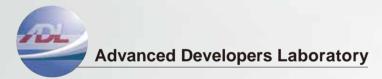


"pro" fessional solution

for 24-hour surveillance



ADL, Inc

- Tokyo Headquarter Ueno Building 5th Floor, 1-17-5, Koenji-kita, Suginami-ku, Tokyo 166-0002, Japan Phone: +81-3-5318-1420 / Fax: +81-3-5318-1421
- China office 25A, HaiYing DaSha, Cai Hong Xindu, No.3002, Caitian Nan Road, FuTian District, ShenZhen, 518000, China Phone: +86-755-2348-7843 / Fax: +86-755-2348-5691



ADL General Catalogue 2021 \sim





www.adlinc.co.jp

Company Profile

Company Name:

ADL Inc.

Address:

Ueno Bldg. 5F, 1-17-5 Koenji-kita, Suginami-ku, Tokyo 166-0002 Tel / Fax: +81-3-5318-1420 / +81-3-5318-1421

Capital:

68.2 million yen

Business:

Design, Development, Sales of Optical Products

Corporate Executive:

Toshihiko Arako, CEO Takanori Shibata, CTO

Employee:

11(plus 1 outource designer)

Main Customer:

Domestic Camera Manufacturers and System Integrators Overseas Camera Manufacturers and System Integrators

Company History



ADVANCED DEVELOPERS LABORATORY

ADL is the global company who specialize in designing Optical lens for CCTV Surveillance market,

FA market and more, with over 30 years experience. ADL's basic philosophy is to stay by customers and

make all-out efforts to materialize customers' requirement.

Our expertise is to meet with ODM requirement with highest level of designing powers.

Some of our advantages are:

- Top level design
- ▶ Shorter lead time for development
- ▶ Consistency in maintaining high quality
- Competitive price
- ▶ Excellent and prompt technical support

Our design does not stop at normal Visible lens but can be extended to SWIR, LWIR, Mirror lens, UV lens etc.

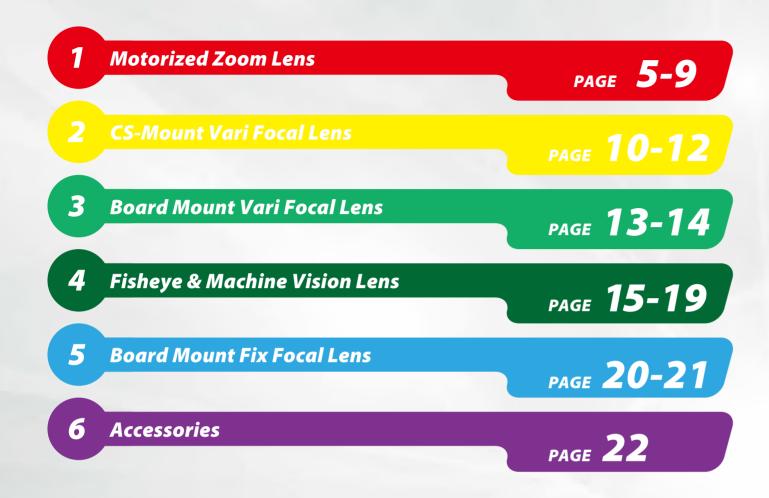
ADL is the best partner if you are looking for high quality product with best technical support and services. You will never be disappointed.

Some of our Custom-made Achievements

SECURITY	INDUSTRY	DEFENSE	UAV
Board Mount Lens designed for	Board Mount Lens designed for	SWIR Lens designed for	Reflex(Mirror) Lens designed for Multi
Multi sensor	Handheld 3D Scanner	UAV System	Sensor Camera
Panorama Camera	application		



Products Index



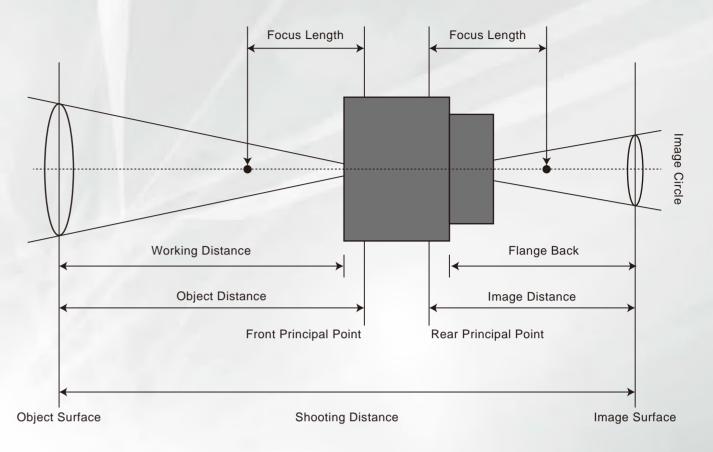
Icon Definition

Preset Potentiometer

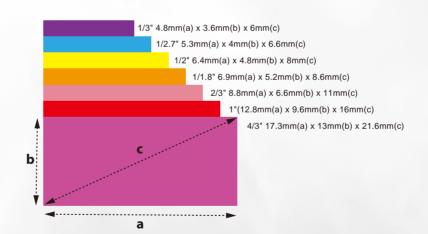


Others (IP66 Low Distortion)

Glossery



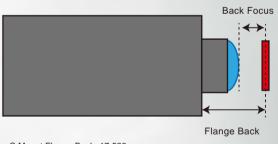
Sensor Size



Temperature Focusing Control

"TFC" correct focus shift under -10°~50° environment temperature change, so no need to readjust the focus between -10°~50°(Wide-end only).

Flange Back/Back Focus



- · C Mount Flange Back: 17.526mm
- · CS Mount Flange Back: 12.5mm

Image Format and Sensor Size

Lens Image Format and Camera sensor varied in size. Most common sizes are:

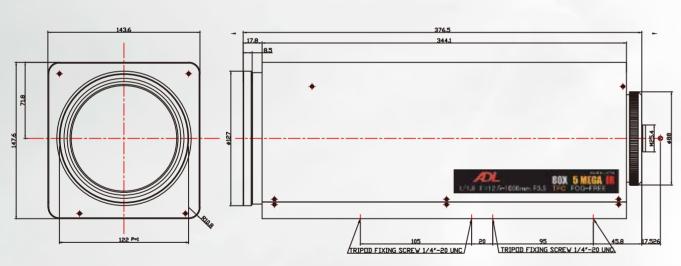


When choosing a lens, please select a lens with bigger format size than the camera sensor size to avoid dark



Motorized Zoom Lens





HZ80X1235DPFIR-T			
Format Size	1/1.8"	Mount	С
Focal Length	12.5-1000mm	Size(mm)	147.6×143.6×376.5
F-Stop	F3.5	Weight(g)	7350
Field of View (H)	33.9° ~0.42°	Resolution	5 Mega Pixel









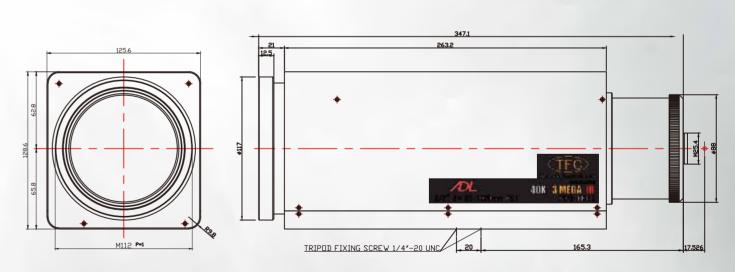












MZ40X2751DPFIR-T				
Format Size	2/3"	Mount	С	
Focal Length	27-1070mm	Size(mm)	128.6x125.6x347.1	
F-Stop	F5.1	Weight(g)	5000	
Field of View (H)	17.3°~0.50°	Resolution	3 Mega Pixel	

















Motorized Zoom Lens



MZ35X2142DPFIR-T			
Format Size	2/3"	Mount	С
Focal Length	21-750mm	Size(mm)	128.6x125.6x330.5
F-Stop	F4.2	Weight(g)	5000
Field of View (H)	23°~0.67°	Resolution	3 Mega Pixel





















MZ35X1428DPFIR-T			
Format Size	2/3"	Mount	С
Focal Length	14.5-500mm	Size(mm)	128.6x125.6x278.3
F-Stop	F2.8	Weight(g)	4500
Field of View (H)	34°~1.0°	Resolution	3 Mega Pixel

Size(mm)

Weight(g)

Resolution

MZ38X4179DPFIR-T

Focal Length

Field of View (H)

F-Stop

2/3"

F7.9

41-1560mm

11.6°~0.34°



















128.6x125.6x347.1

5000

2 Mega Pixel













Motorized Zoom Lens

CS-mount Varifocal Lens



HZ50X1046DPFIR			
Format Size	1/1.8"	Mount	С
Focal Length	10-500mm	Size(mm)	90x90x175.5
F-Stop	F4.6	Weight(g)	1400
Field of View (H)	35.1°~0.8°	Resolution	2 Mega Pixel















HZ20X1225DPIR			
Format Size	1/2"	Mount	С
Focal Length	12-240mm	Size(mm)	103x97.5x200.5
F-Stop	F2.5	Weight(g)	1600
Field of View (H)	29.16°~1.56°	Resolution	2 Mega Pixel







MSV3X3113D

1/2.7"

3.1-9mm

111.4°~38.6°

F1.3

Format Size

Focal Length

Field of View (H)







MTV3X2812D MTV3X2812S

MTV3X2812D			
Format Size	1/3"	Mount	cs
Focal Length	2.8-9mm	Size(mm)	φ 36.5 x 48.7
F-Stop	F1.2	Weight(g)	55
Field of View (H)	107.4°~34.5°	Resolution	3 Mega Pixel





MSV3X3113D





MTV3X2812S			
Format Size	1/3"	Mount	CS
Focal Length	2.8-9mm	Size(mm)	φ 36.5 x 48.7
F-Stop	F1.2	Weight(g)	55
Field of View (H)	107.4°~34.5°	Resolution	3 Mega Pixel

Mount

Weight(g)

Resolution

CS

55

φ36.5 x 48.7

3 Mega Pixel















CS-mount Varifocal Lens



MSV3X3113S MSV7X7515D MSV7X7516S

MSV3X3113S			
Format Size	1/2.7"	Mount	CS
Focal Length	3.1-9mm	Size(mm)	φ 36.5 x 48.7
F-Stop	F1.3	Weight(g)	55
Field of View (H)	111.4°~38.6°	Resolution	3 Mega Pixel









MSV7X7515D			
Format Size	1/2.7"	Mount	CS
Focal Length	7.5-50mm	Size(mm)	φ 46.3 x 68.4
F-Stop	F1.5	Weight(g)	162
Field of View (H)	42.2°~6.8°	Resolution	3 Mega Pixel









MSV7X7516S			
Format Size	1/2.7"	Mount	CS
Focal Length	7.5-50mm	Size(mm)	φ 46.3 x 68.4
F-Stop	F1.6	Weight(g)	162
Field of View (H)	42.2°~6.8°	Resolution	3 Mega Pixel













MSV7X0716D

MSV7X0716S

MSV7X0716D			
Format Size	1/2.7"	Mount	CS
Focal Length	7-50mm	Size(mm)	42 x 47 x 64
F-Stop	F1.6	Weight(g)	125
Field of View (H)	41.3°~6.0°	Resolution	2 Mega Pixel









MSV7X0716S			
Format Size	1/2.7"	Mount	CS
Focal Length	7.5-50mm	Size(mm)	42 x 47 x 64
F-Stop	F1.6	Weight(g)	125
Field of View (H)	41.3°~6.0°	Resolution	2 Mega Pixel











Board Mount Varifocal Lens







MSVF3.3X0315IR-BCDN-MD

MSVF3.3X0315IR-BCPN-MD

MSVF3X3313IR3-BCDN

MSVF3.3X0315IR-BCDN-MD			
Format Size	1/2.7"	Mount	ф14
Focal Length	3-10mm	Size(mm)	φ29 x 39.1
F-Stop	F1.5	Weight(g)	26.5
Field of View (H)	118.4°~35.2°	Resolution	4 Mega Pixel











MSVF3.3X0315IR-BCPN-MD			
Format Size	1/2.7"	Mount	ф14
Focal Length	3-10mm	Size(mm)	φ29 x 39.1
F-Stop	F1.5	Weight(g)	25
Field of View (H)	118.4°~35.2°	Resolution	4 Mega Pixel











MSVF3X3313IR3-BCDN			
Format Size	1/2.7"	Mount	ф14
Focal Length	3.3-10mm	Size(mm)	φ29 x 37.9
F-Stop	F1.3	Weight(g)	24
Field of View (H)	104.8°~34.8°	Resolution	3 Mega Pixel













MSVF3X3313IR3-BCDN-MD

MSVF3X3313IR3-BCPN-MD

Format Size

Focal Length

Field of View (H)

1/2.7"

F1.3

3.3-10mm

104.8°~34.8°

MSVF3X3313IR3-BCPN

MSVF3X3313IR3-BCPN-MD

MSVF3X3313IR3-BCDN-MD			
Format Size	1/2.7"	Mount	ф14
Focal Length	3.3-10mm	Size(mm)	φ29 x 37.9
F-Stop	F1.3	Weight(g)	28.5
Field of View (H)	104.8°~34.8°	Resolution	3 Mega Pixel









MSVF3X3313IR3-BCPN			
Format Size	1/2.7"	Mount	ф14
Focal Length	3.3-10mm	Size(mm)	φ29 x 37.9
F-Stop	F1.3	Weight(g)	22.5
Field of View (H)	104.8°~34.8°	Resolution	3 Mega Pixel

Mount

Weight(g)

φ14

φ29 x 37.9

3 Mega Pixel



















Fisheye & Machine Vision Lens



HFE1414C

Format Size

Focal Length

Field of View (H)

F-Stop





HFE1414C VFA2520-10M

1/2.3"

1.4mm

F1.4

185°

φ43 x 53.1

5 Mega Pixel

116





VFA3520-10M







Size(mm)

Weight(g)













	MANUAL	
	IRIS	
7		

VFA5020-10M		
Format Size	4/3""	
Focal Length	50mm	
F-Stop	F2-F22	
Field of View (H)	20.9°	
Mount	С	
Size(mm)	φ 44.6 x 53.7	
Weight(g)	170	
Resolution	10 Mega Pixel	

VFA1214-5M	
Format Size	1"
Focal Length	12mm
F-Stop	F1.4
Field of View (H)	53°
Mount	С
Size(mm)	φ50 x 64.9
Weight(g)	180
Resolution	5 Mega Pixel

VFA1614-5M		
Format Size	1"	
Focal Length	16mm	
F-Stop	F1.4	
Field of View (H)	42°	
Mount	С	
Size(mm)	φ41.5 x 55.6	
Weight(g)	180	
Resolution	5 Mega Pixel	

VFA2514-5M		
Format Size	1"	
Focal Length	25mm	
F-Stop	F1.4	
Field of View (H)	28°	
Mount	С	
Size(mm)	φ39 x 38.42	
Weight(g)	120	
Resolution	5 Mega Pixel	

VFA3520-5M	
Format Size	1"
Focal Length	35mm
F-Stop	F2
Field of View (H)	20°
Mount	С
Size(mm)	φ37 x 40
Weight(g)	120
Resolution	5 Mega Pixel

































Fisheye & Machine Vision Lens

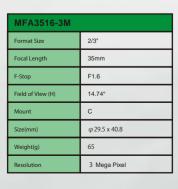
VFA5020-5M	
Format Size	1"
Focal Length	50mm
F-Stop	F2
Field of View (H)	14.4°
Mount	С
Size(mm)	φ 45 x 60
Weight(g)	200
Resolution	5 Mega Pixel



HFA1214-3M	
Format Size	1/1.8"
Focal Length	12mm
F-Stop	F1.4
Field of View (H)	32.38°
Mount	С
Size(mm)	φ 29.5 x 35.7
Weight(g)	57
Resolution	3 Mega Pixel

MFA1614-3M	
Format Size	2/3"
Focal Length	16mm
F-Stop	F1.4
Field of View (H)	30.99°
Mount	С
Size(mm)	φ 29.5 x 37.2
Weight(g)	64
Resolution	3 Mega Pixel

MFA2514-3M	
Format Size	2/3"
Focal Length	25mm
F-Stop	F1.4
Field of View (H)	19.98°
Mount	С
Size(mm)	φ 29.5 x 38.9
Weight(g)	56
Resolution	3 Mega Pixel
	·





























3 MEGA	2/3"	MANUAL IRIS





MFA5020-3M	
Format Size	2/3"
Focal Length	50mm
F-Stop	F2.8
Field of View (H)	10.03°
Mount	С
Size(mm)	φ29.5 x 38
Weight(g)	55
Resolution	3 Mega Pixel

MFA3520	
Format Size	2/3"
Focal Length	35mm
F-Stop	F2
Field of View (H)	14.3°
Mount	С
Size(mm)	φ 29 x 38.5
Weight(g)	55
Resolution	3 Mega Pixel

MFA5028	
Format Size	2/3"
Focal Length	50mm
F-Stop	F2.8
Field of View (H)	9.9°
Mount	С
Size(mm)	φ29 x 38.5
Weight(g)	55
Resolution	3 Mega Pixel

2/3* 25mm F1.4
25mm
F1.4
20.1°
С
φ29 x 31.5
45
2 Mega Pixel

HFA0614	
Format Size	1/2"
Focal Length	6mm
F-Stop	F1.4
Field of View (H)	57.4°
Mount	С
Size(mm)	φ32 x 37.5
Weight(g)	6.5
Resolution	1.3 Mega Pixel

































Fisheye & Machine Vision Lens

Board Mount Fix Focal Lens

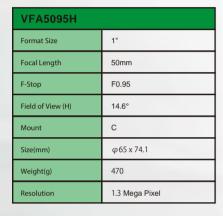
VFA2595H	
Format Size	1
Focal Length	25mm
F-Stop	F0.95
Field of View (H)	28.7°
Mount	С
Size(mm)	φ 41.8 x 45.2
Weight(g)	165
Resolution	1.3 Mega Pixel











16mm

30.7°

φ29 x 29.5

1 Mega Pixel

F0.95

29°

φ42 x 63.2

Field of View (H)

MFA1795H

Field of View (H)

Weight(g)























S0415-8M				
Format Size	1/2.7"			
Focal Length	4mm			
F-Stop	F1.5			
Field of View (H)	88°			
Mount	M12			
Resolution	8 Mega Pixel			
Resolution	o wega r ixei			









T1419-MW(IP66)			
Format Size	1/3"		
Focal Length	1.4mm		
F-Stop	F1.9		
Field of View (H)	220°		
Mount	M12		
Resolution	Mega Pixel		













T1419-M	
ormat Size	1/3"
ocal Length	1.4mm
-Stop	F1.9
ield of View(H)	220°
lount	M12
esolution	Mega Pixel

1/2.7" 1.3mm

F2.0

190°

M12 Mega Pixel

S1320-M

Focal Length

Field of View (H)



















Board Mount Fix Focal Lens

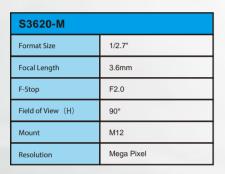
S2820-M		
Format Size	1/2.7"	
Focal Length	2.8mm	
F-Stop	F2.0	
Field of View (H)	120°	
Mount	M12	
Resolution	Mega Pixel	



MEGA	



































Accessories



FTC-2X 3G- 5E (3 Groups - 5 Elements, All glasses) Full HD(2 Mega Pixel) Resolution Keep Original F-Stop (No Degradation) Double the Focal Length

*Note: Vignetting appears toward wide side

USB-HYA0B3-NL-0100M/0200M							
Host Connector	Device Connector	Weight	Cable Diameter	Cable Length	Bend Radius	Supply Voltage	
USB 3.0 Standard A type	Micro-B type w/ Locking Screw	385g (10m)	4.8mm	10m/20m	50mm	4.75v ~ 5.25v	
Supply Current	Power Dissipation	Temperature	Humidity	Pressure	RoHS Compliance	CE / UL Conformity	
< 200mA	900 mA	0 ~ 50 ℃	15 ~ 85%	700 ~ 1060hPA	•	•	

