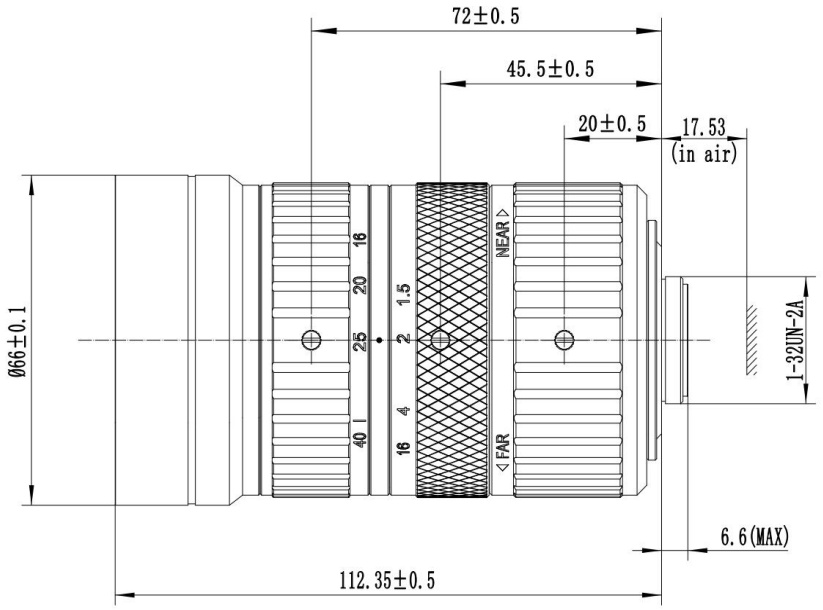
Parameter of Lens

Model:	BLV11M1640MP12-IR

Resolution		12 MegaPixel					
Image format		1.1″（φ17.6mm）					
Focal length		16.5（W）-38.5（T）（±5%mm）					
Aperture		F1.5（W）-1.55（T）（±5%mm）					
Mount		C					
Field Angle D×H×V(°) ±5%	″ / °	1.1″（IMX428）		1″（17:9 IMX305）		1/1.2″（16:9 IMX485）	
	D	60.3	25.3	55.7	23.5	44.4	18.8
	H	50.1	21.2	49	20.7	38.7	16.5
	V	34.4	14.7	25.9	11.1	21.7	9.3
Optical Distortion		-9.0%	1.20%	-8.0%	0.81%	-5.4%	0.30%
CRA		6.1	5.9	6.2	6.4	6.3	7.0
Weight		740±10g					
Coating Range		400-900nm					
M.O.D.		1.5m（W）-2.5m（T）					
Dimension		Φ66×112.35mm					
Flange BFL		17.526±0.15mm (in air)					
BFL		12.48mm (in air)					
MBF		11.05mm (in air)					
Relative illuminance		44% (W) φ8.8mm, 43% (T) φ8.8mm					
IR Correction		Yes					
(Operation)	Iris	Manual					
	Focus	Manual					
	Zoom	Manual					
Operating temperature		-30℃～+70℃					

Size



Size tolerance（mm）：	0-10±0.2	10-30±0.3	30-120±0.5
Angle tolerance	±2°		

Test Standard			
Model:		BLV11M1640MP12-IR	
Test Items		Test Content	
1	Resolution Test	Test Conditions	Fixed focus: 17.526mm Plate Glass Thickness: 1.5±0.2mm Project Distance: Wide 0.95m,with RL6858 Relay Lens Tele 3m,with RL7035 Relay Lens
		Center≥	160 lp/mm
		Φ10≥	125 lp/mm
		Φ16≥	100 lp/mm
		Image Stardard	The image should be clear.
Environment		≤1 lux	
2	Appearance	Inside Lens Barrel	60-40: 60 Scratch: The maximum scratch width is allowed to be 0.06mm, scratch length on the first surface<1mm, scratch length on other surface<Φ/4. Scratch total length<Φ/2. 40 Bright Spots: (the size of the bright spot is determined by the longest side)The maximum bright spot size is allowed to be 0.4mm, only one in the middle and edge regions. Two bright spots is allowed when the size ≦0.2mm, and the distance must≥1mm;
		Outside Lens Barrel	The lens barrel has no obvious color difference, scratch, break, deformation; the glue is not allowed to overflow into the effective light path; no word drop, clear writing, the same font size, even spacing, etc;

Reliability and Environmental Testing		
Model:		BLV11M1640MP12-IR
Test Items		Test Content
1	Temperature Cycling Test	Lens is placed on two cycles in the test temperature (-30±3)℃ for 1.5 hours and in (70±3)℃ for 3 hours separately. Then, the indicators are qualified after placing the lens at room temperature for 24 hours.
2	Damp heat test	Lens is placed in the test temperature (70±3)℃, humidity 85% RH for 48 hours. Then, the indicators are qualified after placing the lens at room temperature for 24 hours.
3	Drop Test	Lens drops from the height of (1±0.1m) to the concrete ground. After the testing, the indicators are qualified.
4	Vibration Test	Lens vibrates 2h in sinusoidal wave under 1 mm of amplitude and 50Hz of frequency. After the testing, the indicators are qualified.

Packing Specification	
Model:	BLV11M1640MP12-IR

1. After the lens is covered with the cover, attach the internal standard;

2. Put the lens into the lined paper box, and put in the desiccant and instructions;

3. Cover the inner lining cover, pack the carton, and affix the external label;

4. Seal the corrugated box with tape and mark the surface.