

Camera Calibration Report



Generated on: Thursday, November 13, 2025 10:12 AM

Using: CameraTrax 24 ColorCard

Calibration Metrics

Metric	Pass or Fail
Color Balance	FAIL
Focus	FAIL
Resolution	PASS

Focus Analysis

Value	Threshold	Pass or Fail
153144.80	150000.00	Pass

Resolution Analysis

Camera Matrix	Pass or Fail	
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
Reprojection Error	Pass or Fail	
0.00	Pass	

Color Balance Analysis

Light Intensity Analysis

Intensity Analysis	Pass or Fail
90.51752197265625	Fail

Color	HSV (H°, S%, V%)	Delta	Pass/Fail	Sample Color	Reference Color
White	S: 177.0°, 80.4%, 82.7%	17.13	Fail		

Color	HSV (H°, S%, V%)	Delta	Pass/Fail	Sample Color	Reference Color
	Ref: 243.0°, 93.3%, 95.3%				
Light Grey	S: 137.0°, 58.0%, 62.7% Ref: 202.0°, 79.2%, 78.4%	16.46	Fail		
Grey	S: 94.0°, 37.6%, 45.5% Ref: 161.0°, 63.5%, 63.1%	25.12	Fail		
Dark Grey	S: 53.0°, 20.8%, 28.2% Ref: 120.0°, 47.5%, 47.1%	25.12	Fail		
Charcoal	S: 28.0°, 9.8%, 13.7% Ref: 83.0°, 32.5%, 32.2%	19.52	Fail		
Black	S: 11.0°, 3.5%, 5.5% Ref: 51.0°, 18.8%, 19.2%	11.07	Fail		
Blue	S: 76.0°, 5.5%, 4.3% Ref: 147.0°, 24.7%, 13.3%	16.44	Fail		
Green	S: 25.0°, 30.6%, 19.6% Ref: 74.0°, 58.4%, 26.3%	24.64	Fail		
Red	S: 2.0°, 4.7%, 56.1% Ref: 47.0°, 19.2%, 70.6%	11.02	Fail		
Yellow	S: 1.0°, 59.2%, 88.6% Ref: 32.0°, 77.6%, 93.3%	15.08	Fail		
Magenta	S: 75.0°, 10.2%, 58.4% Ref: 151.0°, 32.9%, 75.7%	19.07	Fail		
Cyan	S: 110.0°, 23.5%, 8.6% Ref: 170.0°, 53.3%, 4.7%	28.58	Fail		
Orange	S: 1.0°, 23.9%, 76.1% Ref: 47.0°, 48.6%, 87.8%	18.35	Fail		
Medium Blue	S: 107.0°, 11.0%, 9.4% Ref: 170.0°, 35.7%, 26.7%	19.97	Fail		
Light Red	S: 25.0°, 10.6%, 59.2% Ref: 97.0°, 32.2%, 77.6%	18.95	Fail		
Purple	S: 39.0°, 5.1%, 17.3% Ref: 106.0°, 22.7%, 36.9%	16.30	Fail		
Yellow Green	S: 13.0°, 52.2%, 47.1% Ref: 63.0°, 74.1%, 62.4%	17.14	Fail		
Orange Yellow	S: 1.0°, 40.4%, 79.2% Ref: 39.0°, 63.5%, 90.2%	18.89	Fail		
Dark Tone	S: 15.0°, 9.4%, 23.5% Ref: 67.0°, 31.8%, 45.5%	18.20	Fail		
Light Tone	S: 50.0°, 29.4%, 59.6% Ref: 129.0°, 57.6%, 78.0%	24.70	Fail		
Sky Blue	S: 88.0°, 19.2%, 17.6%	25.78	Fail		

Color	HSV (H°, S%, V%)	Delta	Pass/Fail	Sample Color	Reference Color
	Ref: 156.0°, 47.8%, 35.7%				
Tree Green	S: 16.0°, 17.6%, 16.9% Ref: 64.0°, 42.4%, 35.3%	20.96	Fail		
Light Blue	S: 112.0°, 22.4%, 27.5% Ref: 176.0°, 50.2%, 51.0%	25.18	Fail		
Blue Green	S: 104.0°, 48.2%, 24.7% Ref: 172.0°, 74.5%, 36.1%	21.66	Fail		

Report Complete