Duo 3 / Trio 3
Product Details

The Duo 3 and Trio 3 tracking systems offers the power of multiple-camera, 6DoF object tracking all in a single, plug-and-play hardware package.



Duo 3 / Trio 3
Specifications

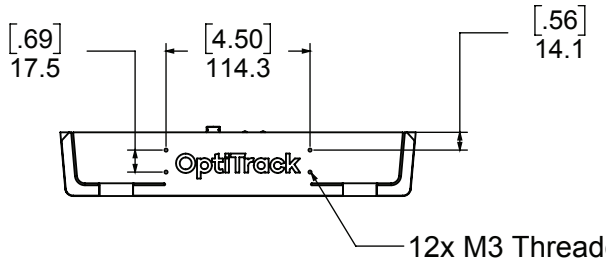
	Duo 3	Trio 3
Performance		
Maximum Frame Rate (Full Resolution)	120 Hz	
Selectable Frame Rates	Yes (30, 60, 120)	
Latency @ Max Frame Rate and Full Resolution	8.33 ms	
3D Accuracy	Sub-Millimeter	
Marker Type	Passive	
Maximum Detection Distance	4.6 m (15 ft.)	5.2 m (17 ft.)
Sensor		
Resolution	640 x 480 (2x)	640 x 480 (3x)
Pixel Count	0.3MP	
Shutter Type	Global	
Adjustable Exposure	Yes	
Shutter Speed (Default)	1 ms	
Shutter Speed (Min.)	20 ms	
Physical Attributes		
Width	298.4 mm (11")	584.2 mm (23")
Height	40.6 mm (1.6")	
Depth	50.8 mm (2.0")	
Weight (includes lens)	0.6 kg (1.3 lbs)	1.3 kg (2.8 lbs)
Base Materials	Aluminum	
Color	Silver and Black	
LED Rings		
Contains	Yes	
Number of LEDs	26 (2X)	26 (3X)
LED Wavelength	850 nm	
LED Output	Strobe or Continuous	
Adjustable Brightness	Yes	
Optical Attributes		
Lens FOV (HxV)	47° x 43°	
Lens Focal Length	3.5 mm	
Lens Adjustable Focus	No (Factory Set)	
Lens Adjustable F-Stop	2	
Filter Wavelength	850 nm bandpass (left and right cameras) 800 nm longpass (left and right cameras) (optional)	
Filter Switcher	No	Yes
Filter Switcher Wavelength	N/A	Visible and 850 nm bandpass Visible and 800 nm longpass (middle camera) (optional) No Filter Switcher w/ 850 nm bandpass (middle camera) (optional)
Electrical Attributes		
Power Inpt	12V	
Power Draw (max)	3A	
Connector	USB 2.0	
Cabling	USB	

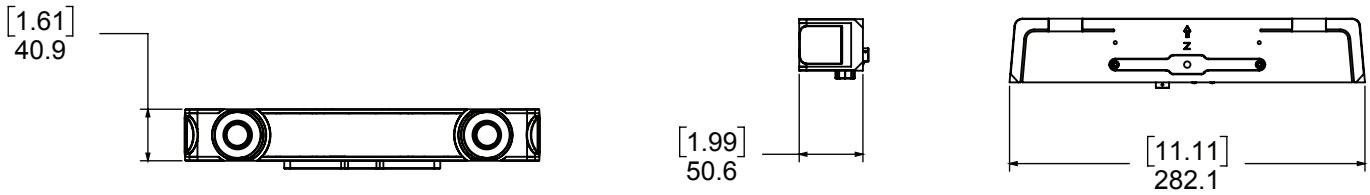
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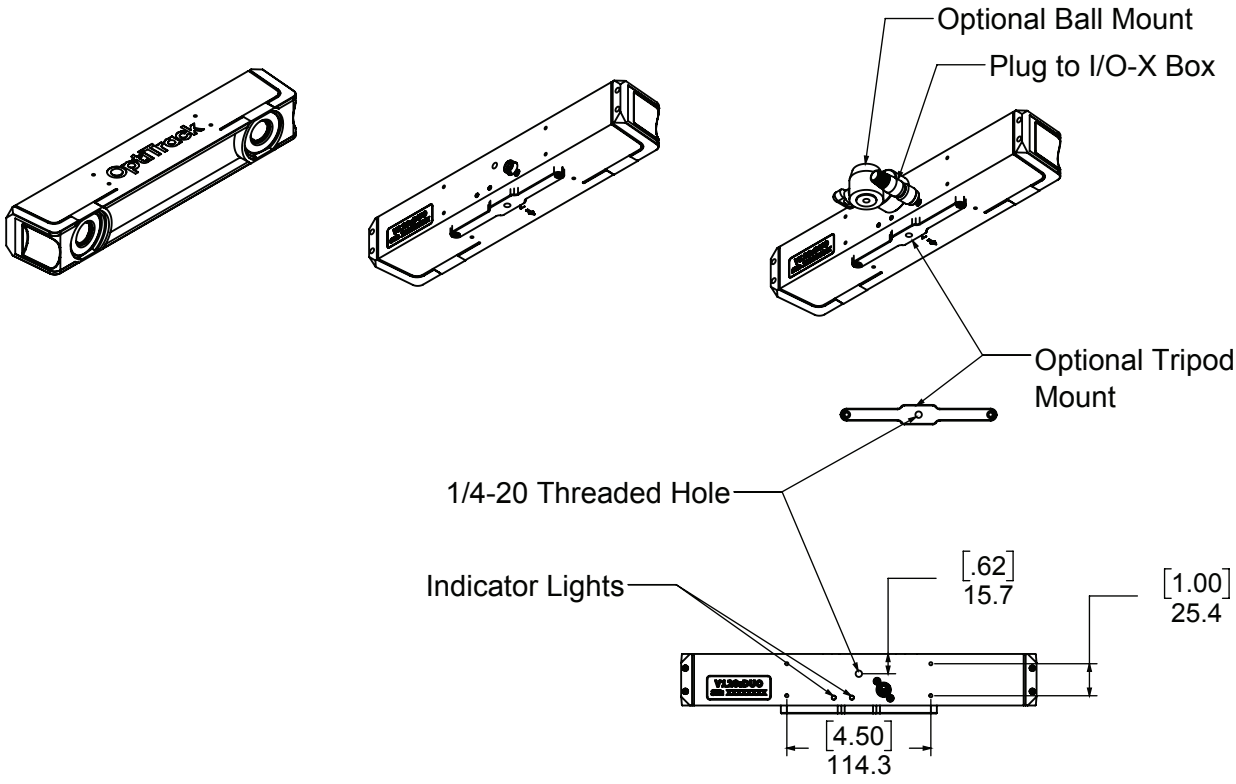
	Duo 3	Trio 3
Data Architechture		
Communication	USB 2.0	
Ethernet Protocol	OptiTrack Proprietary	
Camera Sync	Internal or External (via io-X)	
Image Processing	Segment Selective Grayscale MJPEG Grayscale Raw Grayscale	
Grayscale Depth	8-bit	
Status Indicators		
Display (OLED)	128 x 22	
Mounting		
Type and QTY	1/4”-20 (1X) M3 (12X)	
Environment		
IP Rating	IP 4X	
Operational Temperature	-40 - 70˚C	
Storage Temperature	0 - 50˚C	
RoHS Compliant	Yes	
In the Box		
Camera	1	
Quick Start Guide	1	
12V Universal Power Supply	1	
USB Uplink Cable (5 m)	1	
Hard Reflective Markers (7/16 in.)	1 set of 5	
Hard Marker Bases (1 in.)	1 set of 5	
Hand Rigid Body	1	

Duo 3

Technical Drawings

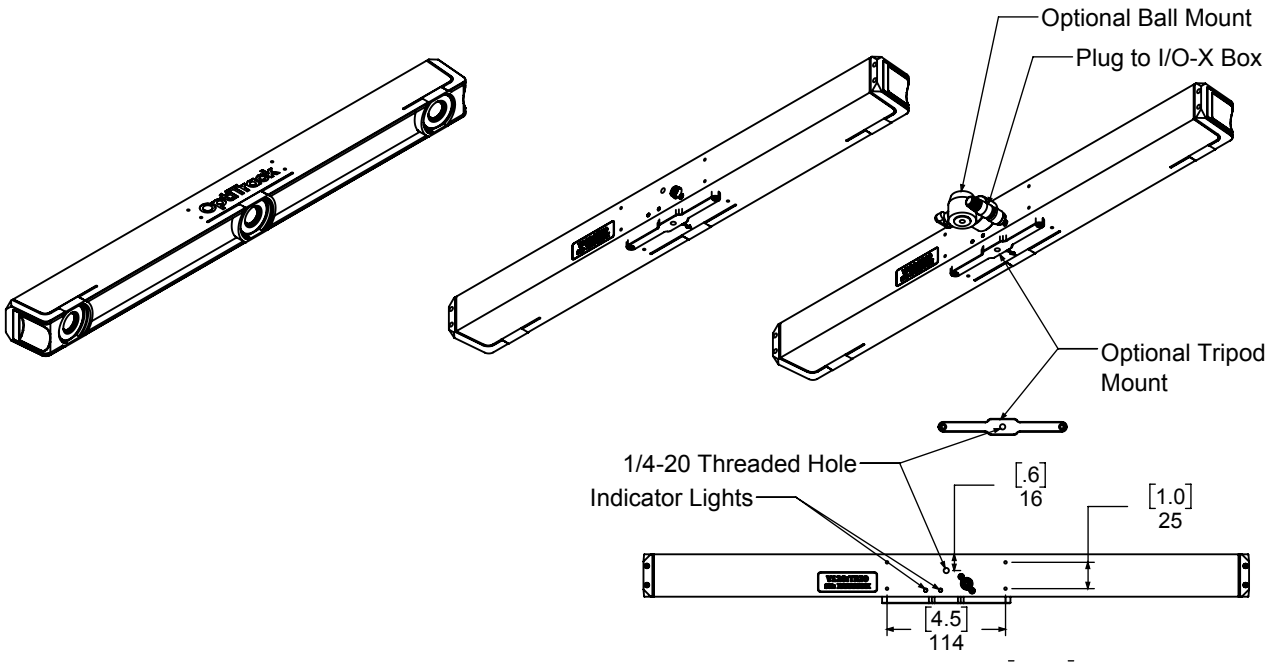


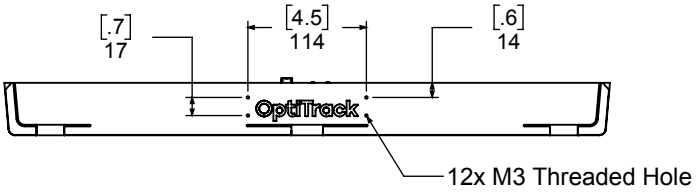


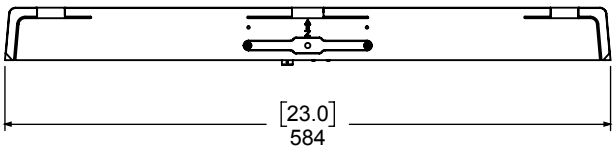


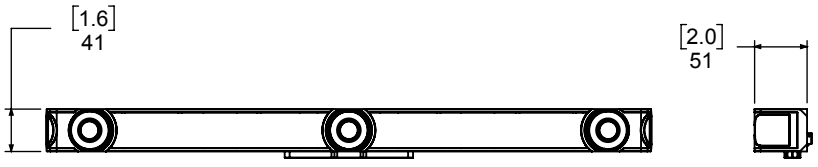
Trio 3

Technical Drawings









All specifications are subject to change without notification.

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