

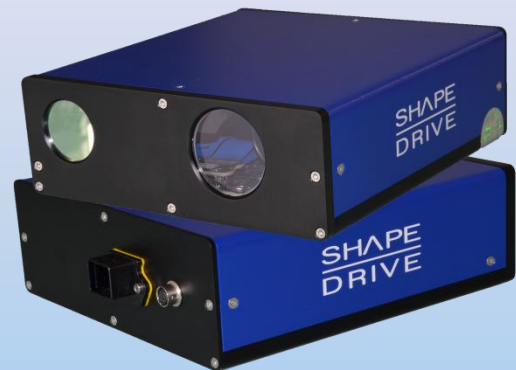
# ShapeDrive G3 Series

SHAPE  
DRIVE

## HIGH PERFORMANCE 3D SENSORS

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

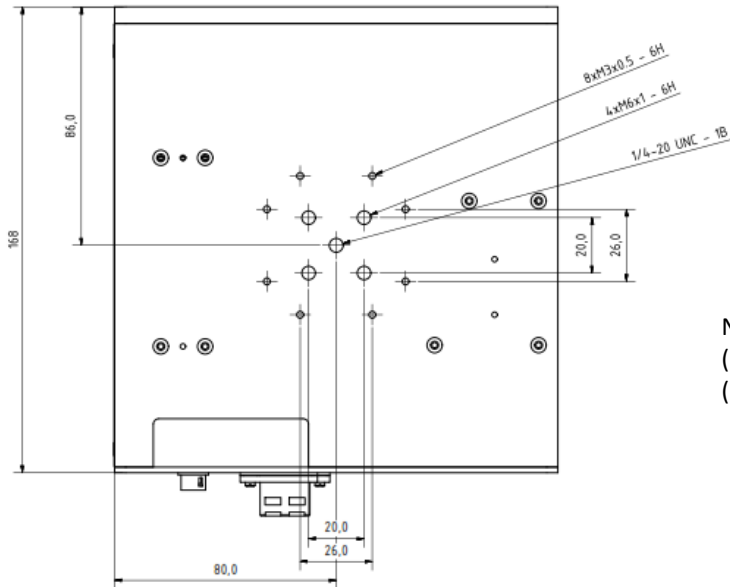
The ShapeDrive® G3 Series are compact, blue light area scan sensors that reliably provide three dimensional shape data at exceptional speed and accuracy. The sensors are designed for quantitative and precise 3D measurements for 100% quality inspection in production lines. The sensor can be connected 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.



Model	Working Distance [mm]	FOV x [mm]	FOV y [mm]	FOV z [mm]	Sampling x, y dir [µm]	Acquisition speed [ms]	Accuracy* z [µm]	Acquisition speed [ms]	Accuracy z [µm]	Interface
<b>Regular</b>										
G3-30-180N	180	30	19	5	16	340	2	178	3	USB3
G3-60-180N	180	60	38	40	32	340	4	178	5	USB3
G3-120-350N	350	120	76	100	63	340	5	178	7	USB3
G3-240-350N	350	240	152	120	126	340	10	178	12	USB3
G3-360-500N	500	360	227	300	189	340	15	178	20	USB3
G3-500-600N	600	500	316	500	263	340	20	178	25	USB3
<b>High resolution</b>										
G3-30-180H	180	30	25	5	12	340	1	178	2	USB3
G3-60-180H	180	60	50	40	25	340	2	178	3	USB3
G3-120-350H	350	120	100	100	49	340	3	178	5	USB3
G3-240-350H	350	240	201	120	98	340	7	178	10	USB3
G3-360-500H	500	360	301	300	147	340	10	178	15	USB3
G3-500-600H	600	500	418	500	204	340	15	178	20	USB3
<b>Super high resolution</b>										
G3-30-180SH	180	30	20	5	7	1700	0,7	3500	0,5	USB3
G3-60-180SH	180	60	40	40	14	1700	1	3500	0,7	USB3
G3-120-350SH	350	120	80	100	28	1700	1,5	3500	1,2	USB3
G3-240-350SH	350	240	160	120	57	1700	3	3500	2,5	USB3
G3-360-500SH	500	360	240	300	85	1700	6	3500	5	USB3
G3-500-600SH	600	500	333	500	118	1700	10	3500	7	USB3
<b>High speed</b>										
G3-30-180S	180	30	23	5	47	44	6			USB3 avail in Q3/2016
G3-60-180S	180	60	45	40	94	44	10			USB3 avail in Q3/2016
G3-120-350S	350	120	90	100	188	44	15			USB3 avail in Q3/2016
G3-240-350S	350	240	180	120	375	44	30			USB3 avail in Q3/2016
G3-360-500S	500	360	270	300	563	44	50			USB3 avail in Q3/2016
G3-500-600S	600	500	375	500	781	44	65			USB3 avail in Q3/2016
<b>Cost optimized</b>										
G3-60-180L	180	60	45	40	94	800	10			USB3
G3-240-350L	350	240	152	120	126	800	20			USB3
G3-360-500L	500	360	227	300	189	800	50			USB3
<b>GigE</b>										
G3-30-180-GigE	180	30	19	5	16	1250	2	650	3	GigE avail in Q3/2016
G3-60-180-GigE	180	60	38	40	32	1250	4	650	5	GigE avail in Q3/2016
G3-120-350-GigE	350	120	76	100	63	1250	5	650	7	GigE avail in Q3/2016
G3-240-350-GigE	350	240	152	120	126	1250	10	650	12	GigE avail in Q3/2016
G3-360-500-GigE	500	360	227	300	189	1250	15	650	20	GigE avail in Q3/2016
G3-500-600-GigE	600	500	316	500	263	1250	20	650	25	GigE avail in Q3/2016

\*According to VDI2634

# ShapeDrive G3 Series



## NOTES:

- (1) DIMENSIONS IN MM
- (2) THE FRONT PANEL CAN LOOK DIFFERENT FOR EACH MODEL. THE MODEL SHOWN IS THE G3-360-500N

