

# TECHNOLOGY REPORT

**Marshall Electronics, Inc.**

1910 East Maple Av, El Segundo, CA 90245 USA

TEL : 310-333-0606

FAX : 310-333-0688

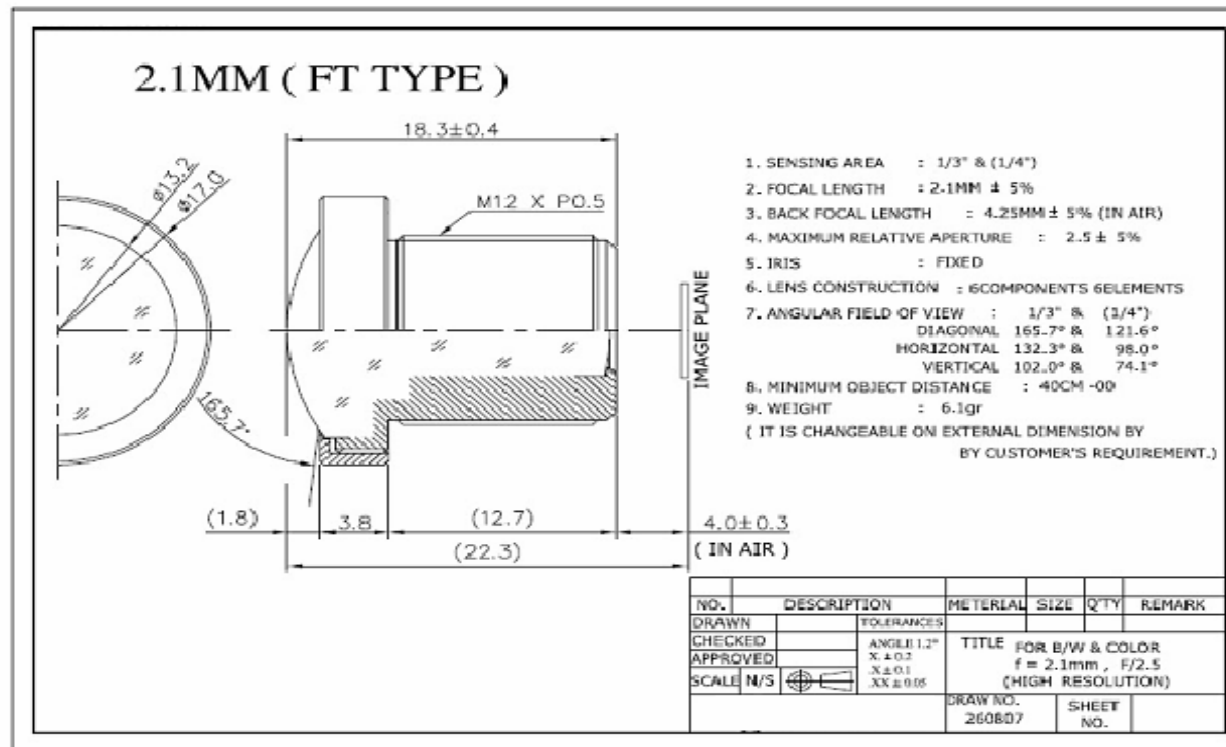
Website: [www.mars-cam.com](http://www.mars-cam.com)

Email: [sales@mars-cam.com](mailto:sales@mars-cam.com)

## V-4402.1-2.5-HR Lens

## 2.1mm F2.5 High Resolution CCTV Lens

### Specification Data Sheet



# TECHNOLOGY REPORT

**Marshall Electronics, Inc.**

1910 East Maple Av, El Segundo, CA 90245 USA

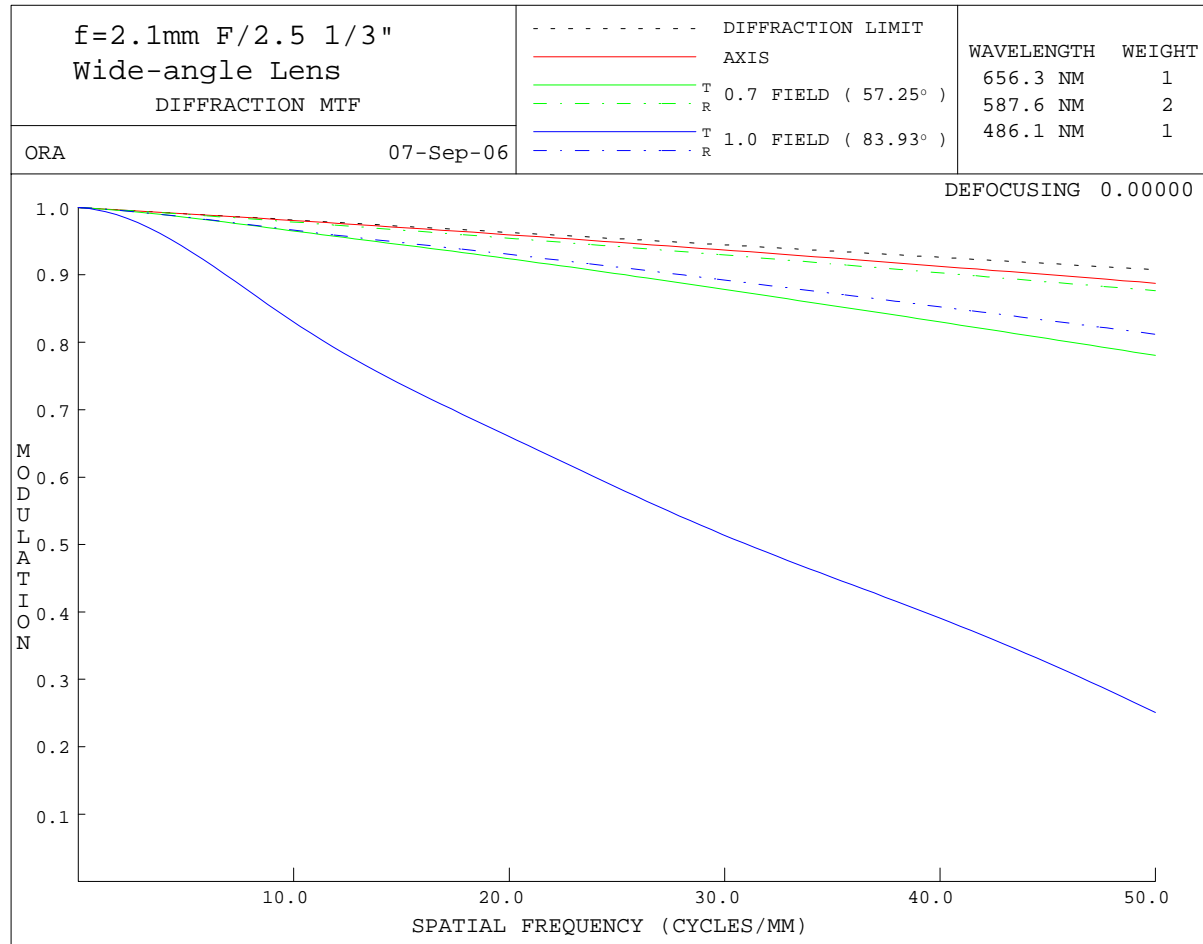
TEL : 310-333-0606

FAX : 310-333-0688

Website: [www.mars-cam.com](http://www.mars-cam.com)

Email: [sales@mars-cam.com](mailto:sales@mars-cam.com)

MTF (modulation transfer function)



# TECHNOLOGY REPORT

**Marshall Electronics, Inc.**

1910 East Maple Av, El Segundo, CA 90245 USA

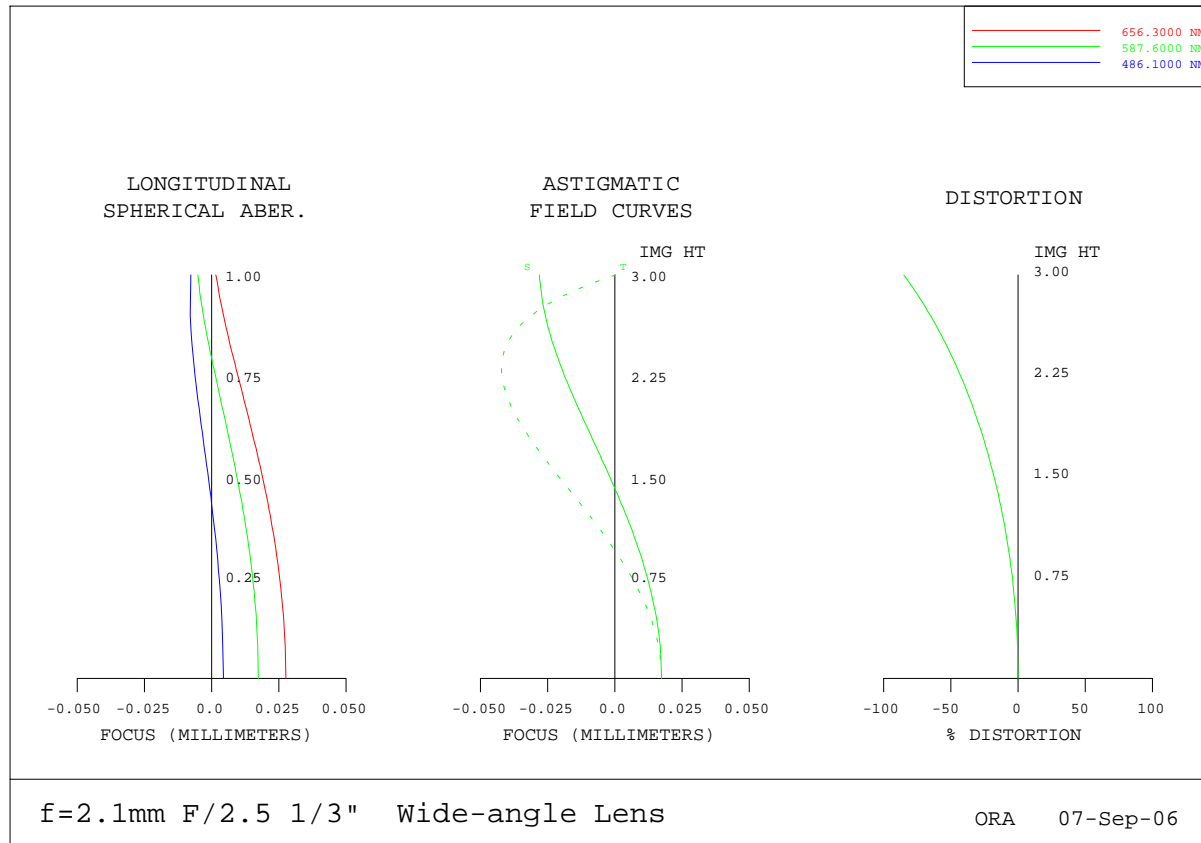
TEL : 310-333-0606

FAX : 310-333-0688

Website: [www.mars-cam.com](http://www.mars-cam.com)

Email: [sales@mars-cam.com](mailto:sales@mars-cam.com)

- Optical Distortion



# TECHNOLOGY REPORT

**Marshall Electronics, Inc.**

1910 East Maple Av, El Segundo, CA 90245 USA

TEL : 310-333-0606

FAX : 310-333-0688

Website: [www.mars-cam.com](http://www.mars-cam.com)

Email: [sales@mars-cam.com](mailto:sales@mars-cam.com)

## ROTATIONALLY SYMMETRIC FIELD ABERRATIONS

POSITION 1            f=2.1mm F/2.5 1/3" Wide-angle Lens

WAVELENGTH        587.6 NM

RELATIVE FIELD HEIGHT	IMG HT	X-FOCUS AT THE IMAGE SURFACE	Y-FOCUS	X-FOCUS (DISPLACED BY 0.000000)	Y-FOCUS (DISPLACED BY 0.000000)	DISTORTION (PER CENT)
0.00	0.00	0.017339	0.017339	0.017339	0.017339	0.00000
0.10	0.30	0.016471	0.015499	0.016471	0.015499	-0.68951
0.20	0.60	0.013914	0.010129	0.013914	0.010129	-2.77130
0.30	0.90	0.009813	0.001682	0.009813	0.001682	-6.28638
0.40	1.20	0.004411	-0.009051	0.004411	-0.009051	-11.30729
0.50	1.50	-0.001947	-0.020878	-0.001947	-0.020878	-17.94554
0.60	1.80	-0.008806	-0.032087	-0.008806	-0.032087	-26.36474
0.70	2.10	-0.015586	-0.040221	-0.015586	-0.040221	-36.80410
0.80	2.40	-0.021575	-0.041692	-0.021575	-0.041692	-49.62233
0.90	2.70	-0.025958	-0.031058	-0.025958	-0.031058	-65.38708
1.00	3.00	-0.028089	0.000250	-0.028089	0.000250	-85.08078

Units of focus are MILLIMETERS