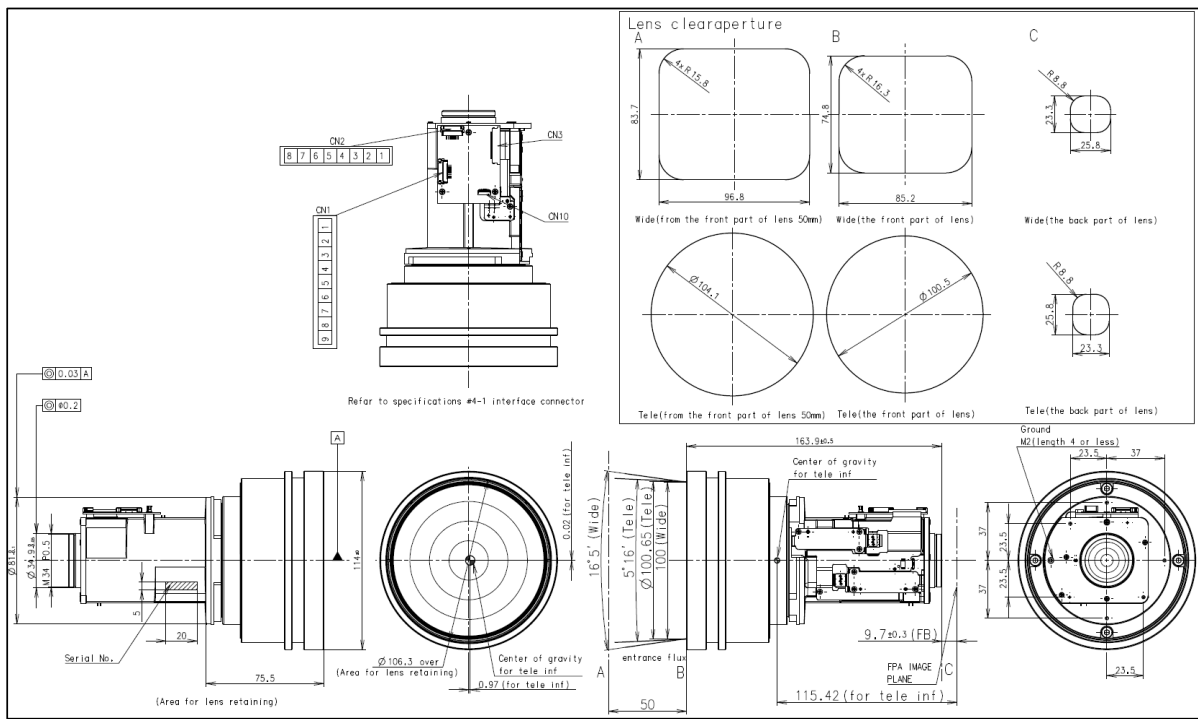


LVZ3X5016N



Spectral wave length		8-14 μ m
Focal length		50-150mm
F Number		F/1.6
Zoom ratio		3X
Flange back focal distance		9.7mm \pm 0.3mm (in Si)(Barrel rear edge to image plane)
Detector package window		(Si) t=0.66mm
Back focal distance		WIDE: 28.21mm TELE: 28.02mm
Effective image circle dia.		\geq ϕ 14.5mm
FOV (Note *1)	H	WIDE : 12.5° / TELE : 4.1° (Note *1)
	V	WIDE : 10.0° / TELE : 3.3° (Note *1)
	D	WIDE : 16.1° / TELE : 5.3° (Note *1)
Focusing system		Internal focusing system
MOD (Minimum object distance)		WIDE : 7.0m / TELE : 7.0m
Max. object distance (detection)		WIDE : 1,459m / TELE : 4,408m (Note *2)
Mechanical	Max. barrel dia. X length	ϕ 114mm x 164mm
	Weight	1,170g
	Optical image stabilization	N/A
	Optical zoom	Motorized
	Focus control	Motorized
	Active Athermalization	YES
	Mount	threaded, M34xP0.5
Electronic /Electric	Power supply	9 V DC
	Power consumption	\leq 0.7A
	Communication	Full duplex asynchronous serial communication
Reliability	Operating temp. (Performance)	-10°C~70°C
	Operating temp. (Function)	-20°C~80°C
	Water & dust proof	IP67 (front lens only)
	Front element coating	DLC coating

(Note 1) The field of view have been calculated based on a sensor size of 10.88mm(V) x 8.7mm(H) (13.9mm diagonal). (VGA 17.0 μ m pixel pitch)

(Note 2) The max. object distance (detection) is a theoretical value calculated for seeing human sized objects based on Johnson's criteria under the assumption that VGA-17 μ m pixel pitch sensor is used. It is not an actual measured value.

* Product specification are subject to change without notice.

* Custom-made lenses are available according to customers' requested design/manufacturing specifications. Please feel free to inquire.

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