

Slim^x Cameras

Product Details

Featuring a discreet profile and black matte finish, the Slim^x line of camera offers the perfect solution for active marker tracking in a wide range of applications.



Slim^x Cameras

Specifications

	Slim ^x 13	Slim ^x 41	Slim ^x 120	Slim ^x 260
Maximum Frame Rate (Full Resolution)	240 Hz	180 Hz	300 Hz	150 Hz
Maximum Possible Frame Rate	1000 Hz			
Selectable Frame Rates	Yes			
Latency @ Max Frame Rate and Full	4.2 ms	5.55 ms	3.33 ms	6.66 ms
3D Accuracy	+/- 0.3 mm	+/- 0.1 mm		TBD
Marker Type	Active			
Maximum Detection Distance	15m	45m	90m	TBD
Sensor				
Resolution	1280 x 1024	2048 x 2048	4096 x 3072	5120 x 5120
Pixel Count	1.3MP	4.1MP	12MP	26MP
Shutter Type	Global			
Adjustable Exposure	Yes			
Shutter Speed (Default)	0.25 ms			
Shutter Speed (Max.)	0.01 ms			
Shutter Speed (Min.)	3.9 ms at 240 fps	5.4 ms at 180 fps	3.13 ms at 300 fps	6.2 ms at 150 fps
Physical Attributes				
Width	68.9 mm (2.7")	89 mm (3.5")	114 mm (4.49")	
Height	68.9 mm (2.7")	89 mm (3.5")	114 mm (4.49")	
Depth	23 mm (0.9")	122 mm (4.79")	154.4 mm (6.07")	123 mm (4.84")
Weight (includes lens)	0.21 kg (0.8 lbs)	0.66 kg (1.4 lbs)	1.26 kg (2.8 lbs)	1.16 kg (2.46 lbs)
Base Materials	Aluminum & Polycarbonate			
Color	Black			
Aim/Focus Assist Spotlights	No	Yes		
Ringlight				
Contains	No			
Modular	N/A			
Number of LEDs	N/A			
LED Wavelength	N/A			
LED Output	N/A			
Optical Attributes				
Lens FOV (HxV)	56° x 46° 43° x 35° (Optional) 69° x 57° (Optional) 82° x 70° (Optional)	51° X 51° 65° X 65° (Optional)	51° x 39° 65° x 51° (Optional)	57° x 57° 74° x 74° (Optional)
Lens Focal Distance	5.5 mm 8.0 mm (Optional) 4.5 mm (Optional) 3.5 mm (Optional)	12 mm 8.9 mm (Optional)	24 mm 18 mm (Optional)	11.8 mm 8.9 mm (Optional)
Aperature Size	f / 1.8 f / 1.8 (Optional) f / 2.2 (Optional) f / 2.4 (Optional)	f / 2.4	f / 1.6	f / 1.8
Lens Adjustable Focus	Yes			
Lens Adjustable F-Stop	No	Yes		

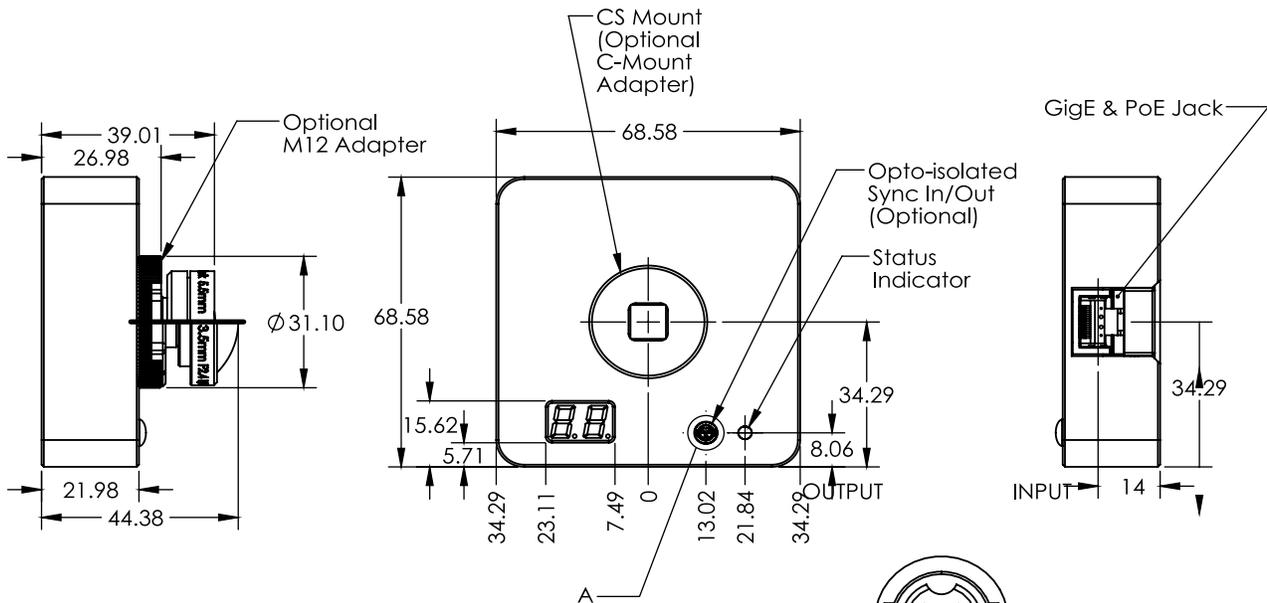
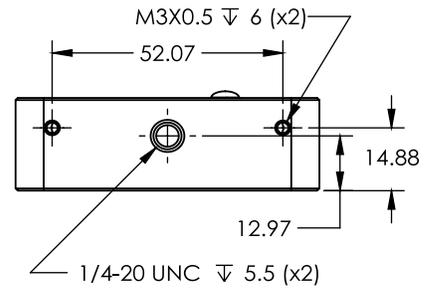
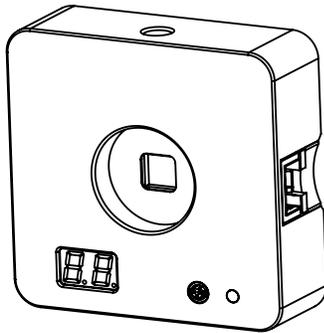
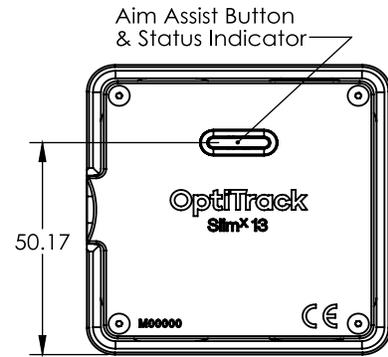
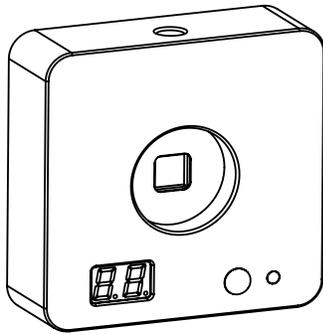
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Optical Attributes Continued				
Filter Wavelength	850 nm bandpass 800 nm longpass (Optional)		850 nm bandpass 940 nm bandpass (Optional)	
Filter Switcher	Optional			
Filter Switcher Wavelengths	Visible (410-630 nm) / Selection of second filter: 780 nm bandpass 800 nm longpass 850 nm bandpass 940 nm bandpass		Visible (430-650 nm bandpass) / Selection of second filter: 850 nm bandpass 940 nm bandpass	
Electrical Attributes				
Power Input	PoE			
IEEE Standard	IEEE 802.3af			
Power Draw (@PSE)	15 W			
Connector	RJ45			
Cabling	Cat 6 or Cat 6a (Highly recommended)			
Data Architecture				
Communication	GigE Ethernet			
Ethernet Protocol	OptiTrack Proprietary			
Camera Sync	Yes			
Image Processing	Object Segment Raw Grayscale MJPEG Grayscale Duplex Mode (Patent Pending)			
Grayscale Depth	8-Bit		10-Bit	
Status Indicators				
Numeric LED	2 Digit		3 Digit	
Full-color LED Health and Activity	LED Only			
Mounting				
Type and QTY	1/4"-20 (2X)			
Precision Alignment	No			
Environment				
IP Rating	IP 4X			
Operational Temperature	0 - 50 °C			
Storage Temperature	-40 - 70 °C			
RoHS Compliant	Yes			
CE	Yes			

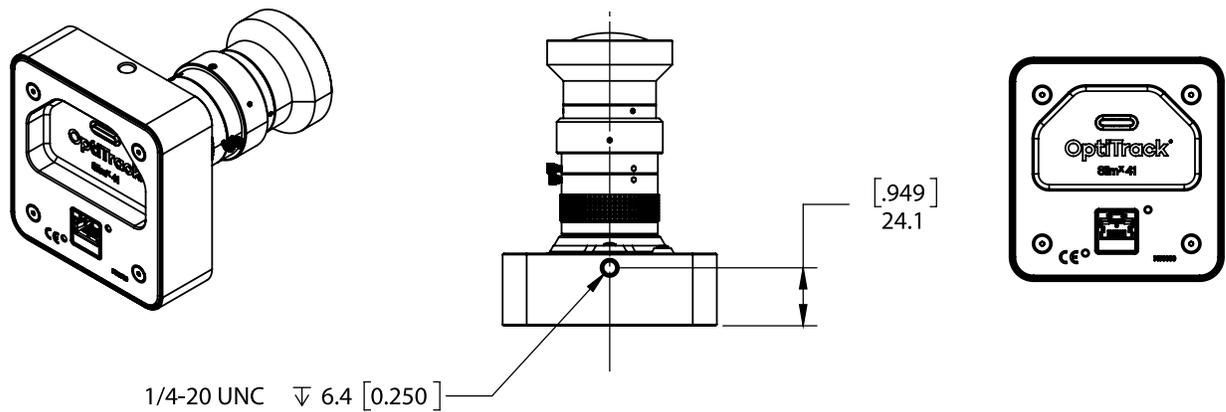
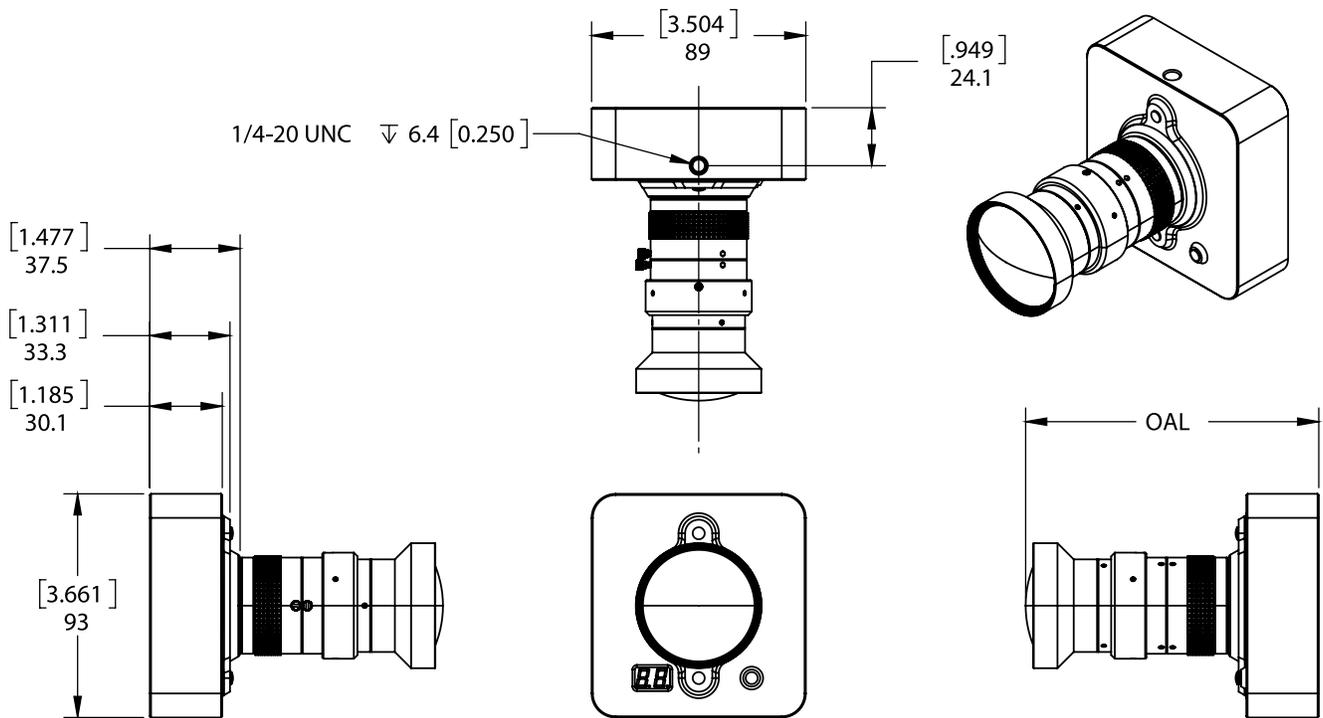
Slim^x 13

Technical Drawings



Slim^X 41

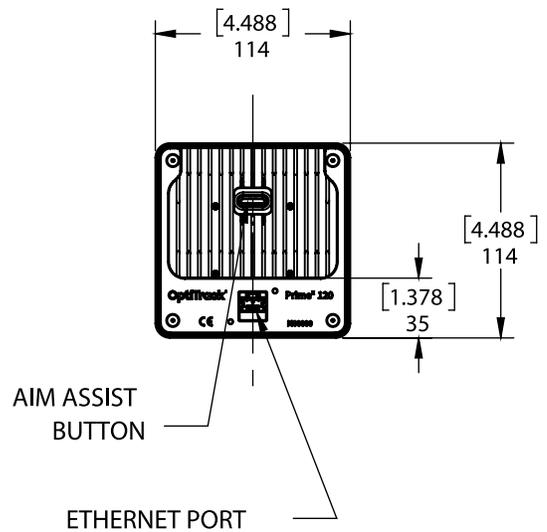
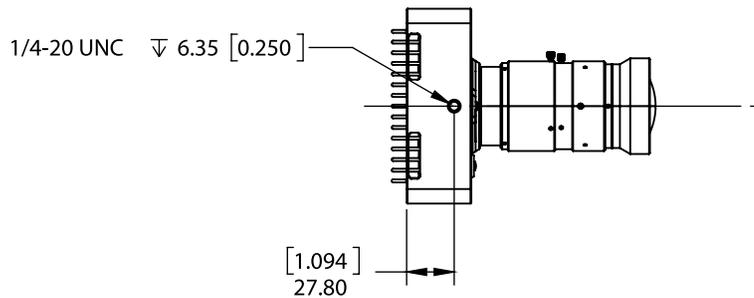
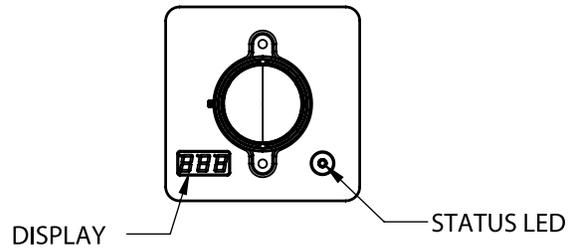
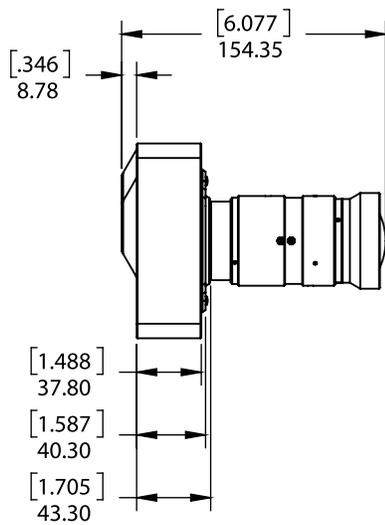
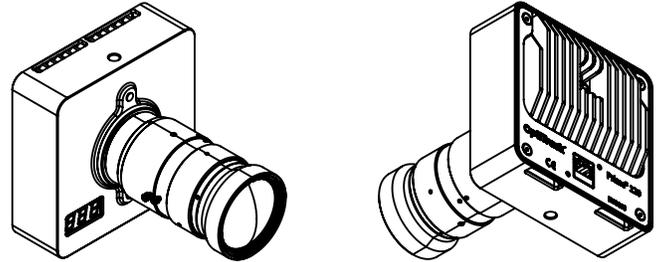
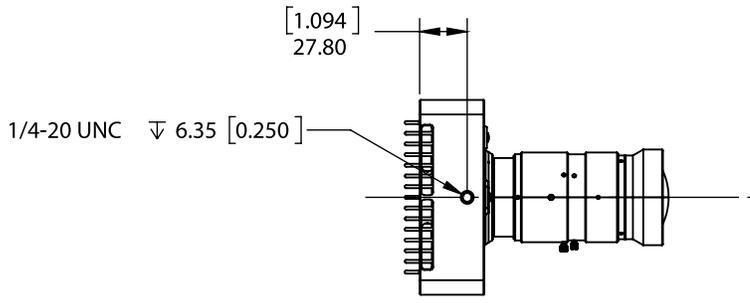
Technical Drawings



Lens Options			
Focal Length	Field of View	"OAL"	
		mm	in
8.9mm	67.0° x 67.0°	121.0	4.76
11.8mm	51.1° x 51.1°	121.8	4.79

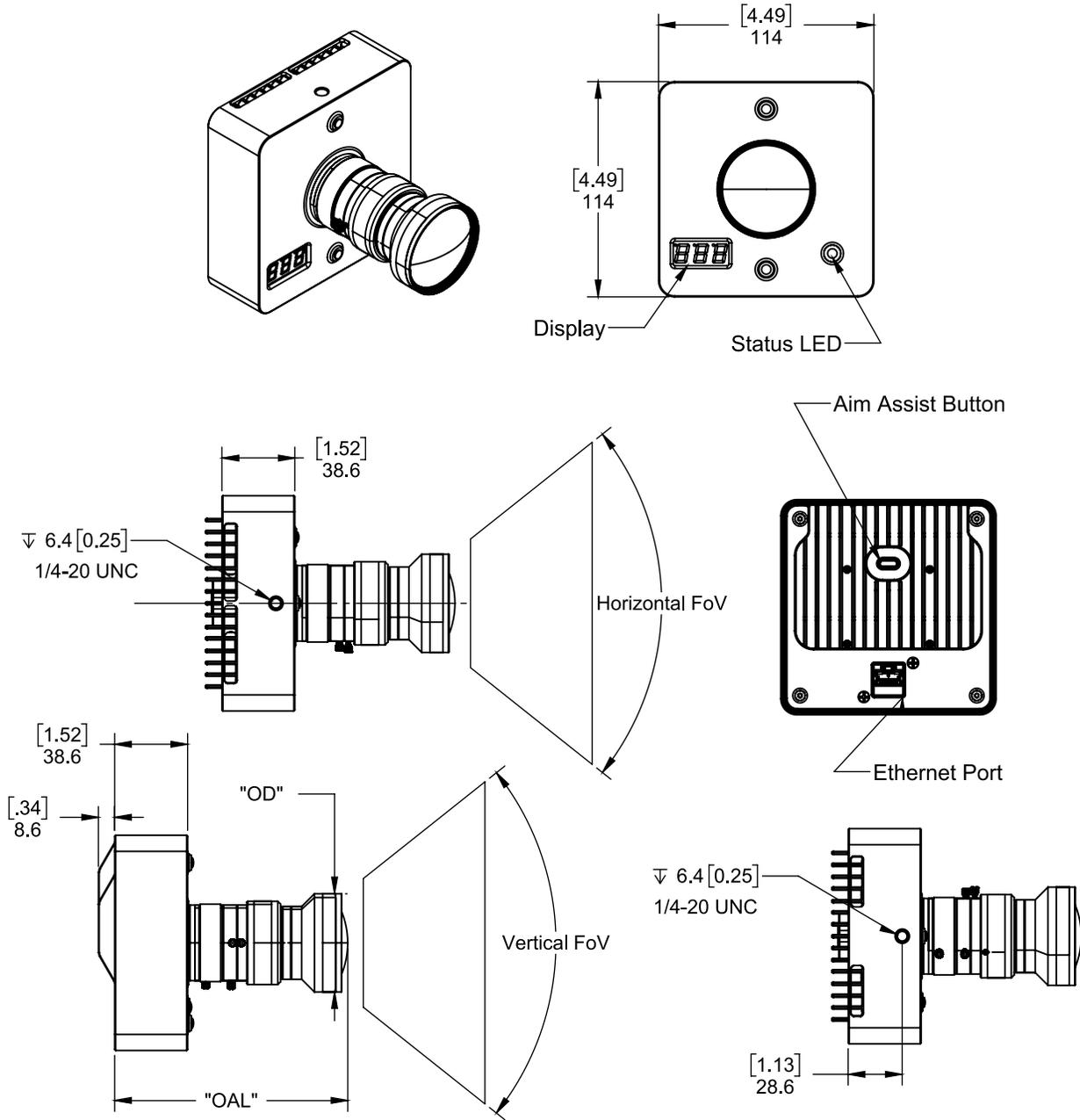
Slim^x 120

Technical Drawings



Slim^x 260

Technical Drawings



Lens Options					
Focal Length	Field of View	"OAL"		"OD"	
		mm	in	mm	in
8.9mm	74° x 74°	122.6	4.83	52	2.05
11.8mm	57° x 57°	123.4	4.86	52	2.05

All specifications are subject to change without notification.

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