

Technical data TriAngle TA

	Effective focal length (mm)	Clear aperture (mm)	Accuracy (arc sec)	Field of view (arc sec)		Measurement Frequency (Hz)	
				USB 3.0	Firewire	USB 3.0	Firewire
TA 100-38	100	26	2.5	6,170 x 4,940	6,600 x 4,900	30 Hz (up to 160 Hz, depending on the setting)	30 Hz (up to 60 Hz, depending on the setting)
TA 150-38	150	30	1.7	4,120 x 3,300	4,400 x 3,250		
TA 200-38	200	30	1.3	3,090 x 2,470	3,300 x 2,450		
TA 300-38	300	30	0.75	2,060 x 1,650	2,200 x 1,600		
TA 300-57	300	50	0.75	2,060 x 1,650	2,200 x 1,600		
TA 500-57	500	50	0.4	1,240 x 980	1,300 x 950		
TA 1000-115	1,000	100	0.2	610 x 490	650 x 480		
TA 1000-140	1,000	125	0.2	610 x 490	650 x 480		

Illumination: high power LED at 525 nm

Technical data TriAngle Focus

	Effective focal length (mm)	Clear aperture (mm)	Accuracy (arc sec)	Field of view (arc sec)		Measurement Frequency (Hz)	
				USB 3.0	Firewire	USB 3.0	Firewire
TA F 100-38 ±10	100	26	2.5	6,170 x 4,940	6,600 x 4,900	30 Hz (up to 160 Hz, depending on the setting)	30 Hz (up to 60 Hz, depending on the setting)
TA F 150-38 ±10	150	30	1.7	4,120 x 3,300	4,400 x 3,250		
TA F 200-38 ±10	200	30	1.3	3,090 x 2,470	3,300 x 2,450		
TA F 300-38 ±10	300	30	0.75	2,060 x 1,650	2,200 x 1,600		
TA F 300-57 ±10	300	50	0.75	2,060 x 1,650	2,200 x 1,600		
TA F 500-57 ±10	500	50	0.4	1,240 x 980	1,300 x 950		
TA F 1000-115 ±10	1,000	100	0.2	610 x 490	650 x 480		

Illumination: high power LED at 525 nm

Technical data TriAngle UltraSpec

	Effective focal length (mm)	Clear aperture (mm)	Accuracy (arc sec)	Field of view (arc sec)		Measurement Frequency (Hz)	
				USB 3.0	Firewire	USB 3.0	Firewire
TA US 300-57	300	45	±0.05 over total range of 10 arc sec	3,000 x 1,920	3,010 x 2,230	30 Hz (up to 130 Hz)	> 15 Hz
TA US 500-57	500	45	±0.25 over entire range	1,800 x 1,150	1,800 x 1,340		

Illumination: high power LED at 525 nm

Technical data TriAngle Large Field

	Effective focal length (mm)	Clear aperture (mm)	Accuracy (arc sec)	Field of view (arc sec)	Measurement Frequency (Hz)		
				USB 3.0	Firewire	USB 3.0	Firewire
TA LF 100-38	100	26	3	3° x 3°		> 10 Hz	> 10 Hz

Illumination: high power LED at 525 nm

Technical data TriAngle Laser

	Effective focal length (mm)	Clear aperture (mm)	Accuracy (arc sec)	Field of view (arc sec)		Measurement Frequency (Hz)	
				USB 3.0	Firewire	USB 3.0	Firewire
TA L 100-38	100	26	2.5	6,170 x 4,940	6,600 x 4,900	30 Hz (up to 160 Hz, depending on the setting)	30 Hz (up to 60 Hz, depending on the setting)
TA L 150-38	150	30	1.7	4,120 x 3,300	4,400 x 3,250		
TA L 200-38	200	30	1.2	3,090 x 2,470	3,300 x 2,450		
TA L 300-38	300	30	0.8	2,060 x 1,650	2,200 x 1,600		
TA L 300-57	300	50	0.8	2,060 x 1,650	2,200 x 1,600		
TA L 500-57	500	50	0.5	1,240 x 980	1,300 x 950		
TA L 1000-115	1.000	100	0.25	610 x 490	650 x 480		
TA L 1000-140	1.000	125	0.25	610 x 490	650 x 480		

Illumination: Laser diode at 635 nm

Technical data TriAngle High Speed

	Effective focal length (mm)	Clear aperture (mm)	Accuracy (arc sec)	Field of view (arc sec)	Measurement Frequency (Hz)
USB 3.0					
TA HS 100-38	100	26	±0.8% (within 80% field of view)	4,000 x 4,000	10 kHz
TA HS 150-38	150	30		2,650 x 2,650	
TA HS 200-38	200	30		2,000 x 2,000	
TA HS 300-38	300	30		1,300 x 1,300	
TA HS 300-57	300	50		1,300 x 1,300	
TA HS 500-57	500	50		800 x 800	
TA HS 1000-115	1.000	100		400 x 400	
TA HS 1000-140	1.000	125		400 x 400	

Illumination: Laser diode at 635 nm

Technical data TriAngle NIR

	Effective focal length (mm)	Clear aperture (mm)	Accuracy (arc sec)	Field of view (arc sec)		Measurement Frequency (Hz)	
				USB 3.0	Firewire	USB 3.0	Firewire
TA NIR 100-38	100	26	2.5	6,170 x 4,940	6,600 x 4,900	30 Hz (up to 160 Hz, depending on the setting)	30 Hz (up to 60 Hz, depending on the setting)
TA NIR 150-38	150	30	1.7	4,120 x 3,300	4,400 x 3,250		
TA NIR 200-38	200	30	1.3	3,090 x 2,470	3,300 x 2,450		
TA NIR 300-38	300	30	0.75	2,060 x 1,650	2,200 x 1,600		
TA NIR 300-57	300	50	0.75	2,060 x 1,650	2,200 x 1,600		
TA NIR 500-57	500	50	0.4	1,240 x 980	1,300 x 950		
TA NIR 1000-115	1.000	100	0.2	610 x 490	650 x 480		
TA NIR 1000-140	1.000	125	0.2	610 x 490	650 x 480		

Illumination: high power LED at 780-1,064 nm