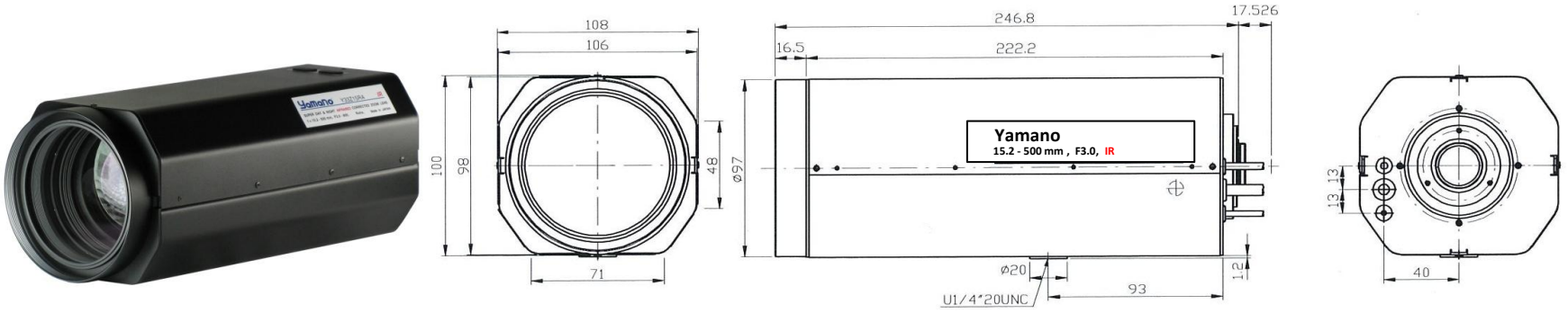
x33 Infrared Corrected Zoom Lens (Day & Night)

Y33Z15R (15.2-500.0mm)Series - Infrared Corrected Zoom Lens



Drawing: Y33Z15RAF Model

Lens Type		3 Motors			Auto Iris		Auto Focus (Standard)		Auto Focus (Interface)	
Model No.		Y33Z15RM	Y33Z15RMP	Y33Z15RMIP	Y33Z15RA	Y33Z15RAP	Y33Z15RAF	Y33Z15RAFP	Y33Z15RAF-I	Y33Z15RAFP-I
Format Size		1/2"								
Mount		C / CS (with CS adapter)								
Focal Length		15.2 - 500.0 mm								
Max. Aperture Ratio		1 : 3.0								
Iris Range		F3.0 - 22 (or 800 with ND filter)								
Min. Object Distance		4.0 m								
Operation	Iris	Motorized			Auto (Video Drive)(*1)					
	Focus	Motorized					Auto / Motorized			
	Zoom	Motorized								
Angle of View		Wide / Tele								
	Diagonal	28.86˚ / 0.92˚								
	Horizontal	23.42˚ / 0.74˚								
	Vertical	17.74˚ / 0.55˚								
Iris	Input Voltage	DC 8V-12V			DC 9V-16V		DC 9V-16V			
	Current Consumption	Max. 40 mA (Motor)			Max. 50 mA (Motor)					
	Response Speed	Approx. 10 sec.			Approx. 10 sec.					
	Input Signal	-			Video Signal (VS or V)					
	Accuracy	-			±15% at Image Signal					
	Sensitivity Adjustment	-			0.5-1.0 Vp-p					
	Metering Method	-			Average - Peak					
Zoom	Input Voltage	DC 8V-12V					DC 8V-16V		DC ±8V - ±9V	
	Current Consumption	Max. 100 mA (Motor)					Max. 10 mA (Circuit)			
	Motorization Speed	Approx. 6-45 sec.(at 8V) (Variable)					Approx. 6-45 sec.(at 8V) (Variable)			
Manual Focus	Input Voltage	DC 8V-12V					DC 8V-16V		DC ±8V - ±9V	
	Current Consumption	Max. 100 mA (Motor)					Max. 10 mA (Circuit)			
	Motorization Speed	Approx. 12-80 sec.(at 8V) (Variable)					Approx. 12-80 sec.(at 8V) (Variable)			
Auto Focus	Input Voltage	-					DC8V-16V			
	Current Consumption	-					Max.50mA (Standby) / Max.200mA (Zoom or Focus on)			
TCS (Option)	Input Voltage	DC 9V-12V								
	Current Consumption	50mA								
SFS (Option)	Input Voltage	DC 9V-12V								
	Current Consumption	50mA								
Preset Function		-	Z & F	Z & F & I	-	Z & F	-	Z & F	-	Z & F
Applicable Wavelength		430 nm - 950 nm								
Back Focal Length		41.48 mm (in air)								
Flange Back Length		17.526 mm								
Filter Screw Size		M95.0 mm P=1.0								
Dimension (V x H x D)		108.0 x 100.0 x 246.8 mm								
Weight (Approx.)		2100g	2200g	2300g	2200g	2300g	2400g	2500g	2400g	2500g

*1- Manual override (Manual / Auto Iris) available

*Specifications are subject to change without notice

* Option

1. Thermal Compensation System --- "TCS"

Zoom lens using ED glass or SD glass(better material than ED) has back focus shifting problem by temperature due to thermal expansion of lens itself and metal parts.

TCS is monitoring lens body temperature with Micro Processor, and automatically adjusts back focus correctly depending on lens body temperature.

2. Selectable Filter System --- "SFS" (Option)

ND filter, IR cut filter, or visible cut filter can be integrated into Y33Z15R series, and motorized controll is available.

3. Serial Communication Control (SCC)--- Either RS232C or RS-485 (Option)

4. Manual Override (M/O) --- Switchable between auto iris (Video typ only) and motorised control iris. (Not applicable for DC iris type)

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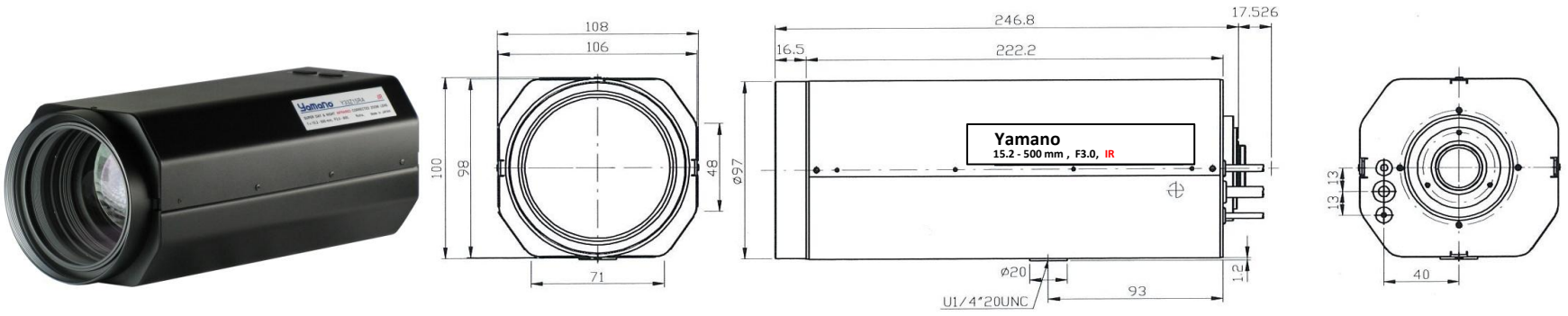

Drawing: Y33Z15RAF Model

Lens Type		Auto Iris		Auto Focus（Standard）		Auto Focus（Interface）	
Model No.		Y33Z15RA	Y33Z15RAP	Y33Z15RAF	Y33Z15RAFP	Y33Z15RAF-I	Y33Z15RAFP-I
Format Size		1/2"					
Mount		C / CS (with CS adapter)					
Focal Length		15.2 - 500.0 mm					
Max. Aperture Ratio		1 : 3.0					
Iris Range		F3.0 - 22 (or 800 with ND filter)					
Min. Object Distance		4.0 m					
Operation	Iris	Auto（DC）					
	Focus	Motorized		Auto / Motorized			
	Zoom	Motorized					
Angle of View		Wide / Tele					
	Diagonal	28.86˚ / 0.92˚					
	Horizontal	23.42˚ / 0.74˚					
	Vertical	17.74˚ / 0.55˚					
Iris	Drive Coil	190Ω ±10%（20℃）					
		Close to Open : 4.0V（20℃）					
		Open to Close : 0.5V（20℃）					
	Damp Coil	1150Ω ±10%（20℃）					
	Response Speed	Approx. 3 sec.					
	-	-					
Zoom	Input Voltage	DC 8V-12V		DC 8V-16V		DC ±8V - ±9V	
	Current Consumption	Max. 100 mA（Motor）		Max. 10 mA (Circuit)			
	Motorization Speed	Approx. 6-45 sec.		Approx. 6-45 sec.(at 8V) (Variable)			
Manual Focus	Input Voltage	DC 8V-12V		DC 8V-16V		DC ±8V - ±9V	
	Current Consumption	Max. 100 mA（Motor）		Max. 10 mA (Circuit)			
	Motorization Speed	Approx. 12-80 sec.		Approx. 12-80 sec.(at 8V) (Variable)			
Auto Focus	Input Voltage	-		DC8V-16V			
	Current Consumption	-		Max.50mA (Standby) / Max.200mA (Zoom or Focus on)			
TCS (option)	Input Voltage	DC 9V-12V					
	Current Consumption	50mA					
SFS (Option)	Input Voltage	DC 9V-12V					
	Current Consumption	50mA					
Preset Function		-	Z & F	-	Z & F	-	Z & F
Applicable Wavelength		430 nm - 950 nm					
Back Focal Length		41.48 mm (in air)					
Flange Back Length		17.526 mm					
Filter Screw Size		M95.0 mm P=1.0					
Dimension (V x H x D)		108.0 x 100.0 x 246.8 mm					
Weight (Approx.)		2200g	2300g	2400g	2500g	2400g	2500g

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