

PreciDrive G3 Series

HIGH PERFORMANCE 3D SENSORS

- Up to 22Hz point cloud rate
- FOV dependent accuracy levels down to 2microns
- FOV from 30x20mm to 500x400mm
- USB3 or GigE Interface



The **PreciDrive** G3 Series are compact, blue light structured light sensors that reliably provide three dimensional shape data at exceptional speed and accuracy. The sensors are designed for quantitative and precise 3D measurements for 100% quality inspection in production lines. The sensor can be connected to a host computer through a USB3 or GigE interface. The G3 Series can operate in camera mode, in 3D mode and in a mixed mode to allow vision engineers to solve for a wide variety of machine vision tasks. Typical applications include e.g. inline inspection of plastic mold parts, consumer goods, electronic parts, casting parts, sheet metal forming, medical, dental, biometric applications and food processing

Regular	Model	Working Distance [mm]	Measurement volume [mm]	Sampling X, Y dir [µm]	Acquisition speed(1) [ms]	Accuracy(2) z [µm]	Acquisition speed(3) [ms]	Accuracy z [µm]	Interface
	G3-30-180N	180	30x19x5	16	340	2	178	3	USB3
	G3-60-180N	180	60x38x40	32	340	4	178	5	USB3
	G3-120-350N	350	120x76x100	63	340	5	178	7	USB3
	G3-240-350N	350	240x152x120	126	340	10	178	12	USB3
	G3-360-500N	500	360x227x200	189	340	15	178	20	USB3
	G3-500-600N	600	500x316x300	263	340	20	178	25	USB3
High resolution									
	G3-30-180H	180	30x25x5	12	340	1	178	2	USB3
	G3-60-180H	180	60x50x40	25	340	2	178	3	USB3
	G3-120-350H	350	120x100x100	49	340	3	178	5	USB3
	G3-240-350H	350	240x201x120	98	340	7	178	10	USB3
	G3-360-500H	500	360x301x200	147	340	10	178	15	USB3
	G3-500-600H	600	500x418x400	204	340	15	178	20	USB3
Super high resolution									
	G3-30-180SH	180	30x20x5	7	1700	0,7	3500	0,5	USB3
	G3-60-180SH	180	60x40x40	14	1700	1	3500	0,7	USB3
	G3-120-350SH	350	120x80x100	28	1700	1,5	3500	1,2	USB3
	G3-240-350SH	350	240x160x120	57	1700	3	3500	2,5	USB3
	G3-360-500SH	500	360x240x200	85	1700	6	3500	5	USB3
	G3-500-600SH	600	500x333x400	118	1700	10	3500	7	USB3
High speed									
	G3-30-180S	180	30x23x5	47	44	6			USB3 avail in Q3/2016
	G3-60-180S	180	60x45x40	94	44	10			USB3 avail in Q3/2016
	G3-120-350S	350	120x90x100	188	44	15			USB3 avail in Q3/2016
	G3-240-350S	350	240x180x120	375	44	30			USB3 avail in Q3/2016
	G3-360-500S	500	360x270x300	563	44	50			USB3 avail in Q3/2016
	G3-500-600S	600	500x375x400	781	44	65			USB3 avail in Q3/2016
Cost optimized									
	G3-60-180L	180	60x45x40	94	800	10			USB3
	G3-240-350L	350	240x152x120	126	800	20			USB3
	G3-360-500L	500	360x227x130	189	800	50			USB3
GigE									
	G3-30-180-GigE	180	30	16	1250	2	650	3	GigE avail in Q3/2016
	G3-60-180-GigE	180	60	32	1250	4	650	5	GigE avail in Q3/2016
	G3-120-350-GigE	350	120	63	1250	5	650	7	GigE avail in Q3/2016
	G3-240-350-GigE	350	240	126	1250	10	650	12	GigE avail in Q3/2016
	G3-360-500-GigE	500	360	189	1250	15	650	20	GigE avail in Q3/2016
	G3-500-600-GigE	600	500	263	1250	20	650	25	GigE avail in Q3/2016

1) High resolution mode
2) According to VDI2634
3) Normal mode