	150mm	19-53.5 μ m	136-228 μ m	0.01% (0.1 μ m/mm)	4.2 μ m	180g



(Z)					Z	
ECCO 75.030	34/36/38mm	16mm	60mm	1.4-1.8 μ m	0.8 μ m	480g
ECCO 75.100	72/98/124mm	100mm	150mm	5-12 μ m	0.8 μ m	480g
ECCO 75.200	125/190/250mm	250m	325mm	12-50 μ m	2.5 μ m	480g

(Z)			(Y)			
ECCO 95.010	10.5/11/11.5mm	5mm	23.5mm	0.37-0.45 μ m	5.8-6.8 μ m	650g
ECCO 95.020						



PHLOX HSC



PHLOX

PHLOX

HSC

PHLOX

PMMA

LED
PMMA

90%

PHLOX

PHLOX

PHLOX

2 HSC

5700 ° K +/-500

2

Phantom

2

95%

2

≥ 95% +/-10%

≥ 130000cd/m²

		+/-10%							mm*mm*mm			
PHLOX-LEDW-BL-100x100-HSC-Q-1R-24V	≥ 130000cd/m ²	≥ 95%	30 ° 1/2	>20 000	24 VDC	≤ 2.2 A	0.5m- φ 3.6mm (1.64ft- φ 0.142")	14A 10ms 1/10	160.5*182*35.82 (6.32"*7.16"*1.41")	860g (30.3oz)	40 104	50 122)
PHLOX-LEDW-BL-100x100-HSCAT-Q-1R-24V	≥ 130000cd/m ²	≥ 95%	30 ° 1/2	>20 000	24 VDC	≤ 2.2 A	3.7m(± 0.1m) - (12.14ft ± 0.33)	14A 10ms 1/10	234.4*182*33 (9.23"*7.16"*1.30")	860g (30.3oz)	40 104	50 122)
PHLOX-LEDW-BL-200x200-HSCAT-Q-1R-24V	≥ 80000cd/m ²	≥ 95%	30 ° 1/2	>20 000	24 VDC	≤ 5 A	3.7m(± 0.1m) - (12.14ft ± 0.33)	32A 10ms 1/10	340.7*266.7*43.3 (13.4"*10.5"*1.70")	3850g (135.8oz)	40 104	50 122)
PHLOX-LEDW-BL-200x200-HSC-Q-1R-24V	≥ 80000cd/m ²	≥ 95%	30 ° 1/2	>20 000	24 VDC	≤ 5 A	0.5m- φ 3.6mm (1.64ft- φ 0.142")	32A 10ms 1/10	266.7*266.7*43.3 (10.5"*10.5"*1.70")	3850g (135.8oz)	40 104	50 122)

PHLOX IFC LED



PHLOX
PHLOX IFC

IP-65

-
- /
- IFC LED SLLUB
-
- $\geq 70000\text{cd/m}^2$ $\geq 500000\text{cd/m}^2$
- $\geq 95\%$ +/-10%
- >100000
- M12 5
- 14mm/0.55"

PHLOX-LEDW-BL-100x100-SLLUB-IFC-Q-1R-24V	$\geq 70000\text{cd/m}^2$ 500000cd/m ²	$\geq 95\%$ +/-10%	30 ° 1/2	>100 000	24 VDC	≤ 600 mA	2m- φ2.7mm 6.56ft- φ0.10"
3.6A 1/10 5μs min-10ms max	10ms 4μs	140mm*134mm*14mm (5.51"*5.28"*0.55")		800g (28.223oz)	95%	50 122)	60 140

PHLOX LLUB IR



PHLOX
PHLOX LLUB IR

IP-65

2

2 /

2 LLUB

2

2

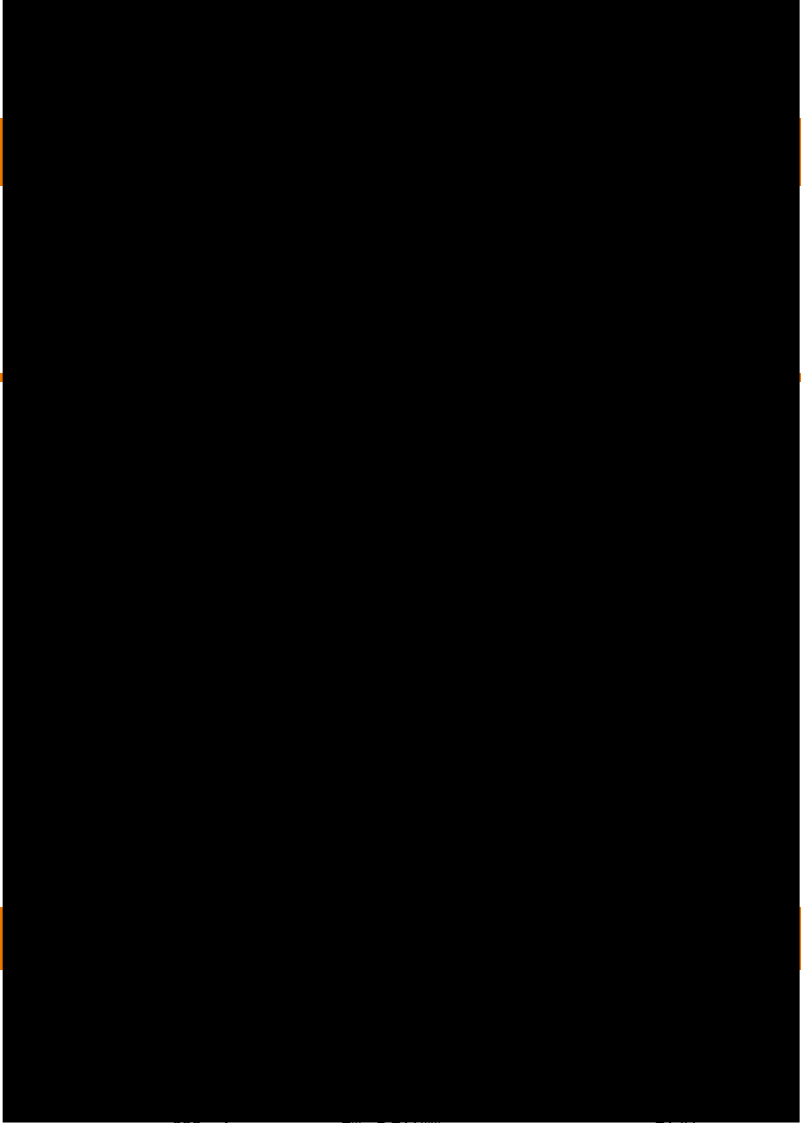
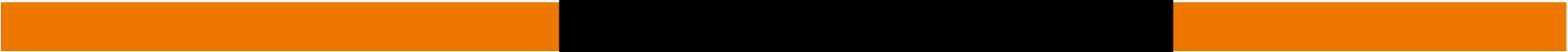
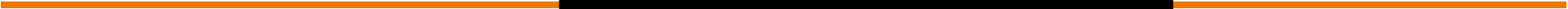
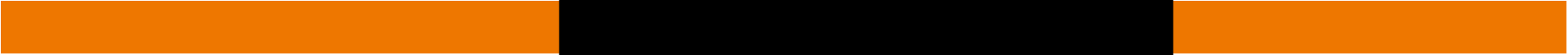
2 IR 850nm ± 15 940nm

2 95%

2 >100000 ≥ 95% +/-10%

2 8.5mm/0.334"

									/
PHLOX-LEDIR-BL-50x50-LLUB-Q-1R-24V-940	≥ 7W/m ² .sr	30 ° 1/2	24 VDC	≤ 140 mA	2m- φ 2.7mm 6.56ft- φ 0.10"	0.56A 10ms 1/10	90mm*85mm*8.5mm 3.54"*3.35"*0.334"	120g(4.2oz)	50 122)/ 60 140
PHLOX-LEDIR-BL-50x50-LLUB-Q-1R-24V	≥ 37W/m ² .sr			≤ 140 mA	2m- φ 2.7mm 6.56ft- φ 0.10"	0.56A 10ms 1/10	90mm*85mm*8.5mm 3.54"*3.35"*0.334"	120g(4.2oz)	
PHLOX-LEDIR-BL-100x100-LLUB-Q-1R-24V-940	≥ 11W/m ² .sr			≤ 220 mA	2m- φ 2.7mm 6.56ft- φ 0.10"	0.88A 10ms 1/10	140mm*134mm*8.5mm 5.51"*5.28"*0.334"	400g(14.1oz)	
PHLOX-LEDIR-BL-100x100-LLUB-Q-1R-24V	≥ 20W/m ² .sr			≤ 220 mA	2m- φ 2.7mm 6.56ft- φ 0.10"	0.88A 10ms 1/10	140mm*134mm*8.5mm 5.51"*5.28"*0.334"	400g(14.1oz)	
PHLOX-LEDIR-BL-200x200-LLUB-Q-1R-24V-940	≥ 3W/m ² .sr			≤ 450 mA	2m- φ 2.7mm 6.56ft- φ 0.10"	1.8A 10ms 1/10	240mm*234mm*8.5mm (9.45"*9.21"*0.334")	640g(22.54oz)	
PHLOX-LEDIR-BL-200x200-LLUB-Q-1R-24V	≥ 10W/m ² .sr			≤ 450 mA	2m- φ 2.7mm 6.56ft- φ 0.10"	1.8A 10ms 1/10	240mm*234mm*8.5mm (9.45"*9.21"*0.334")	640g(22.54oz)	
PHLOX-LEDIR-BL-400x200-LLUB-Q-1R-24V	≥ 10W/m ² .sr			≤ 720 mA	2m- φ 2.7mm 6.56ft- φ 0.10"	3.8A 10ms 1/10	440mm*234mm*8.5mm (17.32"*9.21"*0.334")	1160g(40.91oz)	



PHLOX-LEDW-BL-20x20-
LLUB-Q-1R-24V $\geq 70000\text{cd/m}^2$

PHLOX-LEDW-BL-50x50-
LLUB-Q-1R-24V $\geq 30000\text{cd/m}^2$

PHLOX-LEDW-BL-100x100-
LLUB-Q-1R-24V $\geq 60000\text{cd/m}^2$

$\leq 600\text{ mA}$ 6.56ft - $\varnothing 0.10''$ 10ms 1/10

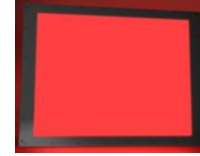
60mm*55mm*8.5mm
(2.36"*2.17"*0.334") 80g(2.82oz)

90mm*85mm*8.5mm
(3.54"*3.35"*0.334") 120g(4.2oz)

140mm*134mm*8.5mm
(5.51"*5.28"*0.334")

P0000p

PHLOX LLUB



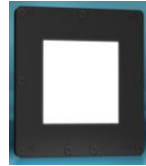
PHLOX
PHLOX LLUB

IP-65

-
- /
- LLUB LED-
- $\geq 6000\text{cd/m}^2$ $\geq 22000\text{cd/m}^2$ 100000 20%
- $\geq 95\%$ +/-10% >100000
- 95%
- 8.5mm/0.334"

									/
PHLOX-LEDR-BL-20x20-LLUB-Q-1R-24V	$\geq 22000\text{cd/m}^2$	30 ° 1/2	(24 VDC)	$\leq 120\text{ mA}$	2m- ϕ 2.7mm 6.56ft- ϕ 0.10"	0.48A 10ms 1/10	60mm*55mm*8.5mm (2.36"*2.17"*0.334")	80g(2.82oz)	50 122)/ 60 140
PHLOX-LEDR-BL-50x50-LLUB-Q-1R-24V	$\geq 20000\text{cd/m}^2$			$\leq 250\text{ mA}$	2m- ϕ 2.7mm 6.56ft- ϕ 0.10"	0.68A 10ms 1/10	90mm*85mm*8.5mm (3.54"*3.35"*0.334")	120g(4.2oz)	
PHLOX-LEDR-BL-100x100-LLUB-Q-1R-24V	$\geq 14000\text{cd/m}^2$			$\leq 550\text{ mA}$	2m- ϕ 2.7mm 6.56ft- ϕ 0.10"	1.4A 10ms 1/10	140mm*134mm*8.5mm (5.51"*5.28"*0.334")	400g(14.1oz)	
PHLOX-LEDR-BL-150x40-LLUB-Q-1R-24V	$\geq 19000\text{cd/m}^2$			$\leq 320\text{ mA}$	2m- ϕ 2.7mm 6.56ft- ϕ 0.10"	1.28A 10ms 1/10	193mm*77mm*8.5mm (7.6"*3.03"*0.334")	240g(8.47oz)	
PHLOX-LEDR-BL-160x120-LLUB-Q-1R-24V	$\geq 10500\text{cd/m}^2$			$\leq 70\text{ mA}$	2m- ϕ 2.7mm 6.56ft- ϕ 0.10"	2A 10ms 1/10	200mm*154mm*8.5mm (7.87"*6.06"*0.334")	400g(14.1oz)	
PHLOX-LEDR-BL-200x200-LLUB-Q-1R-24V	$\geq 10000\text{cd/m}^2$			$\leq 1.2\text{ A}$	2m- ϕ 2.7mm 6.56ft- ϕ 0.10"	2.6A 10ms 1/10	240mm*234mm*8.5mm (9.45"*9.21"*0.334")	640g(22.54oz)	
PHLOX-LEDR-BL-300x220-LLUB-Q-1R-24V	$\geq 6000\text{cd/m}^2$			$\leq 1.6\text{ A}$	2m- ϕ 2.7mm 6.56ft- ϕ 0.10"	3.2A 10ms 1/10	354mm*258mm*8.5mm (13.94"*10.16"*0.334")	1020g(35.98oz)	
PHLOX-LEDR-BL-400x200-LLUB-Q-1R-24V	$\geq 6000\text{cd/m}^2$			$\leq 1.8\text{ A}$	2m- ϕ 2.7mm 6.56ft- ϕ 0.10"	3.8A 10ms 1/10	440mm*234mm*8.5mm (17.32"*9.21"*0.334")	1160g(40.91oz)	

PHLOX SLLUB



PHLOX
PHLOX SLLUB

IP-65

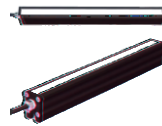
-
-
- SLLUB
- $\geq 30000\text{cd/m}^2$ $\geq 100000\text{cd/m}^2$ $\geq 95\%$ $\pm 10\%$
- 95%
- 50 122) 60 140
- >100000
- 8.5mm/0.334"

		$\pm 10\%$								
PHLOX-LEDW-BL-50x50-SLLUB-Q-1R-24V	$\geq 100000\text{cd/m}^2$	$\geq 95\%$	30 ° 1/2	$>100\ 000$	24 VDC	$\leq 450\ \text{mA}$	2m- $\phi 2.7\text{mm}$ 6.56ft - $\phi 0.10''$	1.8A 10ms 1/10	90mm*85mm*8.5mm (3.54"*3.35"*0.334")	120g(4.2oz)
PHLOX-LEDW-BL-100x100-SLLUB-Q-1R-24V	$\geq 90000\text{cd/m}^2$	$\geq 95\%$	30 ° 1/2	$>100\ 000$	24 VDC	$\leq 900\ \text{mA}$	2m- $\phi 2.7\text{mm}$ 6.56ft - $\phi 0.10''$	3.6A 10ms 1/10	140mm*134mm*8.5mm (5.51"*5.28"*0.334")	400g(14.1oz)
PHLOX-LEDW-BL-150x40-SLLUB-Q-1R-24V	$\geq 40000\text{cd/m}^2$	$\geq 90\%$	30 ° 1/2	$>100\ 000$	24 VDC	$\leq 700\ \text{mA}$	2m- $\phi 2.7\text{mm}$ 6.56ft - $\phi 0.10''$	2.8A 10ms 1/10	193mm*77mm*8.5mm (7.6"*3.03"*0.334")	240g(8.47oz)
PHLOX-LEDW-BL-160x120-SLLUB-Q-1R-24V	$\geq 34000\text{cd/m}^2$ 136000cd/m ²	$\geq 95\%$	30 ° 1/2	$>100\ 000$	24 VDC	$\leq 1.2\ \text{A}$	2m- $\phi 2.7\text{mm}$ 6.56ft - $\phi 0.10''$	4.8A 10ms 1/10	200mm*154mm*8.5mm (7.87"*6.06"*0.334")	400g(14.1oz)
PHLOX-LEDW-BL-200x200-SLLUB-Q-1R-24V	$\geq 30000\text{cd/m}^2$ 124000cd/m ²	$\geq 95\%$	30 ° 1/2	$>100\ 000$	24 VDC	$\leq 2\ \text{A}$	2m- $\phi 2.7\text{mm}$ 6.56ft - $\phi 0.10''$	8A 10ms 1/10	240mm*234mm*8.5mm (9.45"*9.21"*0.334")	640g(22.54oz)



PHLOX

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PHLOX
PHLOX LLUB

/

- LLUB 100000 20%
- 100000 10%
- IP40 (IP65)
- 50 122) 60 140
- PHLOX 24

		+/-10%								
PHLOX-LEDW-LINEAR-260-31X24.5-LLUB-1R-24V	$\geq 300000\text{cd/m}^2$	$\geq 90\%$	30 ° 1/2	>100 000	24 VDC	$\leq 750\text{ mA}$	2m- .7mm 6.56ft- 0.14"	3A 10ms 1/10	291x31x24.5mm (11.45x1.22x0.96")	180g (6.3oz)

- /
- LED 157x100mm
- $\geq 70000\text{cd/m}^2$ >50000
- 95%

PHLOX-LEDW-TUH31-157x100-LLUB-D-1R-24V	≥ 7000cd/m ²	>50 000	24 VDC	≤ 370 mA	2m- ϕ 2.7mm 6.56ft- ϕ 0.10"	140mm*112mm*78mm (5.51"*4.41"*3.07")	300g (10.58oz)	50 122)	60 140

PHLOX RGB



PHLOX
PHLOX

RGB

IP-65

/

- RGB LED + + +
- R 2000-6000cd/m² G 4000-10000cd/m² B 300-900cd/m² W 6300-16900cd/m²
- ≥ 95% +/-10% 8.5mm/0.334"
- 50 122) 60 140
- 95%

		+/-10%					PTFE			
PHLOX-LEDRGB-BL-50x50-S-Q-1R-24V	R 6000 G 10000 B 900 W 16900cd/m ²	≥ 95%	30 ° 1/2	50000	24 VDC	Red 100mA Green 100mA Blue 40mA W 240mA	2m	Red: 0.4A, Green: 0.4A, Blue: 0.16A, White: 0.96A 10ms 1/10	90mm*85mm*64.5mm (3.54"*3.35"*2.54")	220g (7.76oz)
PHLOX-LEDRGB-BL-100x100-S-Q-1R-24V	R 3000 G 6000 B 600 W 10000cd/m ²	≥ 95%	30 ° 1/2	50000	24 VDC	Red 150mA Green 170mA Blue 80mA W 400mA	2m	Red: 0.6A, Green: 0.68A, Blue: 0.32A, White: 1.6A 10ms 1/10	140mm*134mm*8.5mm (5.51"*5.28"*0.334")	400g (14.1oz)
PHLOX-LEDRGB-BL-200x200-S-Q-1R-24V	R 2000 G 4000 B 300 W 6300cd/m ²	≥ 95%	30 ° 1/2	50000	24 VDC	Red 290mA Green 400mA Blue 140mA W 830mA	2m	Red: 1.16A, Green: 1.6A, Blue: 0.56A, White: 2.92A 10ms 1/10	240mm*234mm*8.5mm (9.45"*9.21"*0.334")	750g (26.45oz)

SVL



Smart Vision Light(SVL)

LED

SOBL

LLPX

Smart Vision Lights

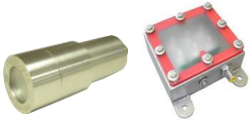
LLP

SOBL		LED	LLPX		LED



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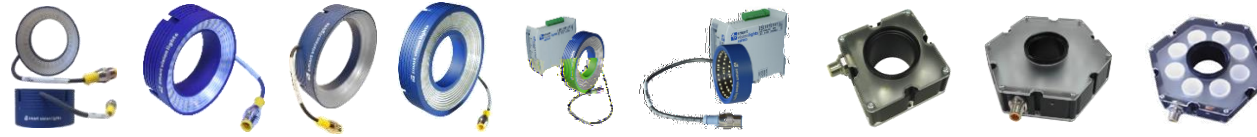
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SX30 30mm 365nm-
1550nm



美国SVL微型环形光源



Smart Vision Light (SVL) 是为机器视觉等工业应用提供高亮度LED照明设备的优秀设计制造商。

迷你LED环形光源亮度高，有多种波长可供选择，满足多种应用需求。所有迷你LED环形光源均采用标准5针M12连接器，接线简单。迷你LED环形光源系列包括：RM75系列、RMX75系列、RM140系列、RMX140系列。

所有EZ Mount LED环形光源均直接安装在相机镜头上。有四种标准安装方式可供选择，这使得EZ Mount LED环形光源能够快速轻松地适应任何视觉系统。

型号	尺寸	波长	特点	型号	尺寸	波长	特点	型号	尺寸	波长	特点	型号	尺寸	波长	特点
RM75系列	75mm	470nm-625nm	外径75毫米x内径52毫米小角度环形光源	RMX75系列	75mm	470nm-625nm	外径75毫米x内径52毫米环形光源， 配备硅树脂透镜	RM140系列	140mm	470nm-625nm	外径140毫米x内径102毫米小角度环形光源	RMX140系列	140mm	365nm-940nm	外径140毫米x内径100毫米（6英寸x4英寸）锥形环形光源， 配备硅树脂透镜
R80系列	80mm	365nm-940nm	"EZ Mount环形光源"	ODR80系列	80mm	365nm-940nm	采用OverDrive技术的环形光源- "EZ Mount环形光源"	R130系列	130mm	365nm-940nm	"EZ Mount环形光源"	ODR130系列	130mm	365nm-940nm	采用OverDrive技术的环形光源- "EZ Mount环形光源"
RC130系列	130mm	365nm-940nm	环形光源， "EZ Mount环形光源"， 配备聚焦广角透镜	RCC130系列	130mm	365nm-940nm	环形光源， "EZ Mount环形光源"， 配备聚焦窄透镜	RMX140-RGBW	140mm		外径140mmx内径100mm（6" x4"） 锥形环形光环，配备红/绿/蓝/白（R/G/B/W）硅树脂透镜； 另有套装出售 （包含光源、外部驱动器、线缆）	RMF60系列	60mm	470nm-625nm	大功率环形光源； 另有套装出售 （包含光源、外部驱动器）
ODR130-16系列	130mm	470nm-940nm	配置16个LED， 采用OverDrive技术的环形光源， "EZ Mount环形光源"	RD130系列	130mm	470nm-940nm	漫射环形光源- "EZ Mount环形光源"								

美国SVL大面积环形光源



Smart Vision Light (SVL) 是为机器视觉等工业应用提供高亮度LED照明设备的优秀设计师和制造商。

大面积环形光源系列均内置驱动器，无需外部线缆连接驱动器。

型号	尺寸	波长	特点	型号	尺寸	波长	特点	型号	尺寸	波长	特点	型号	尺寸	波长	特点
RL200系列	200mm	470nm-850nm	环形光源	ODRL200系列	200mm	470nm-850nm	采用OverDrive技术的环形光源	RL300系列	300mm	470nm-850nm	环形光源	ODRL300系列	300mm	470nm-850nm	采用OverDrive技术的环形光源

REVOX SPX-TB80



5 μ s

- ON/OFF: 300nsec
- / 120-3600mm 120mm
- 10-100 5%

			x x			LED	CBL-TB		
SPX-TB80	120-3,960mm 120mm	225 W/m	+120 × 50 × 70mm		360 160mm	50,000	20 50	5 40 20-80%	10 60 20-85%

REVOX SPX-N80



N80 TB80

40

TB80

- 40 lx LED 50,000
- 120-3960mm 120mm
-

				x x)		LED				LED
	120-3,960mm 120mm	225W/m		+120 × 50 × 70mm	360mm 160mm	50,000	30	5 40 20-80%	0 60 20-80%	

REVOX SPX-TA200



LED SPX-TA70 1μs

- 200 lx
-
- 120-3600mm 120mm
- UV365/380/395/405nm NIR850/940nm
- 5
- 10-100 5%
- ON: 1μsec/OFF: 500μsec
- LDE 50,000 25,000 LED

SPX-TA200	240-3,960mm 120mm	375 W/m	+110 × 136.3 × 60mm	10kg/m	160 360	20 50	Cat5e NO.:R-0KTP-E5-P-AWG26 × 4P-SASB OKANO CABLE Co.,Ltd	5 30 20-80%	0 60 20-85%





μ

									-			

日本Aitec高亮度照明



型号	产品	图示	型号	产品	图示
LLRH	高亮度直线照明		LMH	高亮度大型面照明	
LLRG-W	超高亮度直线照明		LMG	高亮度面照明	
LLRGC	超高亮度直线照明		LMWG	大型面照明	
LLR	高亮度直线照明		LLNB	窄光子光束照明（超细线式光源）	
LLRVC	高亮度直线照明		LLBK	高亮度光源BOX	
LLRJ	高亮度直线照明		LLBGR	高亮度全彩光源BOX	
LLRRC	高亮度直线照明		LLBG	高亮度光源BOX	
LLRG-RGB	高亮度直线照明		LLBG-ZAF	高亮度光源BOX（滤光片转换器）	
LLGA/LLWGA	高亮度扩散光直线照明		—	选配项目（集光镜头元件等）	
LLRA	高亮度直线同轴落射照明		LFS	高指向面状点阵照明	
LLDHB	高亮度直线Dome照明		LRG	全视野环状照明	
LLDMAC/LLDMBC	高亮度直线Dome照明		Power-Eye	目视检查照明	
LLDEA/LLDEB	高亮度直线Dome照明		SU-Power	长距离Spot照明	
LCAG	同轴落射照明		LLH-UV	紫外光照明	
LDG	LED Dome照明		IR	红外线照明	

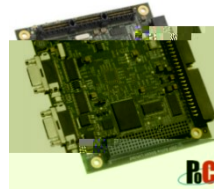
					
					
					
					



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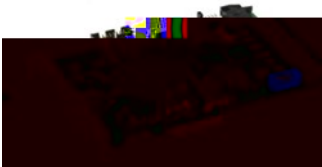


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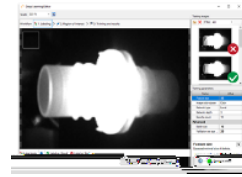
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Adaptive Vision



Adaptive Vision

Adaptive Vision

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- -
 -

GPU 20 50
GPU 5 100ms/MP

- -
 -
 -
- 99%
- 100%

1.
 - 20 50
 -
2.
 - DeepLearning_ClassifyFeatures DeepLearning_DetectAnomalies
 - DeepLearning
 -
 -
 - “ ”
3.
 -

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Matrox		A&B	
	· 3D web		· A&B x
Nortech			
	· Nortech EMS		·



600mm 300mm 200mm 100mm 50mm



/

600mm × 300mm × 200mm 500mm 300mm

300mm

Alkeria4K sentech(2K-8K) EVT 8K USB 2K 4K 8K

35mm

300mm

Alkeria4K sentech(2K-8K) EVT 8K USB 2K 4K 8K

35mm

300mm

360

3D

/



3D

/		600mm 300mm × 200mm × 100mm
3D	3D	Photoneo3D 113mm × 83mm 180mm GigE
		C-Sharp C++ PLY
3D	3D	SmartRay 3D 150HZ-4KHZ 190mm LMI3D 170HZ-5KHZ 194mm
		C-Sharp C++
		CSV ascii

/		540mm 1.5kg 2kg 6 ± 0.05mm	
		12mmFA FA	
		90 200 SVL	
	3D	Photoneo3D 113mm × 83mm 180mm GigE	



Telecentric

0.1%

315mm

44mm

IP65

0.1 °

- 1.760x-0.037x
- 25mm-315mm
- 45mm-545mm

- 0.1%
- 0.1 °
-
-

1
2
3
4

44mm



CONTACTS

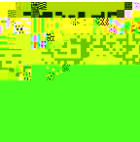
OPTIGER OPTOELECTRONICS TECHNOLOGY (TIANJIN) CO., LTD.

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Mobile Website