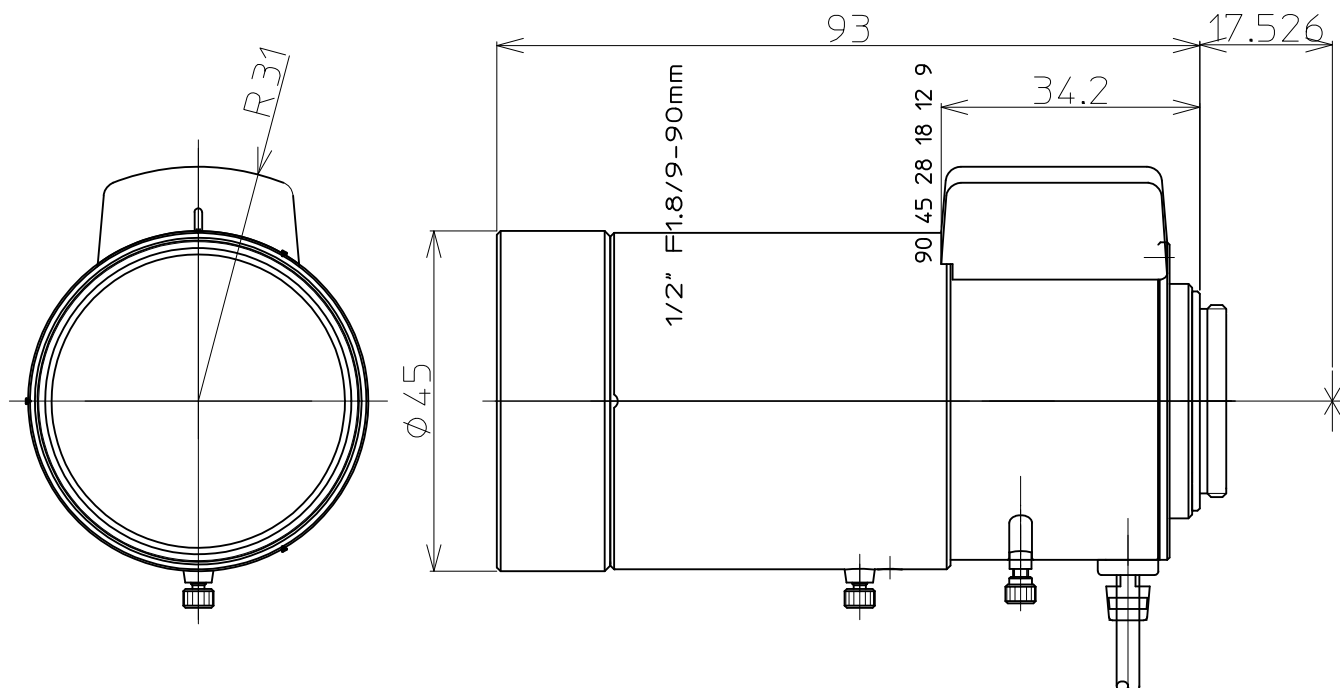




SPECIFICATION

1. USE	FOR 1/2" B/W,COLOR CAMERA		
2. FOCAL LENGTH	9~90mm		
3. ZOOM RATIO	10x		
4. MAX. DIA. RATIO	F1.8		
5. IRIS RANGE	F1.8-F360		
6. IMAGE SIZE	φ8 4.8x6.4mm		
7. BACK FOCAL LENGTH	W 15.37	T 11.71	in air
8. FLANGE FOCAL LENGTH	17.526mm in air		
9. FOCUS RANGE	W 0.3 m	T 1.0 m	
10.FIELD ANGLE	VER. W 30.3°	T 3.1°	1/3" W 22.6° T 2.4°
	HOR. 41.1°	4.2°	1/3" 30.3° 3.1°
	DIA. 52.6°	5.2°	1/3" 38.4° 3.9°
11.FIELD OF VIER AT M.O.D.	VER. W 183 mm	T 71 mm	1/3" W 134 T 53
	HOR. 253 mm	94 mm	1/3" 183 61
	DIA. 334 mm	118 mm	1/3" 233 88
12.LENS CONSTRUCTION	11GROUPS 12ELEMENTS		
13.CLEAR APERTURE	FRONT	φ 38.6	
	REAR	φ 11.8	
14.EXIT PUPIL POSITION	W -108 mm	T -218 mm	
15.MOUNT	C-MOUNT		
16.FILTER SCREW SIZE	M43x0.75		
17.DISTORTION	W -4.3%	T 0.3%	1/3" W -2.1% T 0.3%
18.WEIGHT	188 g		

DC (DIRECT CONTROL)

DRIVE	RESISTOR	200Ω	(20°C)
COIL	COLOR	RED(+)	BLACK
BRAKE	RESISTOR	700Ω	(20°C)
COIL	COLOR	YELLOW(+)	GREEN
DRIVE	OPEN	LESS THAN +4V	
VOLT.	CLOSE	OVER THAN 0V	
		W/CLOSING SPRING	



1/1		
LMVZ990A-IR		
1/2" 1.8/9~90mm		