

Tokina

55X SUPER-MOTORIZED ZOOM LENS

TM55Z1038AI

f=10-550mm F3.8 Video Auto Iris

TM55Z1038AIPN

f=10-550mm F3.8 Video Auto Iris with Preset

SPECIFICATIONS

MODEL NUMBER	TM55Z1038AI/TM55Z1038AIPN	
IMAGE FORMAT	1/2inch	
MOUNT	C	
FOCAL LENGTH	10-550mm	
MAXIMUM APERTURE	F1 : 3.8	
APERTURE RANGE	F1:3.8-360	
M.O.D.	5.0m	
ANGLE OF VIEW () = 1/3"	HORIZONTAL	W34.57°- T0.69° (W26.33°- T0.52°)
	VERTICAL	W26.33°- T0.52° (W19.83°- T0.39°)
FILTER SIZE	M95.0mm P=1.0	
BACK FOCAL LENGTH	47.37mm	
DIMENSIONS	W132.0 × H120.5 × L298.5mm	
WEIGHT	4.07kg	
OPERATING TEMPERATURE	-10°C ~ +50°C	
OPERATING HUMIDITY	RH90% at 40°C	

• VIDEO AUTO IRIS

INPUT VOLTAGE	DC+8V ~ +16V
CURRENT CONSUMPTION	Less than 30mA
INPUT SIGNAL	VS or V Signal
IRIS ACCURACY	±15% (Video Signal Level)
SENSITIVITY	0.5~1.0Vp-p (Video Signal)
RESPONSE SPEED	Approx. 4 Seconds
LEVEL REMOTE CONTROL	1.0V~5.5V (See #1 in Right)

• FOCUS

INPUT VOLTAGE	DC+6 ~ +12V
CURRENT CONSUMPTION	Less than 40mA
MOTORIZATION SPEED	Approx. 13 Sec. (6V)

• ZOOM

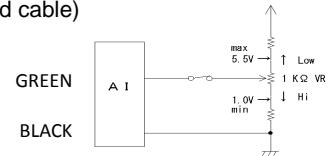
INPUT VOLTAGE	DC+6 ~ +12V
CURRENT CONSUMPTION	Less than 50mA
MOTORIZATION SPEED	Approx. 8 Sec. (6V)

CABLE CONNECTIONS

• VIDEO AUTO IRIS (4-wire shield cable)

CABLE COLOR	CONNECTION
Red	Power (DC8V-16V)
White	VS or V Signal
Green	Level Remote (See #1 in below)
Black	GND

#1: Detail of iris level remote control on iris cable
(4-wires shield cable)



• FOCUS

CABLE COLOR	POLARITY	DIRECTION
Black	+ (-)	Inf. (Near)
Red	- (+)	

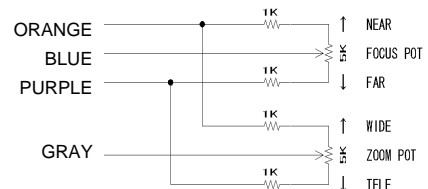
• ZOOM

CABLE COLOR	POLARITY	DIRECTION
Green	+ (-)	Wide (Tele)
White	- (+)	

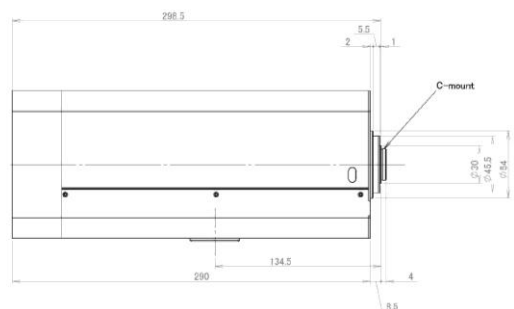
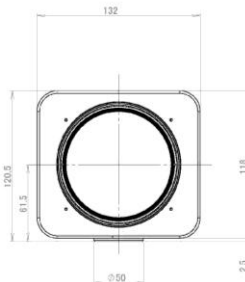
• POTENTIO METER-PRESET (TM55Z1038AIPN only)

CABLE COLOR	CONNECTION
Orange	Pot. Supply
Blue	Focus Pot. Wiper
Purple	Pot. Return
Gray	Zoom Pot. Wiper

Detail of preset cable wiring for focus / zoom



APPEARANCE



DESIGN AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE