

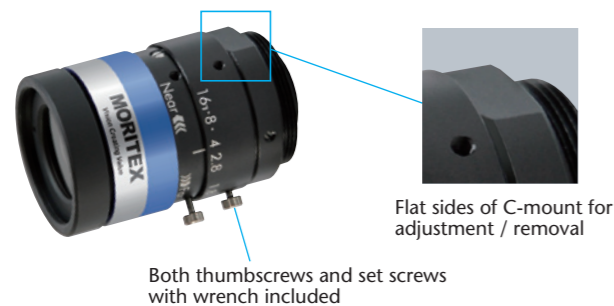
NEW FA/CCTV Lenses

ML-U-SR Series
ML-M-UR Series
ML-M-HR Series
ML-T Series

Model Name Description

ML -	Sensor Size	Focal Length	Fno	Pixel Size	Sensor Diagonal Size
	M = Up to 2/3" (including 1/1.8" 1/2" 1/3")		UR = 2.2µm SR = 3.5µm HR = 5.0µm		16C = 16mm (1") C mount 18C = 18mm (1.1") C mount
	U = Larger than 1" (including 1.1")				

Mechanical Feature



Lens Selector
You can find the best lens to meet your requirement!

Asia

MORITEX Corporation
3-13-45 Senzui, Asaka-shi,
Saitama, 351-0024
Japan
Phone: +81 (0)48-218-2546
Fax: +81 (0)48-462-6713
E-mail: moritex.sales@moritex.com
URL: www.moritex.com

**MORITEX Technologies Co., Ltd.
Shenzhen office**

No.20, Guiri Road, Daping Village,
Guanlan, Longhua New District
Shenzhen, 518110
China
Phone: +86-755-2798-8282
Fax: +86-755-2798-8575
E-mail: sales.china@moritex.com

MORITEX Asia Pacific Pte. Ltd.

60 Paya Lebar Road #06-31
Singapore 409051
Phone: +65-6898-0835
Fax: +65-6898-0836
E-mail: Sales.AP@moritex.com

Suzhou office

Room 715, Building No.1,
Rongsheng Business Center,
No.135 Wangdun Road,
Suzhou Industrial Park,
Suzhou, 215028
China
Phone: +86-188-9693-0902
+86-180-6803-5372

North America

MORITEX North America, Inc.
6862 Santa Teresa Blvd.
San Jose, CA 95119
USA
Phone: +1 (408)363-2100
Fax: +1 (408)363-9980
E-mail: machine.vision@moritex.com

Europe

Europe Representative Office
Muhlbachstr. 20 82229 Seefeld
Germany

Compact Design
+

Vibration Resistance



For Machine Vision ML-U-SR Series

Features

- Compact Design
- "Super" High Resolution 150lp/mm, Large Aperture Design
- Large Format, 1.1", 12MP, 3.5µm Pixel Sensor Compatible
- Color Corrected for Visible to NIR Wavelengths (400~1,000nm)
- Sony Pregius, ON Semi PYTHON and Other High Performance Sensors



Specifications

Model name	Focal Length (mm)	Fno	Image Format	Pixel Size / Resolution	Minimum WD (mm)	Closest Mag.	Angle of View (H x V)	TV Distortion @WD500mm	Filter Thread	Size (mm)	Weight (g)
ML-U0816SR-18C ^{*2}	8	1.6-16	17.6mm 1.1"	3.5µm / 150lp/mm	100	0.062	82.7° x 66.8°	<2%	M55.5 x 0.75	φ57 x 60	TBD
ML-U1216SR-18C ^{*2}	12	1.6-16			150	0.078	60.9° x 47.1°	<1.3%	M35.5 x 0.5	φ39.5 x 60	TBD
ML-U1616SR-18C ^{*2}	16	1.6-16			150	0.098	47.5° x 36.5°	<0.8%		φ39.5 x 53.5	TBD
ML-U2516SR-18C ^{*1}	25	1.6-16			150	0.158	31.0° x 23.5°	<0.05%		φ39.5 x 54.6	132
ML-U3518SR-18C ^{*1}	35	1.8-16			195	0.190	22.9° x 17.3°	<0.1%		φ39.5 x 54.5	117
ML-U5020SR-18C ^{*2}	50	2.0-16			300	0.167	16.0° x 12.1°	<0.1%		φ39.5 x 60	TBD

*1 : Product coming in June 2018
*2 : Product coming after June 2018

For ITS ML-T Series

Features

- Compact, Vibration Resistant Design
- Wide Focus Range, Closest WD 2m
- Color Corrected for Visible to NIR Wavelengths (400~1,000nm) for Outdoor, Day/Night Use



Specifications

Model name	Focal Length (mm)	Fno	Image Format	Pixel Size / Resolution	Minimum WD (Ex. ring)	Closest Mag.	Angle of View (H x V)	TV Distortion @WD2m	Filter Thread	Size (mm)	Weight (g)
ML-T2528-18C ^{*1}	25	2.8-16	18.5mm 1.1"	3.5µm / 150lp/mm	2m (1m)	0.025	32.9° x 25.0°	<0.2%	M30.5 x 0.5	φ32 x 38.3	65
ML-T3528-18C ^{*2}	35	2.8-16				0.350	24.0° x 18.0°	<0.2%		φ32 x 50	TBD
ML-T5028-18C ^{*1}	50	2.8-16				0.050	16.8° x 12.7°	<0.2%	φ32 x 55.4	75	
ML-T7528-18C ^{*2}	75	2.8-16				0.081	11.3° x 8.5°	<0.2%	M35.5 x 0.5	φ38 x 70	TBD

*1 : Product coming in April 2018
*2 : Product coming after June 2018

For Machine Vision ML-M-UR Series ML-M-HR Series

Features

- Compact, Vibration Resistant Design
- Large Aperture, Best-in-Class Optical Design
- 2/3" Compatible, Visible to NIR Compatible AR Coatings (400~1,000nm)
- ML-M-UR : "Ultra" High Resolution 200lp/mm Design for 6MP, 2.2µm Pixel Sensors
- ML-M-HR : "High" Resolution 130lp/mm Design for 4MP, 5.0µm Pixel Sensors
- Designed for Sony Pregius, STARVIS, and Other High Performance Sensors



Specifications

Model name	Focal Length (mm)	Fno	Image Format	Pixel Size / Resolution	Minimum WD (mm)	Closest Mag.	Angle of View (H x V)	TV Distortion @WD500mm	Filter Thread	Size (mm)	Weight (g)
ML-M0625UR ^{*3}	6	2.5-16	11mm 2/3"	2.2µm / 200lp/mm	100	0.053	75.7° x 62.7°	<2.8%	M37.5 x 0.5	φ39.0 x 40	TBD
ML-M0822UR ^{*3}	8	2.2-16			100	0.071	59.2° x 44.7°	<1.9%		φ29.5 x 37.6	65
ML-M1218UR ^{*1}	12	1.8-16			152	0.075	40.1° x 31.1°	<1.2%		φ29.5 x 39.2	62
ML-M1616UR ^{*1}	16	1.6-16			150	0.096	30.5° x 23.1°	<0.5%		φ29.5 x 35.5	50
ML-M2516UR ^{*1}	25	1.6-16			150	0.152	20.0° x 15.0°	<0.07%		φ29.5 x 34.6	50
ML-M3520UR ^{*2}	35	2.0-16			200	0.170	14.3° x 10.8°	<0.1%		φ29.5 x 36.3	55
ML-M5025UR ^{*3}	50	2.5-16	300	0.194	10.7° x 8.1°	<0.1%	φ29.5 x 48.2	70			
ML-M0818HR ^{*3}	8	1.8-16	11mm 2/3"	5µm / 130lp/mm	100	0.071	58.2° x 44.7°	<1.2%	M25.5 x 0.5	φ29.5 x 35	TBD
ML-M1218HR ^{*3}	12	1.8-16			150	0.071	40.3° x 30.7°	<0.8%		φ29.5 x 32	55
ML-M1618HR ^{*3}	16	1.8-16			200	0.079	30.8° x 23.3°	<0.2%		φ29.5 x 30	50
ML-M2520HR ^{*3}	25	2.0-16			200	0.113	20.0° x 15.0°	<0.1%		φ29.5 x 36	TBD
ML-M3520HR ^{*3}	35	2.0-16			200	0.160	14.4° x 10.8°	<0.1%		φ29.5 x 29	50
ML-M5020HR ^{*3}	50	2.0-16			300	0.160	10.1° x 7.5°	<0.8%		φ29.5 x 36	TBD

*1 : Product coming in April 2018
*2 : Product coming in June 2018
*3 : Product coming after June 2018

Primary Applications

Electronics parts



Automotive parts



Food & Beverage



Traffic surveillance

