

**OPTICAL & MECHANICAL SPECIFICATIONS**

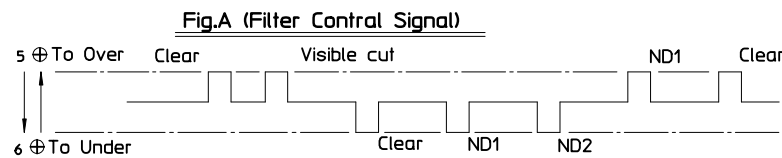
1. Application	For 1/1.8" Format Day/Night Camera	
2. Focal Length	16.7mm - 1000mm	
3. Zoom Ratio	60 x	
4. Maximum Relative Aperture	1 : 3.5	
5. Iris Range	F3.5 - F16	
6. ND Filter	1/8 , 1/64	
7. Image Size	ø8.9 mm (7.1 mm X 5.3 mm)	
8. Back Focal Length	24.85 mm (in air)	
9. Flange Focal Length	17.526 mm (in air)	
10. Focus Range	∞ - 5 m (from Front of Lens)	
11. Shift of Front Lens	6.09mm	
12. Field Angle		
x1 a) Horizontal	Wide 24.9°	Tele 0.45°
b) Vertical	Wide 14.5°	Tele 0.26°
x2 a) Horizontal	Wide 12.7°	Tele 0.23°
b) Vertical	Wide 7.3°	Tele 0.13°
13. Field of View at M.O.D.		
x1 a) Horizontal	Wide 2137 mm	Tele 38 mm
b) Vertical	Wide 1237 mm	Tele 22 mm
x2 a) Horizontal	Wide 1084 mm	Tele 19 mm
b) Vertical	Wide 617 mm	Tele 11 mm
14. Clear Aperture		
a) Front	ø107 mm	
b) Rear	ø 11.5 mm	
15. Exit Pupil Position	-448.8 mm (from Image Plane)	
16. Mount	C-Mount	
17. Filter Screw Size	M112x0.75 mm	
18. Mass	Approx. 6.7 kg	

**ENVIRONMENTAL CONDITIONS**

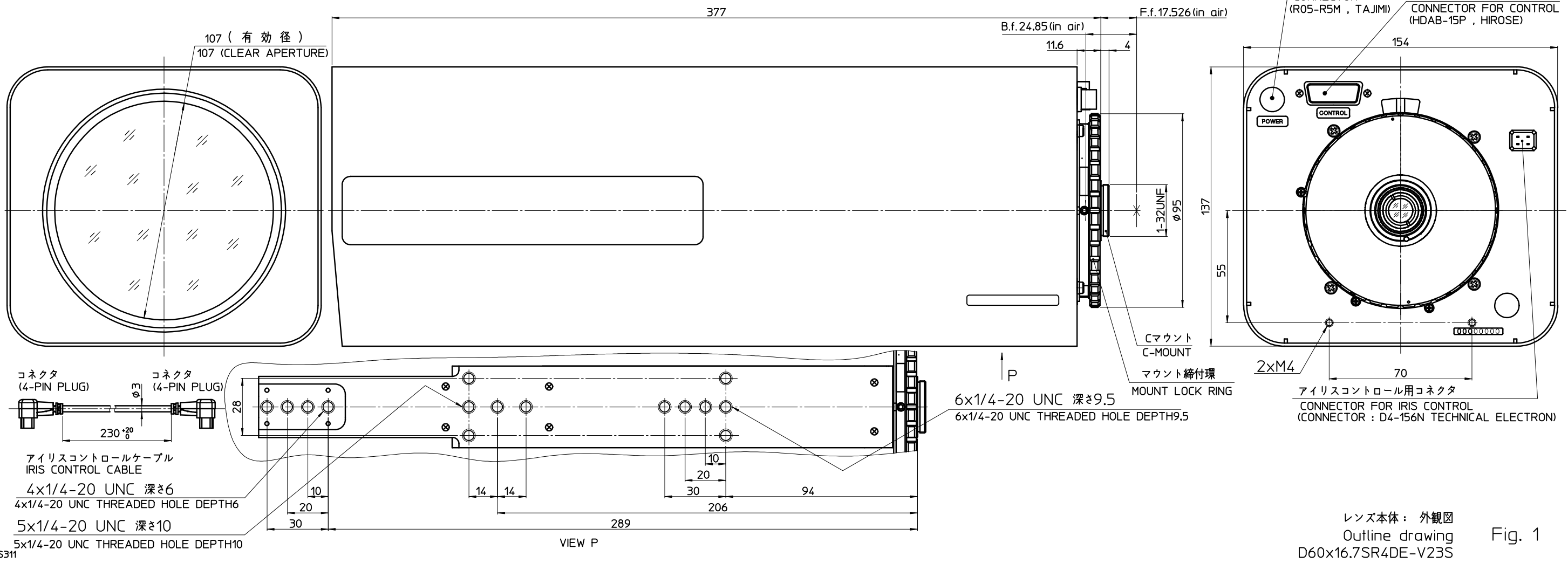
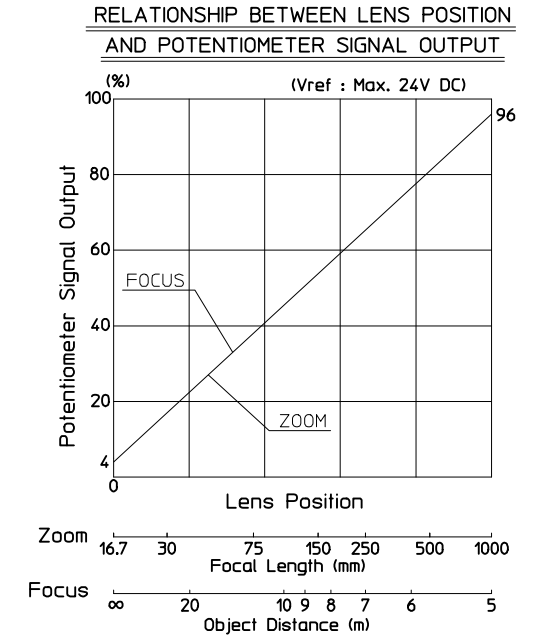
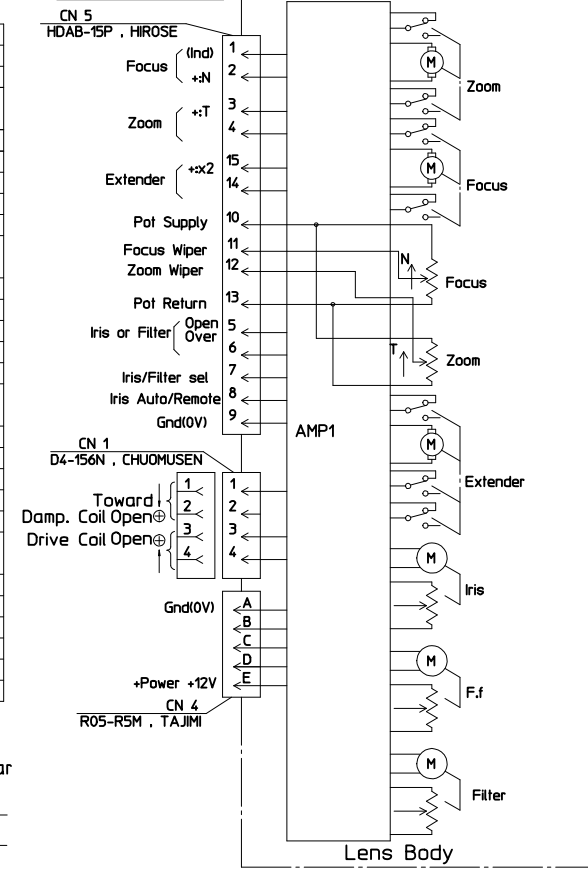
1. Temperature	
a) Operating	0°C to +50°C
b) Storage	-10°C to +60°C
2. Relative Humidity	35% to 90%

**ELECTRICAL SPECIFICATIONS**

<b>1. Iris Characteristics</b>	
a) Control	Auto / Remote
b) Rated Voltage	+12V DC (+6V to +12V)
c) Input Impedance	Drive Coil 200 Ω ±10% Damping Coil 1.5K Ω ±10%
d) Current Consumption	5mA
e) Response Time	Approx. 4.5 s (Full Travel at Remote)
<b>2. Zoom Characteristics</b>	
a) Control	Motor Drive
b) Rated Voltage	+ 12V DC (+6V to +12V)
c) Current Consumption	Operating Current 35 mA (Typ.) 90 mA (Max.)
d) Operating Time	Approx. 4 s (Full Travel at DC 12V)
e) Potentiometer	10k Ω 0.5W
<b>3. Focus Characteristics</b>	
a) Control	Motor Drive
b) Rated Voltage	+ 12V DC (+6V to +12V)
c) Current Consumption	Operating Current 60 mA (Typ.) 150 mA (Max.)
d) Operating Time	Approx. 4 s (Full Travel at DC 12V)
e) Potentiometer	10k Ω 0.5W
<b>4. Extender Characteristics</b>	
a) Control	Motor Drive
b) Rated Voltage	+ 12V DC (+6V to +12V)
c) Current Consumption	Operating Current 30 mA (Typ.) 50 mA (Max.)
d) Operating Time	Approx. 0.6s(at DC 12V)
<b>5. Filter Characteristics</b>	
a) Control	Motor Drive
b) Control Signal	See Fig. A
c) Current Consumption	5mA
d) Operating Time	Approx. 1s/1step(at DC 12V)



**WIRING DIAGRAM**



レンズ本体： 外観図  
Outline drawing  
D60x16.7SR4DE-V23S  
Fig. 1