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Prime Color

Motion capture has never looked better. The Prime Color is fully image and color corrected to deliver a pristine reference image. Fast enough to capture any motion, in any environment.



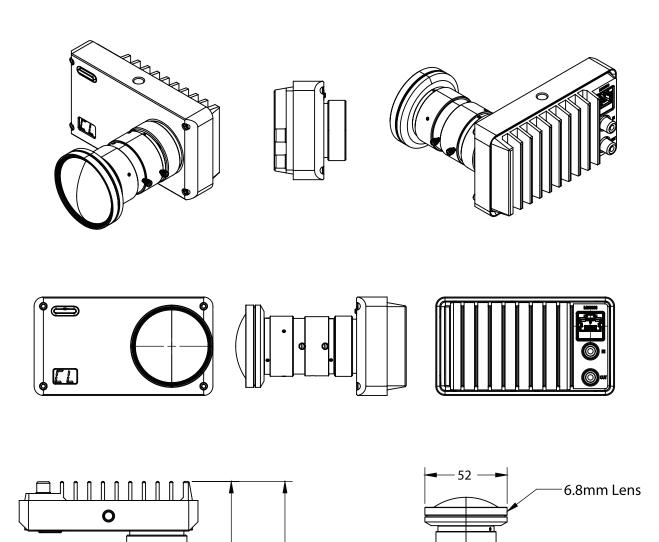
Specifications

	Color	Color FS
Performance		
Maximum Frame Rate (Full Resolution)	250 Hz	z (1080p)
Maximum Possible Frame Rate	1920 X 1080 (1080p), 1280 X 720 (720p), 960 X 540 (540p), 480×272 (272p)	
Selectable Frame Rates	250 Hz (1080p), 380 Hz (720p), 500 Hz (540p), 1000 Hz (272p)	
Latency @ Max Frame Rate and Full Resolution	N/A	4 ms
3D Accuracy	N/A	+/- 0.3 mm
Marker Type	N/A	Active
Maximum Detection Distance	N/A	21m
Sensor		
Resolution	2.1 MP	
Shutter Type	Global	
Adjustable Exposure	Yes	
Shutter Speed (Default)	0.25 ms	
Shutter Speed (Min.)	0.25 ms	
Physical Attributes		
Width	113mm (4.45 in.)	
Height	62.2 mm (2.45 in.)	
Depth	"45.4 mm (1.79 in.) C-mount 40.4 mm (1.79 in.) CS-mount"	45.3mm (1.78in.) C-mount
Weight (includes lens)	"0.35 kg (0.78 lbs.) C-mount 0.33 kg (0.73 lbs.) CS-mount"	0.35 kg (0.76lbs.) C-mount
Base Materials	Aluminum	
Color	Black	
Optical Attributes		
Lens FOV (HxV)	At 250 fps (1080p): 12mm (C-mount) (47° X 27°) 6.8mm (C-mount) (75° X 47°) At 380 fps (720p): 12mm (C-mount) (32° X 18°) 6.8mm (C-mount) (32° X 32°) At 500 fps (540p): 12mm (C-mount) (24° X 14°) 6.8mm (C-mount) (42° X 24°) At 1000 fps (272p): 12mm (C-mount) (12° X 7°) 6.8mm (C-mount) (12° X 7°) 6.8mm (C-mount) (12° X 7°)	
Lens Focal Distance	12mm (C-mount) 6.8mm (C-mount)	
Lens Adjustable Focus	Yes	
Lens Adjustable F-Stop	Lens dependent	
Filter Wavelength	650 IR cut	See Below
Filter Switcher	No	Yes (C-mount only)
Filter Switcher Wavelengths	N/A	850nm IR bandpass / 650nm IR cut filter (Visible)

Specifications

	Color	Color FS	
Electrical Attributes			
Power Input	PoE		
IEEE Standard	IEEE 802.3af		
Power Draw (@PSE)	15W		
Connector	Ethernet (RJ45)		
Data Architechture			
Communication	GigE Ethernet		
Ethernet Protocol	OptiTrack Proprietary		
Camera Sync	Yes		
Output Sync	Isolated Sync Output (for driving an eStrobe)		
Image Processing	"On-board H.264 video compression (CAVLC 4:4:4 Intra Profile) Options for -Constant Bit Rate (CBR) compression - Variable Bit Rate (VBR) compression"		
Grayscale Depth	N/A	10-bit	
Status Indicators			
Numeric LED	2-Digit		
Full-color LED Health and Activity	Yes		
Maurice			
Mounting Type & Qty	4/4" 00 (0V)		
Type & Gty	1/4"-20 (2X)		
Environment			
IP Rating	IP 4X		
Operational Temperature	0 - 50°C		
Storage Temperature	-40 - 70°C		
RoHS Compliant	Yes		
CE	Yes		

Technical Drawings

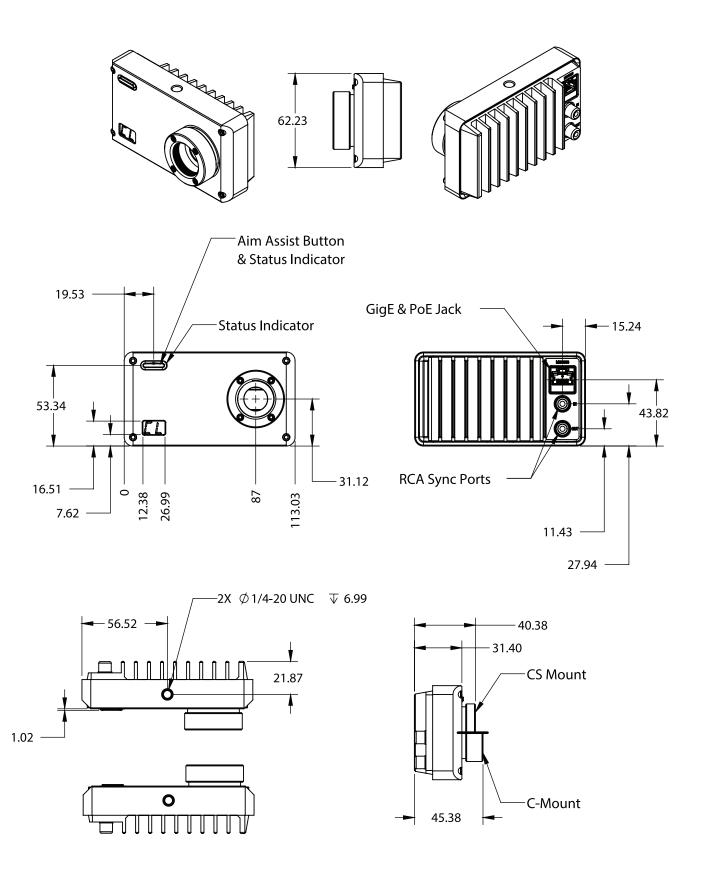


101.50

107.83

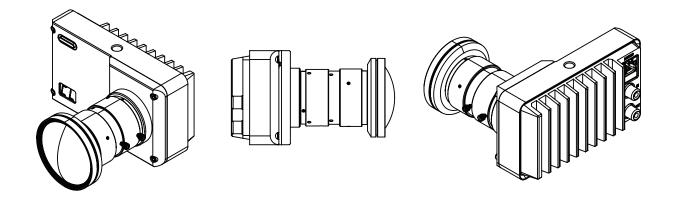
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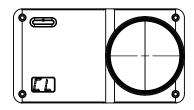
Technical Drawings

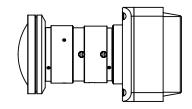


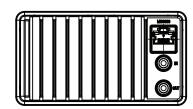
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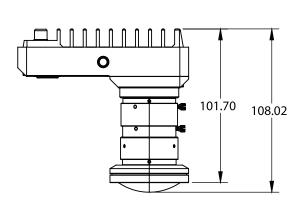
Technical Drawings

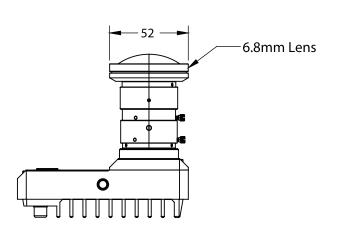












Prime Color FS

Technical Drawings

