

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	
Performance					
Maximum Frame Rate (Full Resolution)	240 Hz		180 Hz		300 Hz
Maximum Possible Frame Rate	1000 Hz				
Selectable Frame Rates	Yes				
Latency @ Max Frame Rate and Full Resolution	4.2 ms		5.55 ms		3.33 ms
3D Accuracy	+/- 0.3 mm		+/- 0.1 mm		
Marker Type	Active				
Maximum Detection Distance	15m		45m		90m
Sensor					
Resolution	1280 x 1024		2048 x 2048		4096 x 3072
Pixel Count	1.3MP		4.1MP		12MP
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
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")
Weight (includes lens)	0.21 kg (0.8 lbs)		0.66 kg (1.4 lbs)		1.26 kg (2.8 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° × 46° 43° × 35° (Optional) 69° × 57° (Optional) 82° × 70° (Optional)		51° X 51° 65° X 65° (Optional)		51° × 39° 65° × 51° (Optional)
Lens Focal Distance	5.5 mm		3.5 mm		6 mm
Aperature Size	f / 1.8		f / 2.4		f / 1.6
Lens Adjustable Focus	Yes				
Lens Adjustable F-Stop	No				Yes

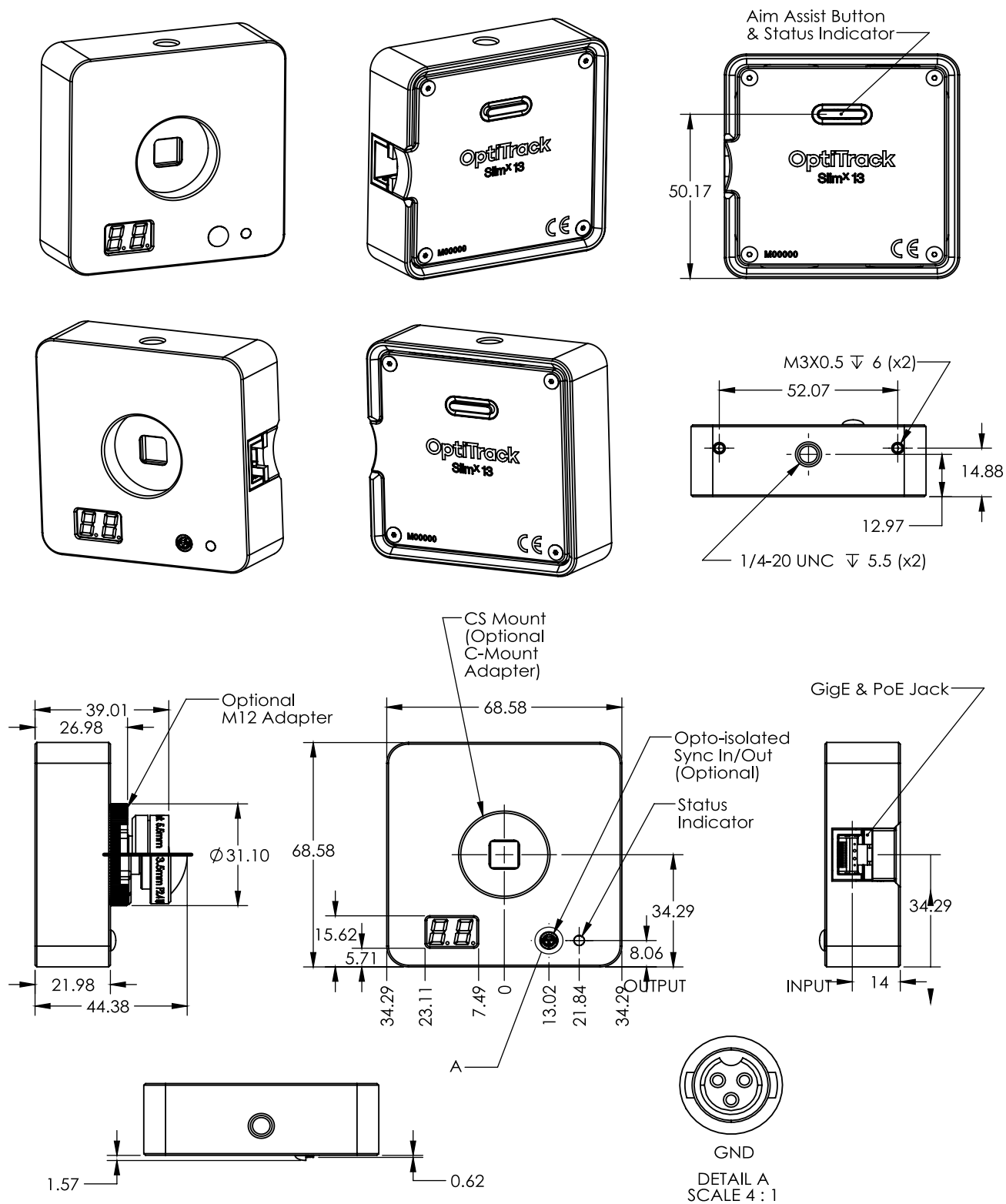
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Optical Attributes Continued					
Filter Wavelength	850 nm bandpass 800 nm longpass (optional) 700 nm bandpass (optional)		850 nm bandpass		
Filter Switcher	Optional		No		Optional
Filter Switcher Wavelengths	Visable (410-630 nm) 800 nm longpass		N/A		Visable (430-650 nm bandpass) Selection of second filter: 780 nm bandpass 800 nm longpass 850 nm bandpass 940 nm bandpass
Electrical Attributes					
Power Input	PoE			PoE+	
IEEE Standard	IEEE 802.3af			IEEE 802.3at	
Power Draw (@PSE)	15 W			30 W	
Connector	RJ45				
Cabling	Cat 6 or Cat 6a (Highly recommended)				
Data Architechture					
Communication	GigE Ethernet				
Ethernet Protocol	OptiTrack Proprietary				
Camera Sync	Yes				
Image Processing	Object Segment Raw Grayscale MJPEG Grayscale		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				

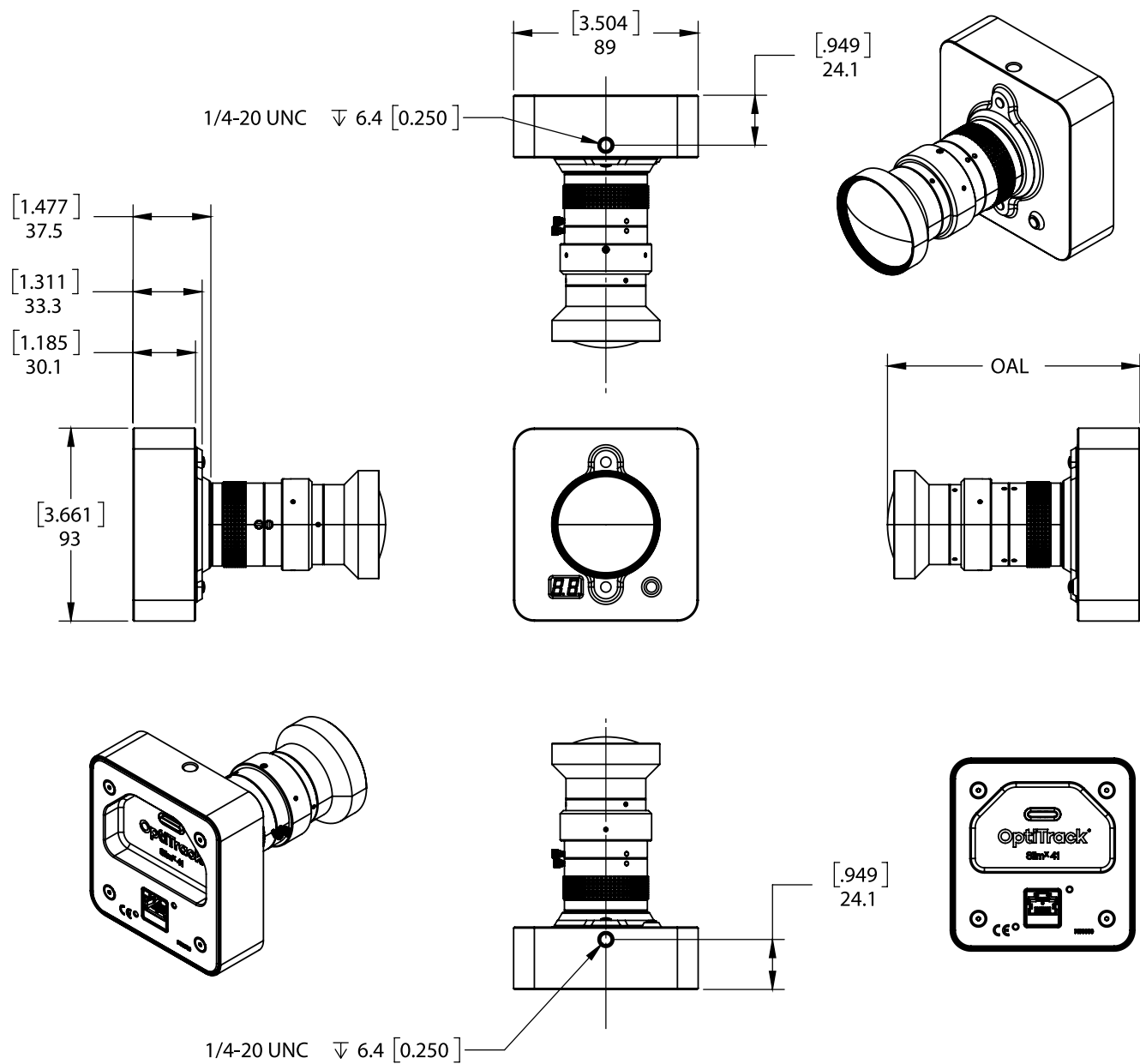
Slim^x 13

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

