

PRECISION MACHINE VISION LENS



VT2Z3280MFZ PT

1.1inch 32-80mm

Motor drive Focus & Zoom 12MP IR-Corrected

Supported IMX304(1.1" 12MP), IMX253(1.1" 12MP), IMX267(1" 8.9MP), IMX255(1" 8.9MP)

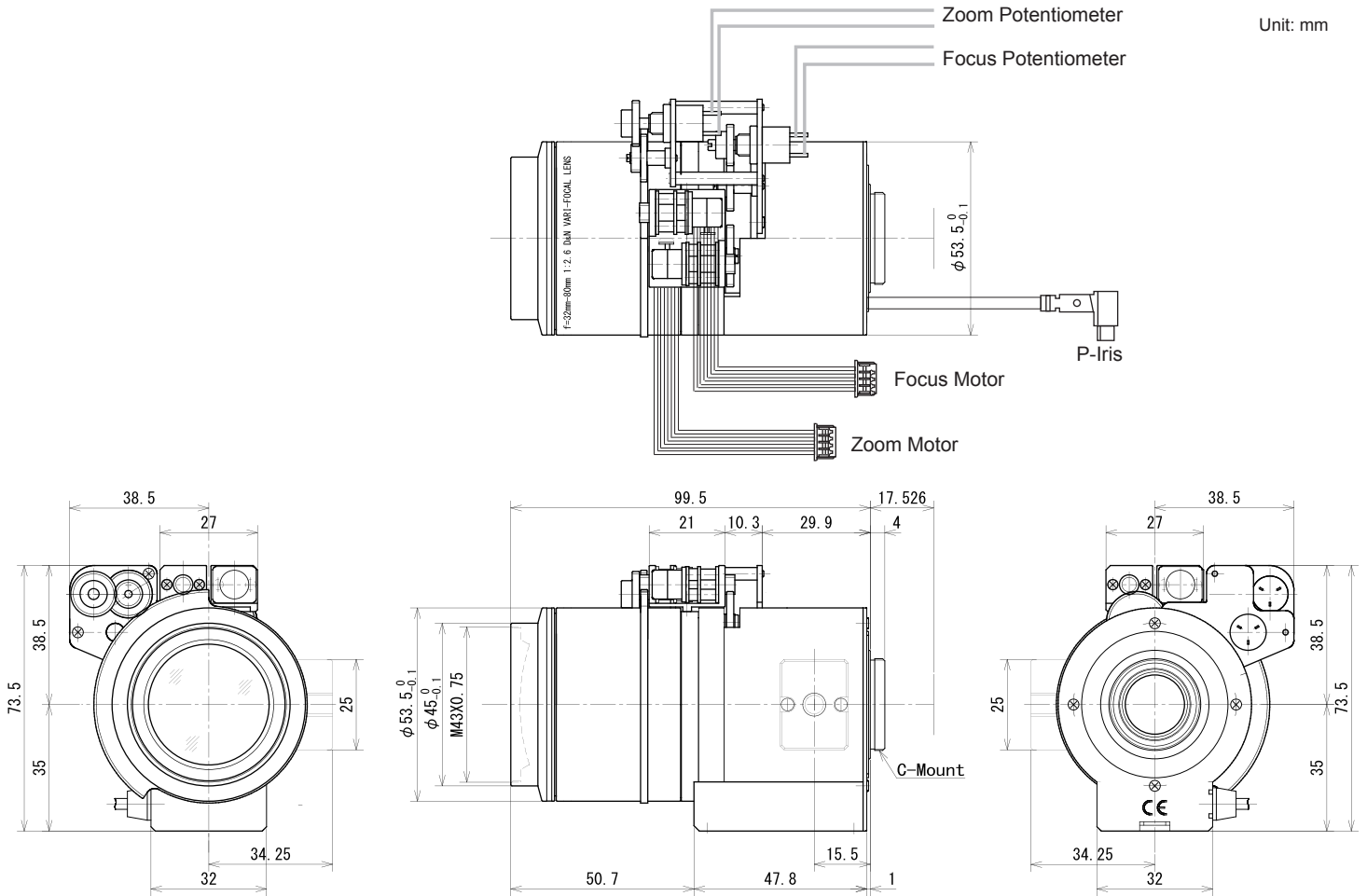
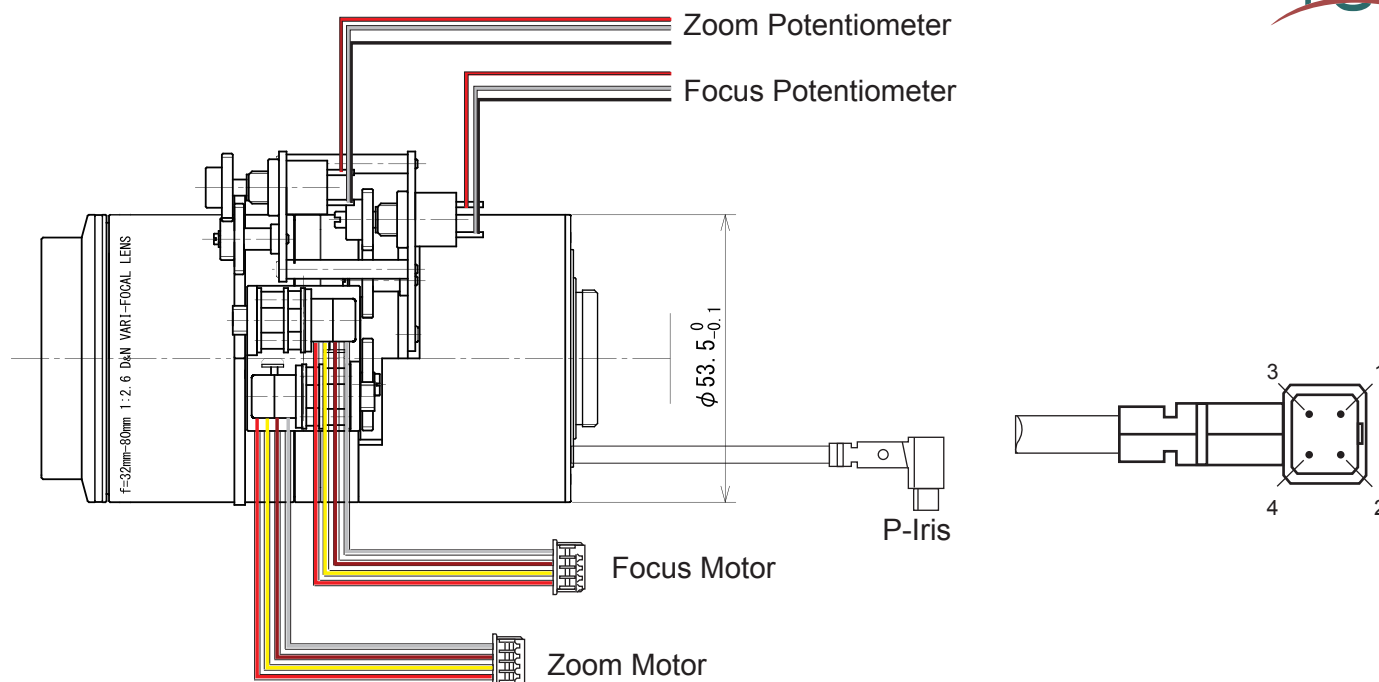


Image Format	1.1-inch (D18.0)	
Focal Length	32-80 mm	
Relative Aperture	F=1:2.6 (wide to telephoto)	
Iris Range	2.6 to 16	
Angular Field of View	f32 mm	30.9° x 22.6°
	f80 mm	9.28° x 6.86°
Resolution	12MP (3.45micron)	
IR-Correction	Supported	
M.O.D.(Minimum Object Distance)	3 m	
Back Focal Length	16.418 mm	
Flange Back	17.526 mm	
Operation	Focus	Stepping motor with potentiometer
	Zoom	Stepping motor with potentiometer
	Iris	P-Iris
Lens Mount	C-mount	
Filter Screw	M43 P=0.75	
Dimensions	72.75 x 73.5 x 99.5 mm	
Weight	350 g	
Operating Temperature	-10 to +50 °C	
Operating Temperature	Potentiometer on Focus and Zoom (option)	



■ Excitation Pattern of Focus and Zoom

Excitation pattern of CW rotation					
Step	A GRAY	\bar{A} BROWN	B YELLOW	\bar{B} RED	
0	H	L	H	L	Near, Wide ↑ ↓ Far, Tele
1	L	H	H	L	
2	L	H	L	H	
3	H	L	L	H	

■ Excitation Pattern of P-Iris

			Close >>	Step	<< Open	
Pin No.	color	Phase	0	1	2	3
1	Yellow	A	H	L	L	H
2	Brown	\bar{A}	L	H	H	L
3	Red	B	H	H	L	L
4	Orange	\bar{B}	L	L	H	H

■ Specification of Focus and Zoom Motor

Motor Type	PM type stepping motor
No. of phases	2
Step angle	0.088 degrees
coil resistance	20 Ω
Excitation method	2 phase excitation bipolar method
Insulation resistance	1M Ω
Operating voltage	3.3V
Operating temperature	-10 ~ 50°C
Max starting frequency	800pps

■ Specification of P-Iris

Motor type	PM type stepping motor
Excitation method	2 phase bipolar drive
Number of steps	80
Operating voltage	DC3 to 5V
Coil resistance	33 Ω
Application time	Within 30sec.
Holding voltage	0.5V
Pull-out rate	20 to 1,000 pps
Operating temperature	-10 to +50°

■ Potentiometer

Resistance value	5K Ω
Power rating	0.125W (at 40 degrees)
Effective electrical angle	324° $\pm 5^\circ$
Dielectric strength	500Vrms 1 minute
Nominal resistance tolerance	$\pm 20\%$
Insulation resistance	DC500V 100M Ω min.