



### 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	ø8 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 VIEW 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	ø 38.6		
	REAR	ø 11.8		
14.EXIT PUPIL POSITION	W -108 mm	T -218 mm		
15.MOUNT	C-MOUNT			
16.FILTER SCREW SIZE	M4.3x0.75			
17.DISTORTION	W -4.3%	T 0.3%	1/3' W -2.1% T 0.3%	
18.WEIGHT	188 g			

### DC (DIRECT CONTROL)

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

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