



PrimeScan R5|C5 — 5.0 Megapixel

System

Camera sensor	s/w or color CMOS 2/3"
Camera resolution	2 x 5.013.504 Pixel (2.448 x 2.048)
Projection unit	Miniaturized Projection Technique
Projection resolution	28.723.200 Pixel (6.144 x 4.675)
Light source	100 W High Power-LED (blue or white)
Minimum measuring time	1 s
Sensor weight	3,8 kg ⁽¹⁾
Power supply	AC 110/230 Volt, 50-60 Hz, external, 150 W
Control unit	Integrated, USB 3.0
Operating system	Windows 7 or Windows 10, 64 Bit

Fields of view

Small Working distance	Triangulation angle: 26 degrees Working distance: 370 mm			
Field of view [mm] ⁽²⁾	50	125	200	400
Field of view size [mm] ⁽³⁾	40 x 30	100 x 80	150 x 125	300 x 275
Measuring depth [mm] ⁽⁴⁾	24	64	100	200
X, Y resolution [µm] ⁽⁵⁾	16	40	63	125
Resolution limit (Z) [µm] ⁽⁶⁾	3	7	11	23
Feature accuracy [µm] ⁽⁷⁾	4	7	12	20
Large Working distance	Triangulation angle: 18 degrees Working distance: 540 mm			
Field of view [mm] ⁽²⁾	750		1000	
Field of view size [mm] ⁽³⁾			700 x 625	
Measuring depth [mm] ⁽⁴⁾	375		480	
X, Y resolution [µm] ⁽⁵⁾			291	
Resolution limit (Z) [µm] ⁽⁶⁾	60		75	
Feature accuracy [µm] ⁽⁷⁾			97	

PrimeScan R8|C8 — 8.0 Megapixel

System

Camera sensor	s/w or color CCD 1"
Camera resolution	2 x 7.990.272 Pixel (3.264 x 2.448)
Projection unit	Miniaturized Projection Technique
Projection resolution	28.723.200 Pixel (6.144 x 4.675)
Light source	100 W High Power-LED (blue or white)
Minimum measuring time	1 s
Sensor weight	3,8 kg ⁽¹⁾
Power supply	AC 110/230 Volt, 50-60 Hz, external, 150 W
Control unit	Integrated, USB 3.0
Operating system	Windows 7 or Windows 10, 64 Bit

Fields of view

Small Working distance	Triangulation angle: 26 degrees	Working distance: 370 mm
Field of view [mm] ⁽²⁾	100	500
Field of view size [mm] ⁽³⁾	90 x 60	375 x 300
Measuring depth [mm] ⁽⁴⁾	50	240
X, Y resolution [µm] ⁽⁵⁾	27	114
Resolution limit (Z) [µm] ⁽⁶⁾	6	26
Feature accuracy [µm] ⁽⁷⁾	6	25
Large Working distance	Triangulation angle: 18 degrees	Working distance: 540 mm
Field of view [mm] ⁽²⁾	800	
Field of view size [mm] ⁽³⁾	630 x 500	
Measuring depth [mm] ⁽⁴⁾	400	
X, Y resolution [µm] ⁽⁵⁾	191	
Resolution limit (Z) [µm] ⁽⁶⁾	60	
Feature accuracy [µm] ⁽⁷⁾	62	

Get in touch

3DWORKS DESIGN SOLUTIONS

Head Office : SCF-26, Phase-2
 Urban Estate, Focal Point,
 Ludhiana Punjab 141 010

Sales : 84 2700 7400, sales@3dwds.in
 Support : 84 2700 7401, support@3dwds.in
 Web. : www.3dwds.in



SmartScan-HE R5 | C5 — 5.0 Megapixel

System

Camera sensor	b/w or color, Gigabit Ethernet
Camera resolution	2 x 5,041,312 Pixel (2,452 x 2,056)
Projection unit	Miniaturized Projection Technique
Projection resolution	28,723,200 Pixel (6,144 x 4,675)
Light source	100 W High Power-LED (blue or white)
Minimum measuring time	1 - 2 s
Sensor weight	4 kg
Power supply	AC 110/230 Volt, 50-60 Hz, External, 150 W
Control unit	External, USB 2.0
Operating system	Windows 7 or Windows 10, 64 Bit
Probing	Compatible with MI.Probe mini

Fields of view

	Triangulation angle: 30 Grad Base length: 470 mm Working distance: 1000 mm		Triangulation angle: 20 Grad Base length: 470 mm Working distance: 1500 mm	
Field of view [mm] ⁽¹⁾	M - 125	M - 200	M - 500	M - 850
Field of view size [mm] ⁽²⁾	105 x 85	160 x 130	380 x 310	650 x 565
Measuring depth [mm] ⁽³⁾	66	100	244	420
X, Y resolution [μ m] ⁽⁴⁾	43	64	153	266
Feature accuracy [μ m] ⁽⁵⁾	7	11	22	61
	Triangulation angle: 30 Grad Base length: 240 mm Working distance: 370 mm		Triangulation angle: 20 Grad Base length: 470 mm Working distance: 1500 mm	
Field of view [mm] ⁽¹⁾	S - 060	S - 125	L - 750	L - 1550
Field of view size [mm] ⁽²⁾	50 x 40	100 x 80	560 x 470	1200 x 750
Measuring depth [mm] ⁽³⁾	30	60	360	750
X, Y resolution [μ m] ⁽⁴⁾	20	40	230	485
Feature accuracy [μ m] ⁽⁵⁾	4	7	55	220

smartSCAN-HE R8 | C8 — 8.0 Megapixel

System

Camera sensor	s/w or color CCD, Gigabit Ethernet
Camera resolution	2 x 8,147,712 Pixel (3,296 x 2,472)
Projection unit	Miniaturized Projection Technique
Projection resolution	28,723,200 Pixel (6,144 x 4,675)
Light source	50 W High Power LED (blue, green, red, white) for R8 50 W High Power LED (white) for C8
Luminous intensity	550 ANSI Lumen ⁽¹⁾
Minimum measuring time	1 s
Sensor weight	4 kg
Power supply	AC 110/230 Volt, 50-60 Hz
Control unit	150 W, USB 2.0
Operating system	Windows 7, 64 Bit

Fields of view

	Triangulation angle: 27 degrees		Base length: 470 mm		Working distance: 1.000 mm	
Field of view [mm] ⁽²⁾	M - 300	M - 450	M - 650	M - 950	M - 1,300	
Field of view size [mm] ⁽³⁾	235 x 175	355 x 265	525 x 400	760 x 585	1,065 x 870	
Measuring depth [mm] ⁽⁴⁾	150	220	330	480	660	
X, Y resolution [μ m] ⁽⁵⁾	71	108	159	230	324	
Resolution limit (Z) [μ m] ⁽⁶⁾	12	18	26	38	52	
Feature accuracy [μ m] ⁽⁷⁾	20	28	42	60	85	
	Triangulation angle: 32.5 degrees		Base length: 240 mm		Working distance: 370 mm	
Field of view [mm] ⁽²⁾	S - 075	S - 150	S - 250		S - 350	
Field of view size [mm] ⁽³⁾	65 x 50	110 x 80	210 x 160		260 x 205	
Measuring depth [mm] ⁽⁴⁾	40	70	130		160	
X, Y resolution [μ m] ⁽⁵⁾	20	33	64		79	
Resolution limit (Z) [μ m] ⁽⁶⁾	3	6	10		14	
Feature accuracy [μ m] ⁽⁷⁾	8	10	14		18	

Get in touch

3DWORKS DESIGN SOLUTIONS

Head Office : SCF-26, Phase-2
 Urban Estate, Focal Point,
 Ludhiana Punjab 141 010

Sales : 84 2700 7400, sales@3dwds.in
 Support : 84 2700 7401, support@3dwds.in
 Web. : www.3dwds.in