

See the world of thermal imaging



产品手册

Брошюра о продукте

Коммерческий

Наш весь ассортимент объективов с непрерывным зумом оптимизирован для удовлетворения широкого спектра потребностей коммерческого рынка, обеспечивая выдающиеся диапазоны обнаружения, распознавания и идентификации (DRI), поддерживая фиксированную F# во всем диапазоне зума, экономичной конструкцией и совместимостью с детекторами MWIR и LWIR.

Наша команда инженеров по исследованиям и разработкам работает в сотрудничестве с коммерческими заказчиками и ведущими производителями детекторов над разработкой оптимизированной оптики с непревзойденным качеством оптических характеристик, благодаря которому мы известны во всем мире.

Линзы можно заказать с высокой прочностью (HD), твердым углеродом с низким коэффициентом отражения (LRHC), твердым углеродом (HC) и гидрофобными AR-покрытиями.

Коммерческое применение



Специальное оборудование



Воздушная охрана



Пограничная и береговая оборона



Ситуационная осведомленность



Бортовой и базирующийся на судне



Развивающиеся области

Беспилотные воздушные системы

Характеристики



- MWIR объектив с непрерывным зумом
- Малый размер и вес
- Процесс зума полностью понятен
- В основном используется для обнаружения, идентификации и отслеживания

Модель объектива		Параметр	Примечание
OV-01-300		15-300mm f/4.0	
RV-01-330		15-330mm f/4.0	
RV-01-275		18-275mm f/5.5	
RV-02-275	HD	18-275mm f/5.5	
RV-01-250	HD	18-250mm f/4.0	
OV-01-225	HD	18-225mm f/4.0	
OV-01-200	HD	19-200mm f/4.0	

Системы отслеживания и удаления

Характеристики



- MWIR объектив с непрерывным зумом
- Большая кратность зума, малый вес
- Процесс зума полностью понятен
- В основном используется в обнаружении, идентификации, отслеживании изображений специального оборудования

Модель объектива	Параметр	Примечание
OV-01-420	21-420mm f/4.0	
OV-01-450	23-450mm f/4.0	
RV-01-495	23-495mm f/4.0	
OV-01-600	30-600mm f/4.0	
RV-01-430	18-430mm f/5.5	
RV-01-495	23-495mm f/4.0	
RV-01-660	30-660mm f4.0	

Пограничная и береговая оборона



Характеристики

- MWIR объектив с непрерывным зумом
- Большая кратность зума, визуализация на сверхдальних расстояниях
- Обновляемая версия в формате HD
- Оборудование пограничной и береговой обороны для визуального обнаружения и идентификации целей

Модель объектива	Параметр	Модель объектива	Параметр
OV-01-600	30-600mm f/4.0	RV-01-430	18-430mm f/5.5
OV-02-600	30-600mm f/4.0	RV-01-495	23-495mm f/4.0
OV-01-750	38-750mm f/4.0	RV-01-660	30-660mm f/4.0
OV-01-900	45-900mm f/4.0	RV-01-860	36-860mm f/5.5
OV-01-1200	60-1200mm f/4.0	RV-01-825	38-825mm f/4.0
RV-01-1075	45-1075mm f/5.5	7806250 HD	27-500mm f/4.0
RV-01-1290	54-1290mm f/5.5	7806225 HD	27-450mm f/4.0
7806275 HD	27-550mm f/5.5	7806200 HD	29-400mm f/4.0

Ситуационная осведомленность

Характеристики



- MWIR объектив с непрерывным зумом
- Большая кратность зума, визуализация на сверхдальних расстояниях
- Процесс зума полностью понятен
- В основном используется в обнаружении, идентификации, отслеживании изображений специального оборудования

Модель объектива	Параметр	Примечание
OV-01-750	38-750mm f/4.0	
OV-01-900	45-900mm f/4.0	
OV-01-1200	60-1200mm f/4.0	
RV-01-430	18-430mm f/5.5	
RV-01-495	23-495mm f/4.0	
RV-01-660	30-660mm f4.0	
RV-01-860	36-860mm f/5.5	
RV-01-825	38-825mm f/4.0	
RV-01-1075	45-1075mm f/5.5	
RV-01-1290	54-1290mm f/5.5	

中波红外连续变焦镜头 MWIR CONTINUOUS ZOOM LENS

Модель объектива	Параметр	Примечание
OV-01-300	15-300mm f/4.0	
RV-01-330	15-330mm f/4.0	
RV-01-275	18-275mm f/5.5	
RV-02-275 HD	18-275mm f/5.5	
RV-01-250 HD	18-250mm f/4.0	
OV-01-225 HD	18-225mm f/4.0	
OV-01-200 HD	19-200mm f/4.0	
OV-01-420	21-420mm f/4.0	
OV-01-450	23-450mm f/4.0	
RV-01-495	23-495mm f/4.0	
OV-01-600	30-600mm f/4.0	
OV-02-600 HD	30-600mm f/4.0	
OV-01-690	35-690mm f/4.0	
OV-01-750	38-750mm f/4.0	
OV-01-900	45-900mm f/4.0	
OV-01-1200	60-1200mm f/4.0	
RV-01-430	18-430mm f/5.5	
RV-01-495	23-495mm f/4.0	
RV-01-660	30-660mm f4.0	
RV-01-860	36-860mm f/5.5	
RV-01-825	38-825mm f/4.0	
RV-01-1075	45-1075mm f/5.5	
RV-01-1290	54-1290mm f/5.5	
OV-02-300 HD	15-300mmf/4.0	
RV-02-330 HD	15-330mm f/4.0	

7806275	HD	27-550mm f/5.5	
7806250	HD	27-500mm f/4.0	
7806225	HD	27-450mm f/4.0	
7806200	HD	29-400mm f4.0	

长波红外连续变焦镜头 LWIR CONTINUOUS ZOOM LENS

Модель объектива	Параметр	Примечание
OV-01-225L	25-225mm f/0.9-1.4	
OV-01-300L	30-300mm f/0.9-1.4	

长波红外镜头 LWIR LENS

Модель объектива	Параметр	Примечание
6802150	150mm f/1.0	
680235	35mm f/2.0	
680250	50mm f/2.0	

15-300mm f/4.0
Motorized Continuous Zoom
OV-01-300



WFOV(15mm)

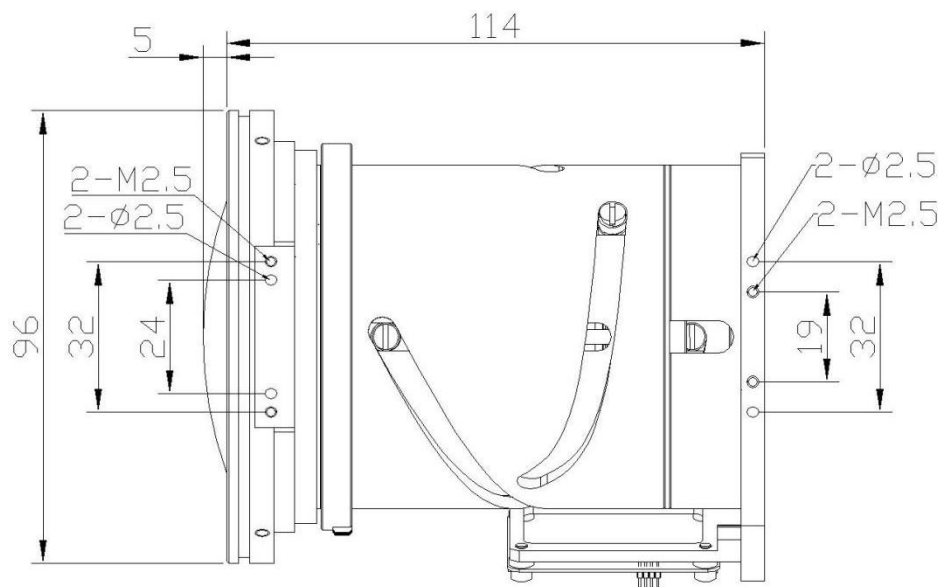
HFOV	320x256	480x384	640x512
30μ	35.4°		
20μ	24.0°	35.1°	
15μ	18.2°	26.8°	35.1°

NFOV(300mm)

HFOV	320x256	480x384	640x512
30μ	1.8°		
20μ	1.2°	2.8°	
15μ	0.9°	2.1°	1.8°

Property	Value	
Optical	WFOV	NFOV
Focal Length	15mm	300mm
F/#	4.0	
Average Transmission	≥90%	
S.R	3.7~4.8μm	
REL.ILL	≥84%	
Distortion	≤ 4 %	≤ 2 %
Minimum Focus Range	1m	60m
Back Focal Length	30.1mm	
Cold stop to FPA distance	19.4mm	
Cold stop CA	Φ5.0mm	
Mechanical		
Focus Mechanism	Motorized	
Focus Time (minimum range to ∞)	≤1 sec	
Zoom Mechanism	Motorized	
Zoom Time (NFOV to WFOV)	≤8 sec. at -40°C; ≤5 sec. at T ≥ 20°C (at max. speed)	
Max. Dimensions	Φ96mm×114mm	

Weight	960g
Property	Value
Electrical	
Lens Control	Designated lens controller
Supply Voltage	12V (Can be configured to 6V- 12V)
Current Consumption	0.5A average, 1.0A peak at T= - 32°C;
	0.2A average, 1.0A peak at T ≥ 20°C
Communication Protocol	RS232/RS422
Environmental	
Operating Temperature	-40°C~+80°C
Storage Temperature	-50°C~+85°C
Sealing	IP 67 front element only



15-330mm f/4.0
Motorized Continuous Zoom
RV-01-330



WFOV(15mm)

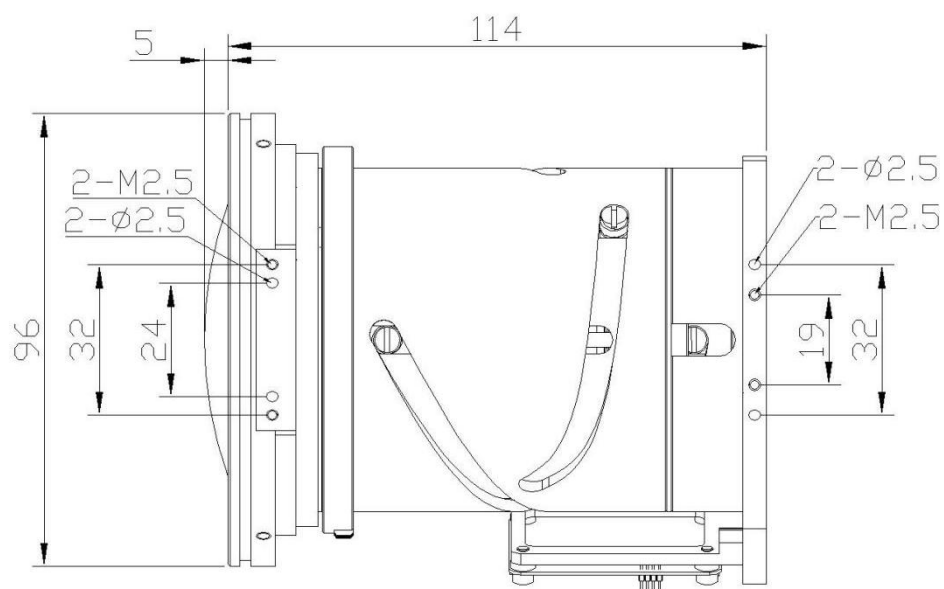
HFOV	320x256	480x384	640x512
30μ	35.5°		
20μ	24.0°	35.5°	
15μ	18.2°	26.9°	35.5°

NFOV(330mm)

HFOV	320x256	480x384	640x512
30μ	1.7°		
20μ	1.1°	1.67°	
15μ	0.8°	1.25°	1.7°

Property	Value	
Optical	WFOV	NFOV
Focal Length	15mm	330mm
F/#	4.0	
Average Transmission	≥90%	
S.R	3.7~4.8μm	
REL.ILL	≥84%	
Distortion	≤ 7 %	≤ 3 %
Minimum Focus Range	10m	50m
Back Focal Length	31.78mm	
Cold stop to FPA distance	20mm	
Cold stop CA	Φ5.0mm	
Mechanical		
Focus Mechanism	Motorized	
Focus Time (minimum range to ∞)	≤1 sec	
Zoom Mechanism	Motorized	
Zoom Time (NFOV to WFOV)	≤8 sec. at -30°C; ≤5 sec. at T ≥ 20°C (at max. speed)	

Max. Dimensions	Φ95mm×L123mm
Weight	860g
Property	Value
Electrical	
Lens Control	Designated lens controller
Supply Voltage	12V (Can be configured to 6V- 12V)
Current Consumption	0.5A average, 1.0A peak at T= - 30°C;
	0.2A average, 1.0A peak at T ≥ 20°C
Communication Protocol	RS232/RS422
Environmental	
Operating Temperature	-30°C~+60°C
Storage Temperature	-50°C~+65°C
Sealing	IP 67 front element only



18-275mm f/5.5

Motorized Continuous Zoom

RV-01-275



WFOV(18mm)

HFOV	320x256	480x384	640x512
30μ	29.86°		
20μ	20.2°	29.86°	
15μ	15.2°	22.62°	29.86°

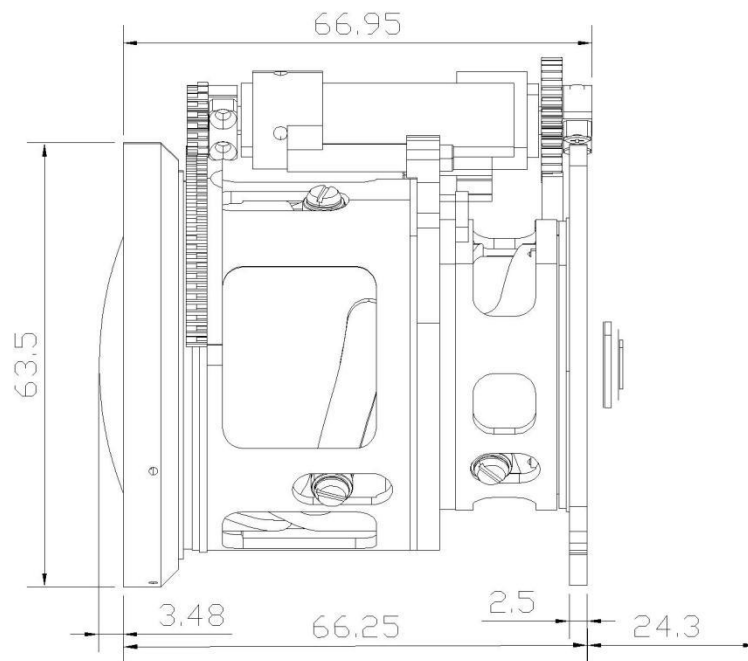
NFOV(275mm)

HFOV	320x256	480x384	640x512
30μ	2.0°		
20μ	1.33°	2.0°	
15μ	1.0°	1.5°	2.0°

Property	Value	
Optical	WFOV	NFOV
Focal Length	18mm	275mm
F/#	5.5	
Average Transmission	≥90%	
S.R	3.7~4.8μm	
REL.ILL	≥82%	
Distortion	≤ 6 %	≤ 4 %
Minimum Focus Range	5m	30m
Back Focal Length	27.7mm	
Cold stop to FPA distance	19.2mm	
Cold stop CA	Φ3.5mm	
Mechanical		
Focus Mechanism	Motorized	
Focus Time (minimum range to ∞)	≤2 sec	
Zoom Mechanism	Motorized	
Zoom Time (NFOV to WFOV)	≤5 sec. at -30°C; ≤4 sec. at T ≥ 20°C (at max. speed)	
Max. Dimensions	Φ63.5mm × L71mm	

Weight	260g
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Property	Value
Electrical	
Lens Control	Designated lens controller
Supply Voltage	12V (Can be configured to 6V- 12V)
Current Consumption	0.5A average, 1.0A peak at T= - 30°C;
	0.2A average, 1.0A peak at T $\geq$ 20°C
Communication Protocol	RS232/RS422
Environmental	
Operating Temperature	-30°C~+60°C
Storage Temperature	-50°C~+65°C
Sealing	IP 67 front element only



19-200mm f/4.0

Motorized Continuous Zoom

OV-01-200



WFOV(19mm)

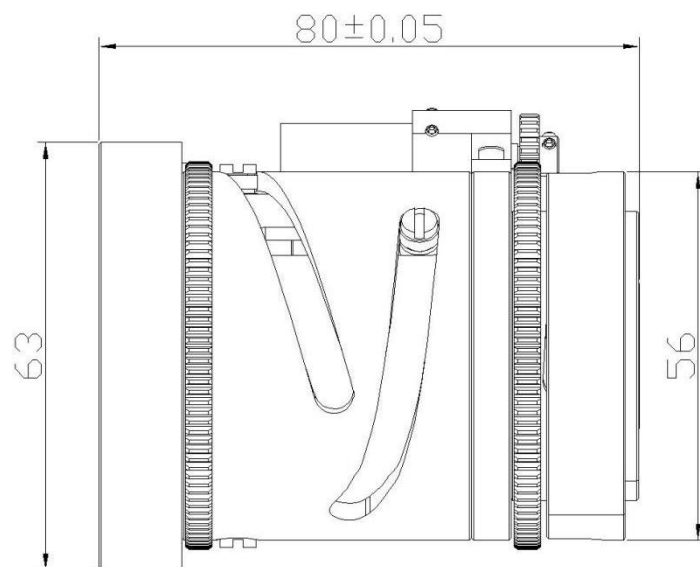
HFOV	320x256	480x384	640x512	1280x1024
30μ	28.3°			
20μ	19.1°	28.4°		
15μ	14.4°	21.5°	29.7°	
10μ			19.6°	37.2°

NFOV(200mm)

HFOV	320x256	480x384	640x512	1280x1024
30μ	2.7°			
20μ	1.8°	2.8°		
15μ	1.3°	2.1°	2.8°	
10μ			1.9°	3.7°

Property	Value	
Optical	WFOV	NFOV
Focal Length	19mm	200mm
F/#	4.0	
Average Transmission	≥91%	
S.R	3.7~4.8μm	
REL.ILL	≥84%	
Distortion	≤ 3 %	≤ 1 %
Minimum Focus Range	5m	50m
Back Focal Length	29.05mm	
Cold stop to FPA distance	20.0mm	
Cold stop CA	Φ5.0mm	
Mechanical		
Focus Mechanism	Motorized	
Focus Time (minimum range to ∞)	≤1 sec	
Zoom Mechanism	Motorized	
Zoom Time (NFOV to WFOV)	≤7 sec. at -40°C; ≤5 sec. at T ≥ 20°C (at max. speed)	
Max. Dimensions	Φ63mm×80mm	
Weight	390g	

Property	Value
Electrical	
Lens Control	Designated lens controller
Supply Voltage	12V (Can be configured to 6V- 12V)
Current Consumption	0.5A average, 1.0A peak ;
Communication Protocol	RS232/RS422
Environmental	
Operating Temperature	-40°C~+60°C
Storage Temperature	-45°C~+75°C
Sealing	IP 67 front element only



21-420mm f/4.0
 Motorized Continuous Zoom
OV-01-420



WFOV(21mm)

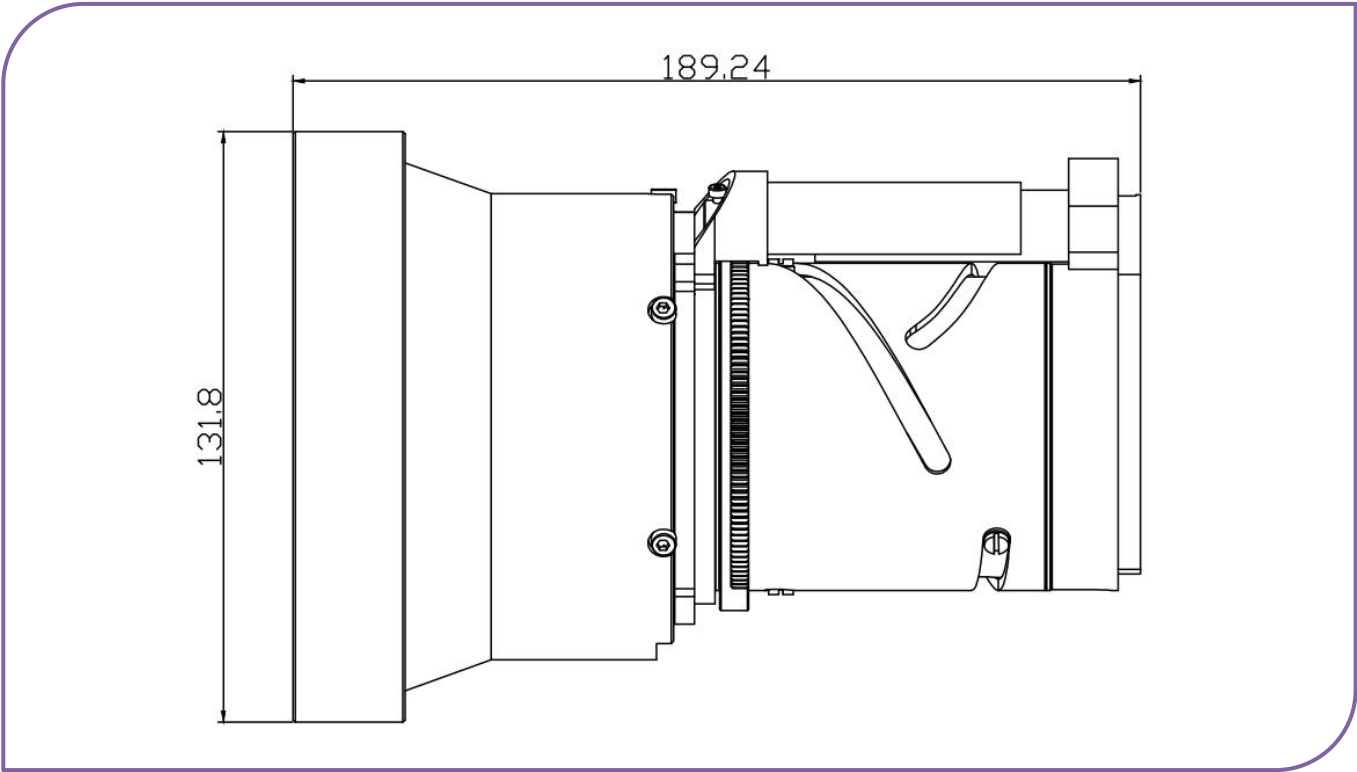
HFOV	320x256	480x384	640x512
30μ	25.7°		
20μ	17.3°	25.8°	
15μ	13.0°	19.1°	25.7°

NFOV(420mm)

HFOV	320x256	480x384	640x512
30μ	1.3°		
20μ	0.9°	1.3°	
15μ	0.65°	2.1°	1.3°

Property	Value	
Optical	WFOV	NFOV
Focal Length	21mm	420mm
F/#	4.0	
Average Transmission	≥87%	
S.R	3.7~4.8μm	
REL.ILL	≥84%	
Distortion	≤ 6 %	≤ 4 %
Minimum Focus Range	50m	100m
Back Focal Length	30.1mm	
Cold stop to FPA distance	19.4mm	
Cold stop CA	Φ5.0mm	
Mechanical		
Focus Mechanism	Motorized	
Focus Time (minimum range to ∞)	≤1 sec	
Zoom Mechanism	Motorized	
Zoom Time (NFOV to WFOV)	≤8 sec. at -40°C; ≤5 sec. at T ≥ 20°C (at max. speed)	
Max. Dimensions	Φ132mm×205mm	

Weight	/
Property	Value
Electrical	
Lens Control	Designated lens controller
Supply Voltage	12V (Can be configured to 6V- 12V)
Current Consumption	0.5A average, 1.0A peak at T= - 32°C;
	0.2A average, 1.0A peak at T ≥ 20°C
Communication Protocol	RS232/RS422
Environmental	
Operating Temperature	-40°C~+80°C
Storage Temperature	-50°C~+85°C
Sealing	IP 67 front element only



23-450mm f/4.0
Motorized Continuous Zoom
OV-01-450



WFOV(23mm)

HFOV	320x256	480x384	640x512
30μ	23.6°		
20μ	15.8°	23.6°	
15μ	13°	15.84°	23.6°

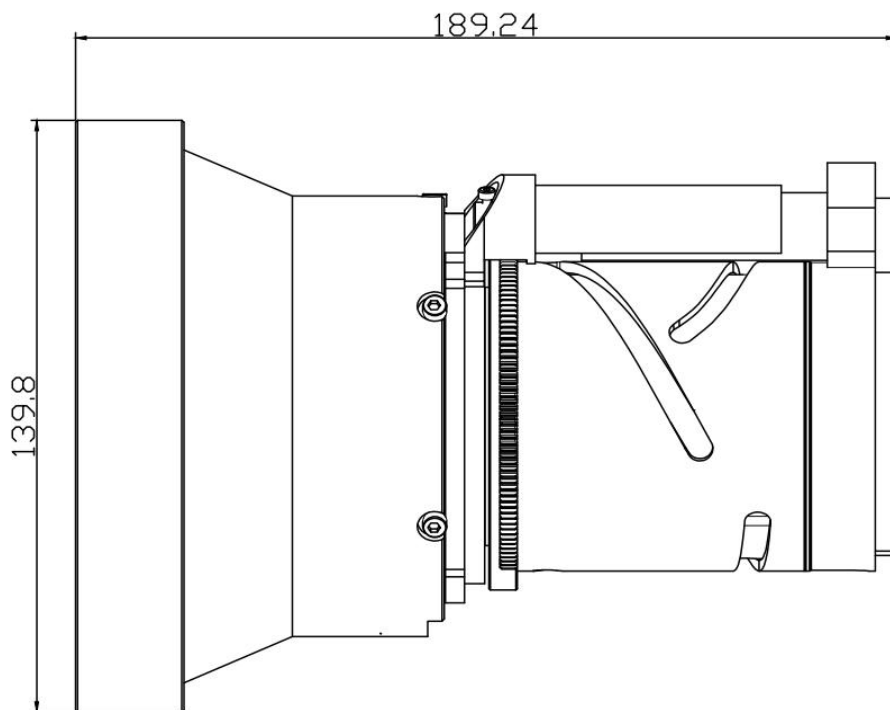
NFOV(450mm)

HFOV	320x256	480x384	640x512
30μ	1.2°		
20μ	0.8°	1.2°	
15μ	0.6°	0.8°	1.22°

Property	Value	
Optical	WFOV	NFOV
Focal Length	23mm	450mm
F/#	4.0	
Average Transmission	≥87%	
S.R	3.7~4.8μm	
REL.ILL	≥84%	
Distortion	≤ 6 %	≤ 3 %
Minimum Focus Range	20m	120m
Back Focal Length	30.1mm	
Cold stop to FPA distance	19.4mm	
Cold stop CA	Φ5.0mm	
Mechanical		
Focus Mechanism	Motorized	
Focus Time (minimum range to ∞)	≤1 sec	
Zoom Mechanism	Motorized	
Zoom Time (NFOV to WFOV)	≤8 sec. at -40°C; ≤5 sec. at T ≥ 20°C (at max. speed)	
Max. Dimensions	Φ140mm×L189.3mm	

Weight	/
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Property	Value
Electrical	
Lens Control	Designated lens controller
Supply Voltage	12V (Can be configured to 6V- 12V)
Current Consumption	0.5A average, 1.0A peak at T= - 30°C;
	0.2A average, 1.0A peak at T ≥ 20°C
Communication Protocol	RS232/RS422
Environmental	
Operating Temperature	-40°C~+80°C
Storage Temperature	-50°C~+85°C
Sealing	IP 67 front element only



23-495mm f/4.0
 Motorized Continuous Zoom
RV-01-495



WFOV(23mm)

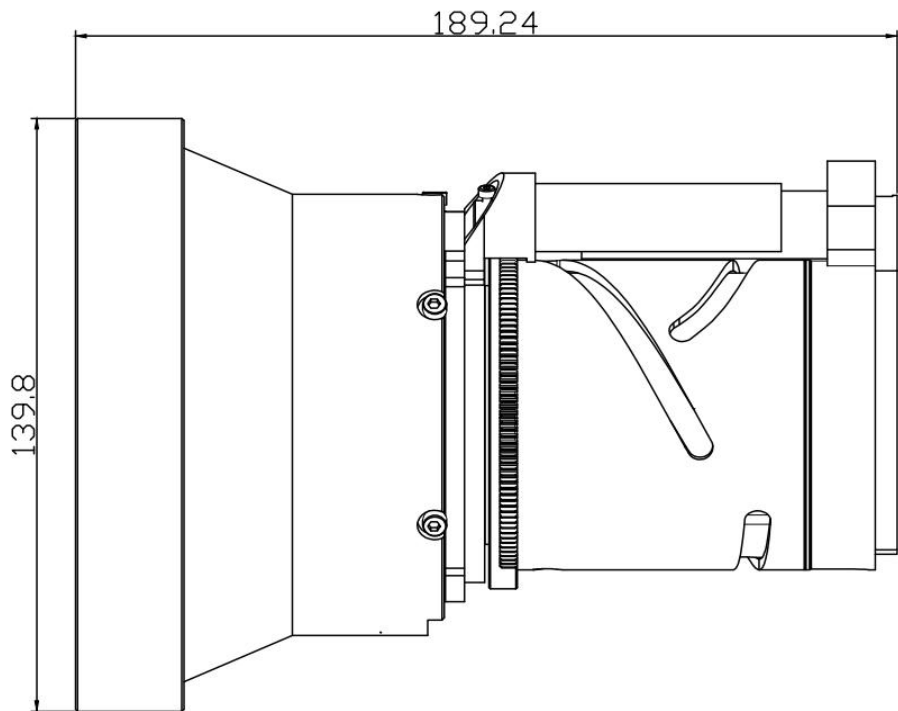
HFOV	320x256	480x384	640x512
30μ	23.6°		
20μ	15.8°	23.6°	
15μ	13°	15.84°	23.6°

NFOV(450mm)

HFOV	320x256	480x384	640x512
30μ	1.11°		
20μ	0.74°	1.11°	
15μ	0.56°	0.74°	1.11°

Property	Value	
Optical	WFOV	NFOV
Focal Length	23mm	495mm
F/#	4.0	
Average Transmission	≥87%	
S.R	3.7~4.8μm	
REL.ILL	≥84%	
Distortion	≤ 6 %	≤ 3 %
Minimum Focus Range	20m	120m
Back Focal Length	30 mm	
Cold stop to FPA distance	19.1mm	
Cold stop CA	Φ4.8mm	
Mechanical		
Focus Mechanism	Motorized	
Focus Time (minimum range to ∞)	≤1 sec	
Zoom Mechanism	Motorized	
Zoom Time (NFOV to WFOV)	≤8 sec. at -40°C; ≤5 sec. at T ≥ 20°C (at max. speed)	
Max. Dimensions	Φ140mm×L189.3mm	
Weight	/	

Property	Value
Electrical	
Lens Control	Designated lens controller
Supply Voltage	12V (Can be configured to 6V- 12V)
Current Consumption	0.5A average, 1.0A peak at T= - 30°C;
	0.2A average, 1.0A peak at T ≥ 20°C
Communication Protocol	RS232/RS422
Environmental	
Operating Temperature	-40°C~+65°C
Storage Temperature	-50°C~+70°C
Sealing	IP 67 front element only



30-600mm f/4.0
 Motorized Continuous Zoom
OV-01-600



WFOV(30mm)

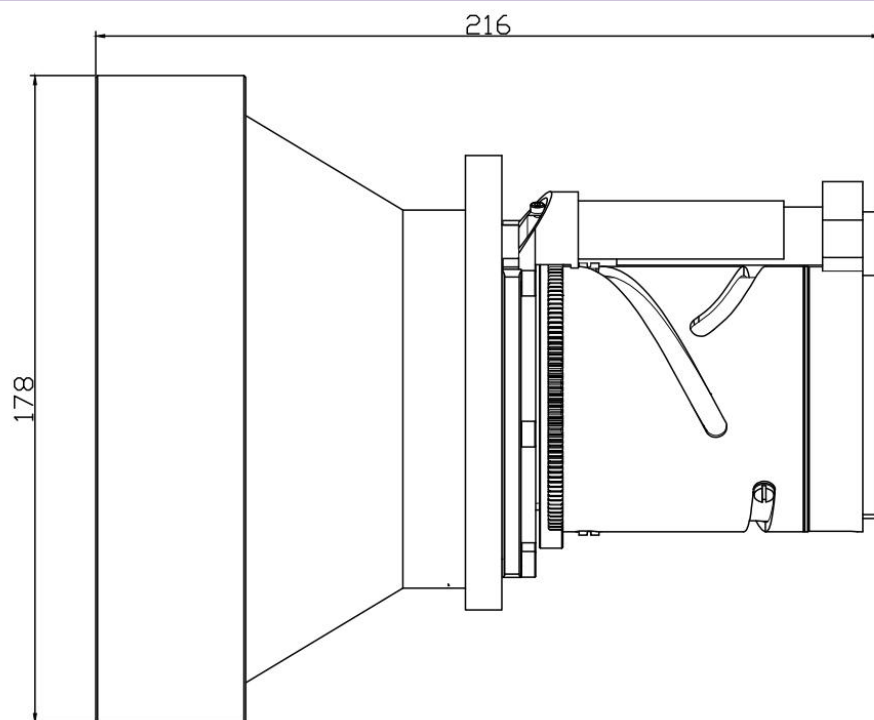
HFOV	640x512
15μ	18.18°

NFOV(600mm)

HFOV	640x512
15μ	0.92°

Property	Value	
Optical	WFOV	NFOV
Focal Length	30mm	600mm
F/#	4.0	
Average Transmission	≥88%	
S.R	3.7~4.8μm	
REL.ILL	≥82%	
Distortion	≤ 6 %	≤ 4 %
Minimum Focus Range	5m	220m
Back Focal Length	30.1mm	
Cold stop to FPA distance	19.4mm	
Cold stop CA	Φ5.0mm	
Mechanical		
Focus Mechanism	Motorized	
Focus Time (minimum range to ∞)	≤2 sec	
Zoom Mechanism	Motorized	
Zoom Time (NFOV to WFOV)	≤7 sec. at -30°C; ≤5 sec. at T ≥ 20°C (at max. speed)	
Max. Dimensions	Φ178mm×L216mm	
Weight	/	

Property	Value
Electrical	
Lens Control	Designated lens controller
Supply Voltage	12V (Can be configured to 6V- 12V)
Current Consumption	0.5A average, 1.0A peak at T= - 30°C;
	0.2A average, 1.0A peak at T ≥ 20°C
Communication Protocol	RS232/RS422
Environmental	
Operating Temperature	-40°C~+80°C
Storage Temperature	-50°C~+85°C
Sealing	IP 67 front element only



30-660mm f/4.0
 Motorized Continuous Zoom
RV-01-660

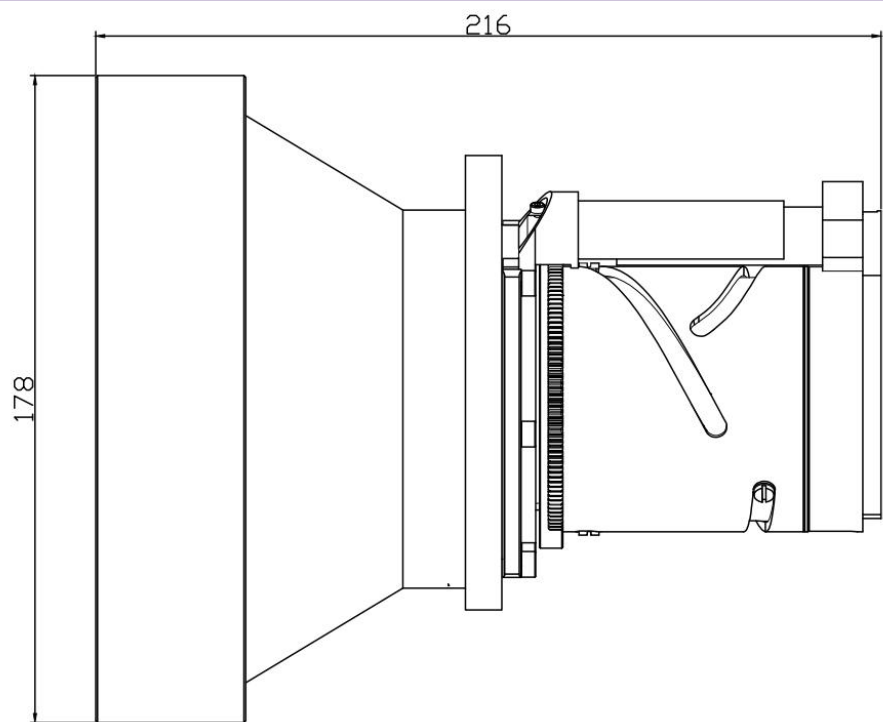


WFOV(30mm)	
HFOV	640x512
15μ	18.18°

NFOV(600mm)	
HFOV	640x512
15μ	0.83°

Property	Value	
Optical	WFOV	NFOV
Focal Length	30mm	600mm
F/#	4.0	
Average Transmission	≥88%	
S.R	3.7~4.8μm	
REL.ILL	≥82%	
Distortion	≤ 6 %	≤ 4 %
Minimum Focus Range	5m	220m
Back Focal Length	30.1mm	
Cold stop to FPA distance	19.4mm	
Cold stop CA	Φ5.0mm	
Mechanical		
Focus Mechanism	Motorized	
Focus Time (minimum range to ∞)	≤2 sec	
Zoom Mechanism	Motorized	
Zoom Time (NFOV to WFOV)	≤7 sec. at -30°C; ≤5 sec. at T ≥ 20°C (at max. speed)	
Max. Dimensions	Φ178mm×L216mm	
Weight	/	

Property	Value
Electrical	
Lens Control	Designated lens controller
Supply Voltage	12V (Can be configured to 6V- 12V)
Current Consumption	0.5A average, 1.0A peak at T= - 30°C;
	0.2A average, 1.0A peak at T ≥ 20°C
Communication Protocol	RS232/RS422
Environmental	
Operating Temperature	-40°C~+70°C
Storage Temperature	-50°C~+80°C
Sealing	IP 67 front element only



35-690mm f/4.0
 Motorized Continuous Zoom
OV-01-690

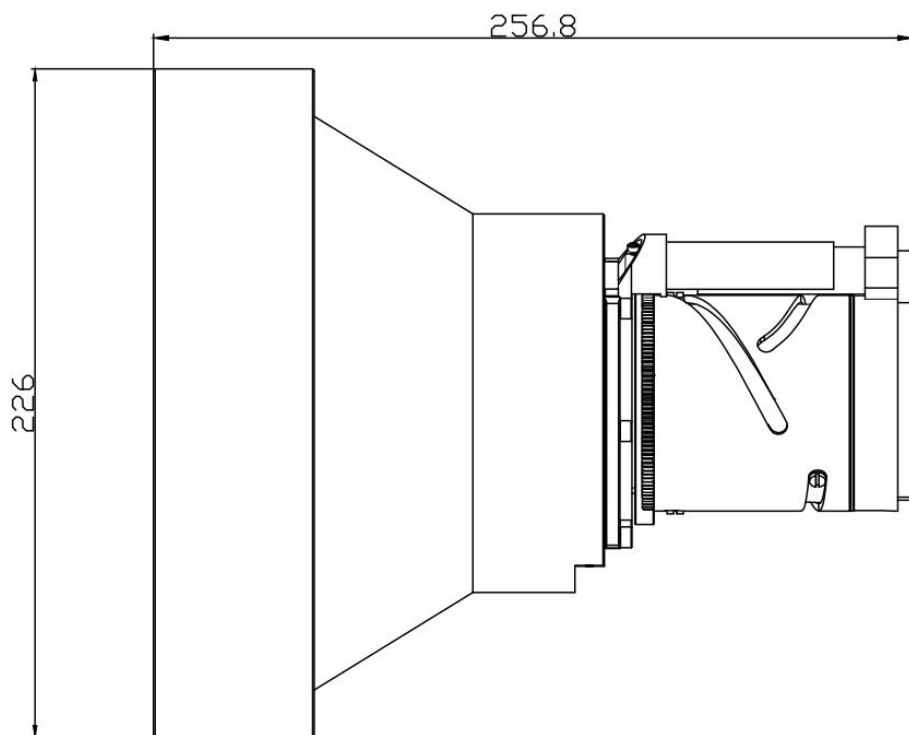


WFOV(35mm)	
HFOV	640x512
15μ	15.2°

NFOV(690mm)	
HFOV	640x512
15μ	0.8°

Property	Value	
Optical	WFOV	NFOV
Focal Length	35mm	690mm
F/#	4.0	
Average Transmission	≥82%	
S.R	3.7~4.8μm	
REL.ILL	≥82%	
Distortion	≤ 6 %	≤ 4 %
Minimum Focus Range	10m	220m
Back Focal Length	30.1mm	
Cold stop to FPA distance	19.4mm	
Cold stop CA	Φ5.0mm	
Mechanical		
Focus Mechanism	Motorized	
Focus Time (minimum range to ∞)	≤2 sec	
Zoom Mechanism	Motorized	
Zoom Time (NFOV to WFOV)	≤7 sec. at -30°C; ≤5 sec. at T ≥ 20°C (at max. speed)	
Max. Dimensions	Φ226mm×L257mm	
Weight	/	

Property	Value
Electrical	
Lens Control	Designated lens controller
Supply Voltage	12V (Can be configured to 6V- 12V)
Current Consumption	0.5A average, 1.0A peak at T= - 30°C;
	0.2A average, 1.0A peak at T ≥ 20°C
Communication Protocol	RS232/RS422
Environmental	
Operating Temperature	-40°C~+80°C
Storage Temperature	-50°C~+85°C
Sealing	IP 67 front element only



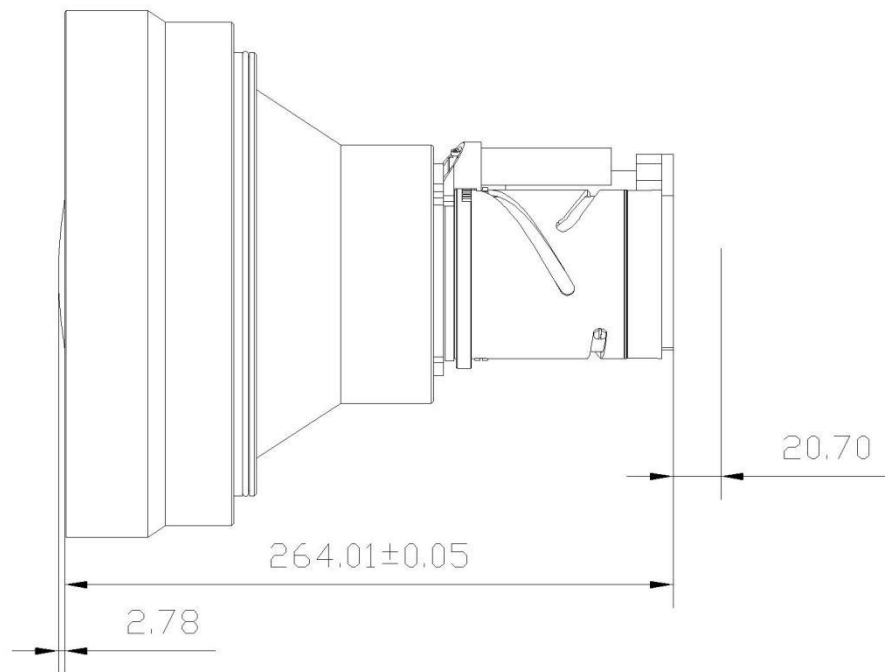
38-750mm f/4.0
Motorized Continuous Zoom
OV-01-750

WFOV(38mm)	
HFOV	640x512
15μ	14.4°

NFOV(750mm)	
HFOV	640x512
15μ	0.73°

Property	Value	
Optical	WFOV	NFOV
Focal Length	38mm	750mm
F/#	4.0	
Average Transmission	≥82%	
S.R	3.7~4.8μm	
REL.ILL	≥82%	
Distortion	≤ 6 %	≤ 4 %
Minimum Focus Range	10m	220m
Back Focal Length	30.1mm	
Cold stop to FPA distance	19.4mm	
Cold stop CA	Φ5.0mm	
Mechanical		
Focus Mechanism	Motorized	
Focus Time (minimum range to ∞)	≤2 sec	
Zoom Mechanism	Motorized	
Zoom Time (NFOV to WFOV)	≤7 sec. at -30°C; ≤5 sec. at T ≥ 20°C (at max. speed)	
Max. Dimensions	Φ228mm×L287mm	
Weight	/	

Property	Value
Electrical	
Lens Control	Designated lens controller
Supply Voltage	12V (Can be configured to 6V- 12V)
Current Consumption	0.5A average, 1.0A peak at T= - 30°C;
	0.2A average, 1.0A peak at T ≥ 20°C
Communication Protocol	RS232/RS422
Environmental	
Operating Temperature	-40°C~+80°C
Storage Temperature	-50°C~+85°C
Sealing	IP 67 front element only



45-900mm f/4.0
 Motorized Continuous Zoom
OV-01-900



WFOV(45mm)

HFOV	640x512
15μ	12.18°

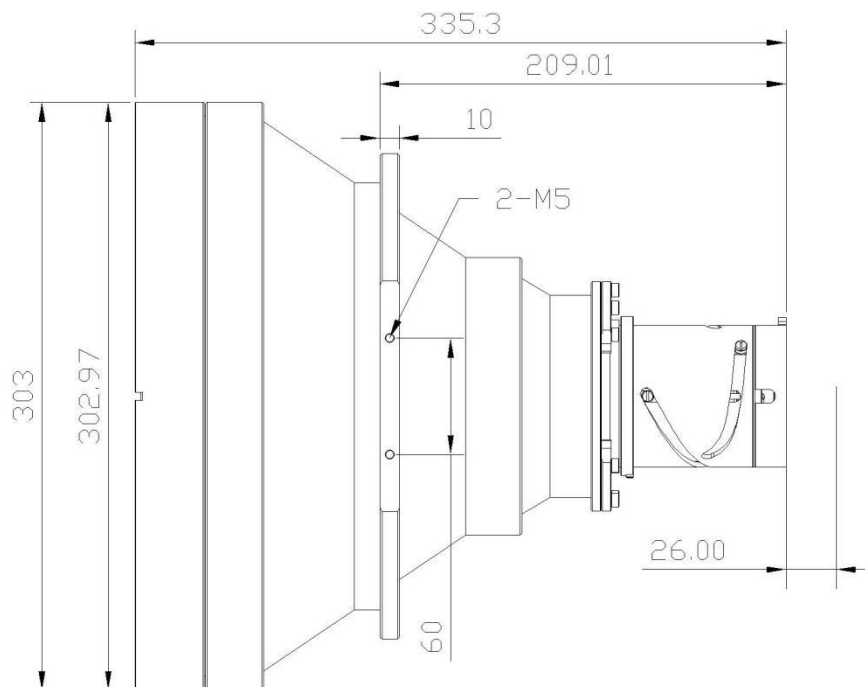
NFOV(900mm)

HFOV	640x512
15μ	0.61°

Property	Value	
Optical	WFOV	NFOV
Focal Length	45mm	900mm
F/#	4.0	
Average Transmission	≥88%	
S.R	3.7~4.8μm	
REL.ILL	≥82%	
Distortion	≤ 6 %	≤ 4 %
Minimum Focus Range	5m	220m
Back Focal Length	30.1mm	
Cold stop to FPA distance	19.4mm	
Cold stop CA	Φ5.0mm	
Mechanical		
Focus Mechanism	Motorized	
Focus Time (minimum range to ∞)	≤2 sec	
Zoom Mechanism	Motorized	
Zoom Time (NFOV to WFOV)	≤7 sec. at -30°C; ≤5 sec. at T ≥ 20°C (at max. speed)	
Max. Dimensions	Φ303mm×L345mm	

Weight	/
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Property	Value
Electrical	
Lens Control	Designated lens controller
Supply Voltage	12V (Can be configured to 6V- 12V)
Current Consumption	0.5A average, 1.0A peak at T= - 30°C;
	0.2A average, 1.0A peak at T ≥ 20°C
Communication Protocol	RS232/RS422
Environmental	
Operating Temperature	-40°C~+80°C
Storage Temperature	-50°C~+85°C
Sealing	IP 67 front element only



150mm f/1.0
LWIR Motorized Focusing Camera
TAVS-7808150



➤ **LENS Parameters**

Property	Value
Optical	FOV
Focal Length	150mm
F/#	1.0
Average Transmission	≥93%
S.R	8~12μm
REL.ILL	≥84%
Distortion	≤ 1.2 %
Minimum Focus Range	10m
BFL	8mm
FBL	16mm
FOV	4.13 ° (H)*3.31 ° (V)@640x512-17μ
Mechanical	
Focus Mechanism	Motorized
Focus Time (minimum range to ∞)	≤3 sec
Max. Dimensions	Φ215mm×L233.7mm
Weight	2.33Kg

Property	Value
Electrical	
Lens Control	Designated lens controller
Supply Voltage	12V (Can be configured to 6V- 12V)
Communication Protocol	RS232
Environmental	
Operating Temperature	-40°C~+60°C
Storage Temperature	-45°C~+65°C
Sealing	IP 67 front element only

➤ Camera Parameters

Property	Value
Basic Parameters	
Detetor	640*512-17μm
NETD	NETD<35mk@F1.0,25° C
Image Parameters	
NUC Method	Automatic correction ,manual, and background correction
Analog Video	CVBS
Digital Video	Support
Control communication	RS485
Boot Time	≤5S Boot Screen Support Customization
Support image room,Rollover,enhancement and pseudo-color	
Support SDK for secondary development and function expansion	
Frame Rate	50HZ
Electron Amplification	×1, ×2, ×4, ×8
Physical Properties	
Multiple Lens	50mm/75mm/20-100mm/30-150mm
Electrical	
Power	DC12V (DC4.5V-DC14V) ,≤2.2W
Working Temperature	-40°C~70°C, <90% RH
Storage Temperature	-45°C~85°C, <90% RH

Механизм обработки изображений

Благодаря превосходным характеристикам наших сверхточных средневолновых инфракрасных объективов с непрерывным зумом и ультра-компактных и миниатюрных объективов, предназначенных для оборудования с полезной нагрузкой, мы можем продавать комплектное оборудование в соответствии с потребностями клиентов.

В настоящее время наша компания располагает полным набором детекторных плат для обработки видеосигнала с инфракрасным охлаждением, которые могут обеспечить самое современное улучшение изображения и его обработку с превосходной производительностью. Эта конфигурируемая плата для обработки видеосигнала, идеально подходящая для систем безопасности и наблюдения, легко обеспечивает превосходную визуализацию и производительность для самых требовательных тепловизионных приложений.

Функции обработки:

- ✧ BRP (плохой пиксель обнаружения и замены)
- ✧ Выравнивание гистограммы по контрастности ограничивает
- ✧ Локализованные контрастным усилением DRC
- ✧ Заточки и свертки
- ✧ Шумоподавление
- ✧ Адаптивная фильтрация
- ✧ Автоматическая NUC и интеграции выбор времени
- ✧ Автофокус
- ✧ Запатентованные алгоритмы улучшения детализации и шумоподавления

