

Industrial Cameras

Industrial cameras for robotic vision applications

High performance industrial cameras that seamlessly communicate with robots and control environment. The portfolio features the latest CMOS sensor technology to use in automated processes.

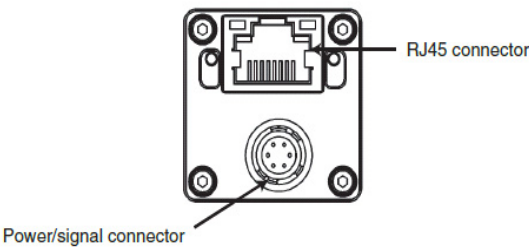



- Well-suited to address a wide range of robotics applications
- Offering high image quality, high frame rates, all in a compact design
- Compatible with all of ACE's 35+ powerful vision tools
- Bundled with cables and accessories to connect with robot

Sentech								
Part Number	Image Elements	Effective Pixels	Color / Monochrome	Frame Rate	Lens Mounting	Power Supply	Bundled Accessories	General
31940-010	1/2.9 CMOS	720 x 540	Mono	282.2 fps	C	POE or 10.8 to 26.4 VDC	Camera tripod mount CAT 5e cable, 10m Power I/O cable, 10m	GigE Vision 2.1 Compatible
31940-011	1/2.9 CMOS	720 x 540	Color	282.2 fps				
31940-130	1/1.8 CMOS	1280 x 1024	Mono	61 fps				
31940-131	1/1.8 CMOS	1280 x 1024	Color	61 fps				
31940-160	1/2.9 CMOS	1440 x 1088	Mono	70.7 fps				
31940-161	1/2.9 CMOS	1440 x 1088	Color	70.7 fps				
31940-200	1/1.7 CMOS	1624 x 1240	Mono	54.6 fps				
31940-201	1/1.7 CMOS	1624 x 1240	Color	54.6 fps				
31940-320	1/1.8 CMOS	2048 x 1536	Mono	34.9 fps				
31940-321	1/1.8 CMOS	2048 x 1536	Color	34.9 fps				
31940-500	2/3 CMOS	2448 x 2048	Mono	21.9 fps				
31940-501	2/3 CMOS	2448 x 2048	Color	21.9 fps				
31940-530	1/2.5 CMOS	2592 x 1944	Mono	14 fps				GigE Vision 2.1 Compatible; Rolling Shutter
31940-531	1/2.5 CMOS	2592 x 1944	Color	14 fps				
31940-100	1/2.3 CMOS	3856 x 2764	Mono	10.3 fps				
31940-120	1/1.7 CMOS	4000 x 3000	Mono	9.2 fps				
31940-121	1/1.7 CMOS	4000 x 3000	Color	9.2 fps				
31940-240	1" CMOS	5472 x 3648	Mono	5.5 fps				
31940-241	1" CMOS	5472 x 3648	Color	5.5 fps				

Item	Basler							
Part Number	24114-100	24114-101	24114-200	24114-201	24114-250	24114-251	24114-300	24114-301
Image elements	1/4-inch CCD		1/3-inch CCD	1/3-inch CCD	1/1.8-inch CMOS	1/1.8-inch CMOS	1-inch CMOS	1-inch CMOS
Effective pixels	659(H) x 494(V)	658(H) x 492(V)	1296(H) x 966(V)	1294(H) x 964(V)	1602(H) x 1202(V)	1600(H) x 1200(V)	2048(H) x 2048(V)	2046(H) × 2046(V)
Color/Monochrome	Monochrome	Color	Monochrome	Color	Monochrome	Color	Monochrome	Color
Frame rate	120 fps		30 fps	30 fps	60 fps	60 fps	25 fps	25fps
Trigger input	• Software trigger • External trigger				• Software trigger		• Software trigger • External trigger	
I/F	Gigabit Ethernet (1 Gbit/s)							
Lens mounting	• C mount • CS mount				• C mount	• C mount • CS mount	• C mount	
Power supply voltage	PoE or 12 VDC							
Power consumption (PoE/AUX)	2.5 W/2.0 W		2.7 W/2.2 W		2.7 W/2.1 W		3.1 W/2.6 W	
Weight	Approx. 90 g							
Bundled cables	Camera Cable, 10 m (18472-000) Power I/O Cable, 10 m (09454-610)							

Connection

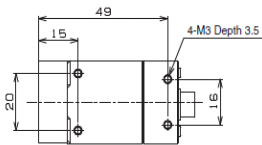
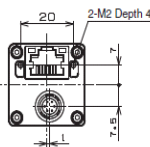
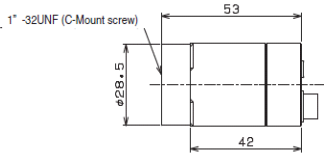
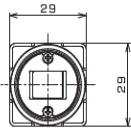
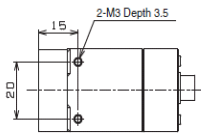
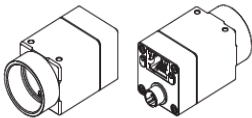


Pin Assignment

Pin No.	Signal name	I/O	Signal voltage
1	POWER IN	IN	10.8 to 26.4 Vdc
2	Isolated input (Line0)	IN	Low: 1.0 V or less High: 3.0 to 26.4 V * Potential difference between isolated input and isolated I/O common
3	Non-isolated I/O (Line2)	IN / OUT	3.0 to 26.4 V/Open Collector
4	Isolated output (Line1)	OUT	Open Collector
5	Isolated I/O common	IN	
6	GND	IN	0 V



Dimensions



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