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55X SUPER-MOTORIZED AUTO FOCUS ZOOM LENS

TM55Z1038GAIDCPNX2-iAF f = 10-550mm(-1100mm) F3.8 AUTO FOCUS GALVANO DC IRIS, 2x extender, Preset

SPECIFICATION

	TM55Z1038GAIDCPNX2-iAF		
lS	DC IRIS (Galvano)		
CUS	MORTORIZED · PRESET		
MOC	MORTORIZED · PF	RESET	
ER	NOT WORKING	WORKING	
	10-550mm	20-1100mm	
	1/2"		
	F3.8-360	F7.6-720	
IAGONAL	W42.66°T0.86°	W21.99°T0.43°	
ORIZONTAL	W34.57°T0.69°	W17.67°T0.34°	
ERTICAL	W26.33°T0.52°	W13.30°T0.26°	
	5.0m		
	M95.0mm P=1.0		
	W132.0 X H120.5 X L298.5		
	APPROX 4170g		
RATURE RANGE	-10°C - 50°C		
Т	C		
	AGONAL DRIZONTAL ERTICAL	IS DC IRIS (Galvar DCUS MORTORIZED • PF DOM MORTORIZED • PF DOM MORTORIZED • PF DOM MORTORIZED • PF DER NOT WORKING 10-550mm 1/2" F3.8-360 AGONAL AGONAL W42.66°T0.86° DRIZONTAL W34.57°T0.69° ERTICAL W26.33°T0.52° S.0m M95.0mm P=1 W132.0 X H120.5 X APPROX 4170 CATURE RANGE -10°C - 50°C	

FOCUS/ZOOM

	FOCUS	ZOOM	2X EXTENDER
INPUT VOLTAGE	DC6V~DC12V		
CURRENT CONSUMPTION	40mAOR LESS	50mAOR LESS	40mAOR LESS
MOTORIZATION SPEED(12V)	APPROX.6 SEC.	APPROX.4 SEC.	APPROX.2 SEC.

ALITO FOCUS

A01010000	
INPUT VOLTAGE	DC12 ± 0.5V TBR mA
INPUT SIGNAL	VBS OR CVBS SIGNAL (NTSC or PAL)
CURRENT CONSUMPTION	IN AF WORKING: 300mA OR LESS, IN AF NOT WORKING: 140mA OR LESS
	AF ON:Low/0V, AF OFF:High/2-12V
AF ON/OFF	AF ON < or =1Sec: TEMPORARY AUTO FOCUS
	AF ON > 1Sec: CONSTANT AUTO FOCUS
OUTPUT OF AF CONDITION	AF DRIVE:Low/0V, AF STOP: OPEN COLLECTOR
TEMPORARY AUTO FOCUS:	AF becomes OFF(High/2-12V) after focusing by auto focus function
M/h = m + h = + t = m = m + A = ONL (1 = m + ONL) t = m	with the featuring is not completed within one contain times 15 accord

When the time of AF ON (Low/0V) input f the focusing is not completed within one certain time: 15 seconds, by a controller is 1 second or less, the focusing work is automatically stopped. (AF becomes OFF.) If AF ON is input by the controller for 1 second or less again before completing the focusing, the focusing work is stopped.

(AF becomes OFF.)

CONSTANT AUTO FOCUS:

The time of AF ON (Low/0V) input

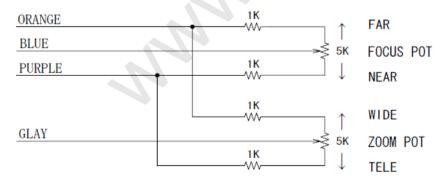
AF is remained ON (Low/0V) till AF is back to OFF(High/2-12V) by a controller. by a controller is more than 1 second, AF does not become OFF(High/2-12V) even though focusing by auto focus function is completed.

WIRING

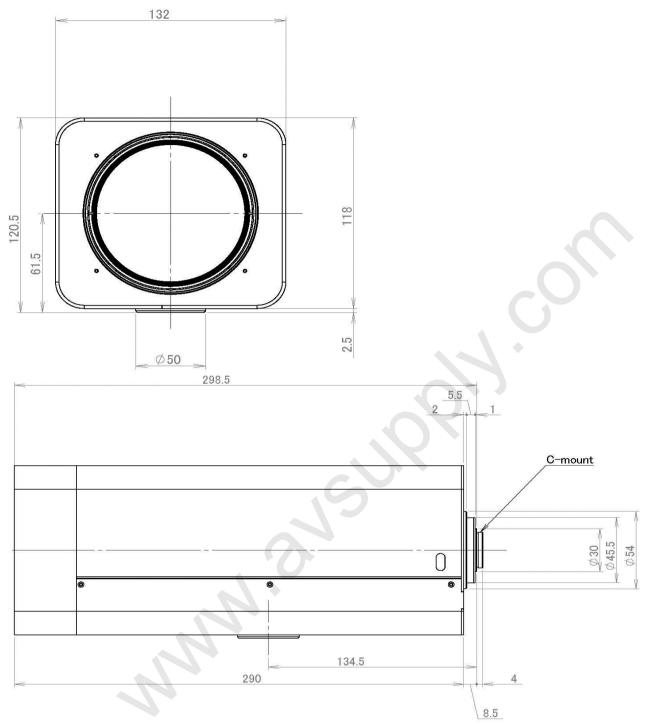
RED DAMPING COIL- 1 BLACK DAMPING COIL+ 2 WHITE DRIVING COIL+ 3 GREEN DRIVING COIL- 4 DIVE CABLE FOCUS/ZOOM/BUILT-IN x2 EXTENDER 2 CABLE COLOR PIN NO FOCUS N01 BLACK 1 + INF. NO2 RED 2 + NEAR ZOOM N03 WHITE 3 + TELE NO4 GREEN 4 + WIDE - - - 5 - - FOCUS POT.WIRE No6 BLUE 6 POT SUPPLY Resistance 5KQ ZOOM POT.WIRE No7 GRAY 7 POT SUPPLY (±5%) 1W *POWER (DC5V) IS SUPPLIED FROM INSIDE OF LENS BODY - 8 - - 8 - - 8 - AF ON/OFF Brown 9 - 8 - OUTPUT OF AF CONDITION WHITE/ BLACK 10 - - 8 MC WHITE/ RED 13 DC6-12V 40mA -	IRIS CABLE					
RED DAMPING COIL- 1 BLACK DAMPING COIL+ 2 WHITE DRIVING COIL+ 3 GREEN DRIVING COIL+ 3 JINVE CABLE FOCUS/ZOOM/BUILT-IN x2 EXTENDER FOCUS/ZOOM/BUILT-IN x2 EXTENDER CABLE COLOR PIN NO POLARITY DIRECTION FOCUS No1 BLACK 1 + INF. No2 RED 2 + NEAR ZOOM No3 WHITE 3 + TELE No4 GREEN 4 + WIDE - - - 5 - - FOCUS POT.WIRE No6 BLUE 6 POT SUPPLY Resistance 5KQ ZOOM POT.WIRE No7 GRAY 7 POT SUPPLY (±5%) 1W *POWER (DC5V) IS SUPPLIED FROM INSIDE OF LENS BODY - 8 - OUTPUT OF AF ON/OFF Brown 9 - - AF ON/OFF Brown 9 - - - NC WHITE/ RELACK 10 - - - NC WHITE/ RELACK <td>GALVANO AUTO IF</td> <td>RIS (DC)</td> <td></td> <td></td> <td></td>	GALVANO AUTO IF	RIS (DC)				
BLACK DAMPING COIL+ 2 WHITE DRIVING COIL+ 3 GREEN DRIVING COIL- 4 DIRVE CABLE FOCUS/ZOOM/BUILT-IN x2 EXTENDER PIN NO FOCUS CABLE COLOR PIN NO No2 RED 2 + No2 RED 2 + No2 RED 2 + No4 GREEN 4 + No4 GREEN 4 + VOMPOT.WIRE No6 BLUE 6 FOCUS POT.WIRE No7 GRAY 7 POWER (DC5V) IS SUPPLIED FROM INSIDE OF LENS BODY - * - 8 AF ON/OFF Brown 9 OUTPUT OF AF CONDITION WHITE/ RED 13 NC WHITE/ KED 13 DC6-12V 40mA EXTENDER BUILT-IN x2 WHITE/ RED 13 DC6-12V 40mA EXTENDER CABLE COLOR CONNECTION RED* POWER (DC12±0.5V) BLACK* GENERAL GROUND	CABLE COLOR	CONNECTION	PIN No		•DC IRIS LENS	
BLACK DAMPING COIL+ 2 WHITE DRIVING COIL+ 3 GREEN DRIVING COIL- 4 DIRVE CABLE FOCUS/ZOOM/BUILT-IN x2 EXTENDER CABLE COLOR PIN NO POLARITY DIRECTION No1 BLACK 1 + No2 RED 2 + No3 WHITE 3 + TELE No4 GREEN 4 - - 5 FOCUS POT.WIRE No6 BLUE 6 POT SUPPLY Resistance 5K2 ZOOM POT.WIRE No6 BLUE 6 POT SUPPLY (±5%) 1W * - 8 - 8 - - 8 - OUTPUT OF AF CONDITION WHITE/ BLACK 10 NC WHITE/RED 13 DC6-12V 40mA BUILT-IN x2 WHITE/RED 13 DC6-12V 40mA EXTENDER LIGHT GREEN 14 GENERAL GROUND RED* POWER (DC12±0.5V) BLACK* GENERAL GROUND	RED	DAMPING COIL-	1	3	CONNECTOR	
WHITE DRIVING COLL+ 3 JETA E4-1913-100: GREEN DRIVING COLL- 4 4 DIRVE CABLE CABLE COLOR PIN NO POLARITY DIRECTION FOCUS No1 BLACK 1 + INF. NO2 RED 2 + NEAR ZOOM No3 WHITE 3 + TELE NO4 GREEN 4 + WIDE - FOCUS POT.WIRE No6 BLUE 6 POT SUPPLY Resistance 5K9 ZOOM POT.WIRE No7 GRAY 7 POT SUPPLY (±5%) 1W *POWER (DCSV) IS SUPPLIED FROM INSIDE OF LENS BODY - 8 - - - 8 - - OUTPUT OF AF CONDITION WHITE/ BLACK 10 - - 8 NC WHITE/ RED 13 DC6-12V 40mA - - BUILT-IN x2 WHITE/ RED 15 - - - AUTO FOCUS POWER CABLE CONNECTION - - -<	BLACK	DAMPING COIL+			4 PIN CONNECTOR	
DIRVE CABLE FOCUS/ZOOM/BUILT-IN x2 EXTENDER FOCUS CABLE COLOR PIN NO POLARITY DIRECTION NO1 BLACK 1 + INF. No2 RED 2 + NEAR X00 N03 WHITE 3 + TELE No4 GREEN 4 + WIDE 5 FOCUS POT.WIRE No6 BLUE 6 POT SUPPLY Resistance 5KΩ ZOOM POT.WIRE No7 GRAY 7 POT SUPPLY (±5%) 1W *POWER (DC5V) IS SUPPLIED FROM INSIDE OF LENS BODY *POWER (DC5V) IS SUPPLIED FROM INSIDE OF LENS BODY *C WHITE/ BLACK 10 NC WHITE/ GREEN 11 NC WHITE/ GREEN 11 NC WHITE/ GREEN 14 GENERAL GROUND PURPLE 15 AUTO FOCUS POWER CABLE CABLE COLOR CONNECTION RED* POWER(DC12±0.5V) BLACK* GENERAL GROUND	WHITE	DRIVING COIL+	3	2 1	JEITA E4-191J-100:	
FOCUS/ZOOM/BUILT-IN x2 EXTENDER CABLE COLOR PIN NO POLARITY DIRECTION FOCUS No1 BLACK 1 + INF. No2 RED 2 + NEAR ZOOM No3 WHITE 3 + TELE No4 GREEN 4 + WIDE - - . 5 - - FOCUS POT.WIRE No6 BLUE 6 POT SUPPLY Resistance 5KQ ZOOM POT.WIRE No7 GRAY 7 POT SUPPLY (±5%) 1W *POWER (DC5V) IS SUPPLED FROM INSIDE OF LENS BODY - 8 - # FON/OFF Brown 9 - - OUTPUT OF AF CONDITION WHITE/ BLACK 10 - - NC WHITE/ RED 13 DC6-12V 40mA - EXTENDER LIGHT GREEN 14 - - GENERAL GROUND PUPPLE 15 - - AUTO FOCUS POWER CABLE CONNECTION - -	GREEN	DRIVING COIL-	4			
FOCUS/ZOOM/BUILT-IN x2 EXTENDER CABLE COLOR PIN NO POLARITY DIRECTION FOCUS No1 BLACK 1 + INF. No2 RED 2 + NEAR ZOOM No3 WHITE 3 + TELE No4 GREEN 4 + WIDE - - . 5 - - FOCUS POT.WIRE No6 BLUE 6 POT SUPPLY Resistance 5KQ ZOOM POT.WIRE No7 GRAY 7 POT SUPPLY (±5%) 1W *POWER (DC5V) IS SUPPLED FROM INSIDE OF LENS BODY - 8 - # FON/OFF Brown 9 - - OUTPUT OF AF CONDITION WHITE/ BLACK 10 - - NC WHITE/ RED 13 DC6-12V 40mA - EXTENDER LIGHT GREEN 14 - - GENERAL GROUND PUPPLE 15 - - AUTO FOCUS POWER CABLE CONNECTION - -						
FOCUS CABLE COLOR PIN NO POLARITY DIRECTION No1 BLACK 1 + INF. NO2 RED 2 + NEAR ZOOM No3 WHITE 3 + TELE No4 GREEN 4 + WIDE - - - 5 - - FOCUS POT.WIRE No6 BLUE 6 POT SUPPLY Resistance 5KQ ZOOM POT.WIRE No7 GRAY 7 POT SUPPLY Resistance 5KQ ZOOM POT.WIRE No7 GRAY 7 POT SUPPLY (±5%) 1W *POWER (DC5V) IS SUPPLIED FROM INSIDE OF LENS BODY - 8 - AF ON/OFF Brown 9 - - OUTPUT OF AF CONDITION WHITE/ BLACK 10 - - 8 NC WHITE/ RED 13 DC6-12V 40mA - - BUILT-IN x2 WHITE/ RED 14 - - - - GENERAL GROUND PURPLE 15 <td< td=""><td>DIRVE CABLE</td><td></td><td></td><td></td><td></td></td<>	DIRVE CABLE					
FOCUS No1 BLACK 1 + INF. NO2 RED 2 + NEAR ZOOM No3 WHITE 3 + TELE No4 GREEN 4 + WIDE - - 5 - FOCUS POT.WIRE No6 BLUE 6 POT SUPPLY Resistance 5KΩ ZOOM POT.WIRE No7 GRAY 7 POT SUPPLY Resistance 5KΩ ZOOM POT.WIRE No7 GRAY 7 POT SUPPLY Resistance 5KΩ ZOOM POT.WIRE No7 GRAY 7 POT SUPPLY Resistance 5KΩ ZOOM POT.WIRE No7 GRAY 7 POT SUPPLY (±5%) 1W *POWER (DCSV) IS SUPPLIED FROM INSIDE OF LENS BODY - 8 - AF ON/OFF Brown 9 - - 8 OUTPUT OF AF CONDITION WHITE/ BLACK 10 - - - - - - - - - - - - - - - - -	FOCUS/ZOOM/BUII			-		
No2 RED 2 + NEAR ZOOM No3 WHITE 3 + TELE No4 GREEN 4 + WIDE - - 5 - FOCUS POT.WIRE No6 BLUE 6 POT SUPPLY Resistance 5KΩ ZOOM POT.WIRE No7 GRAY 7 POT SUPPLY Resistance 5KΩ ZOOM POT.WIRE No7 GRAY 7 POT SUPPLY (±5%) 1W *POWER (DC5V) IS SUPPLIED FROM INSIDE OF LENS BODY - 8 - *FON/OFF Brown 9 - - 8 AF ON/OFF Brown 9 -				POLARITY		
ZOOM No3 WHITE 3 + TELE No4 GREEN 4 + WIDE - - 5 - FOCUS POT.WIRE No6 BLUE 6 POT SUPPLY Resistance 5KΩ ZOOM POT.WIRE No7 GRAY 7 POT SUPPLY Resistance 5KΩ ZOOM POT.WIRE No7 GRAY 7 POT SUPPLY (±5%) 1W *POWER (DC5V) IS SUPPLIED FROM INSIDE OF LENS BODY - 8 - *POWER (DC5V) IS SUPPLIED FROM INSIDE OF LENS BODY - 8 - OUTPUT OF AF CONDITION WHITE/ BLACK 10 - - NC WHITE/ GREEN 11 - - - NC WHITE/ RED 13 DC6-12V 40mA - BUILT-IN x2 EXTENDER UIGHT GREEN 14 DC6-12V 40mA - GENERAL GROUND PUWER (DC12±0.5V) BLACK* GENERAL GROUND - -	FOCUS			+		
No4 GREEN 4 + WIDE - - 5 FOCUS POT.WIRE No6 BLUE 6 POT SUPPLY Resistance 5KΩ ZOOM POT.WIRE No7 GRAY 7 POT SUPPLY Resistance 5KΩ ZOOM POT.WIRE No7 GRAY 7 POT SUPPLY (±5%) 1W *POWER (DC5V) IS SUPPLIED FROM INSIDE OF LENS BODY - 8 - *POWER (DC5V) IS SUPPLIED FROM INSIDE OF LENS BODY - 8 - OUTPUT OF AF CONDITION WHITE/ BLACK 10 - - NC WHITE/ BLACK 10 - - - NC WHITE/ RED 13 DC6-12V 40mA - BUILT-IN x2 EXTENDER UIGHT GREEN 14 DC6-12V 40mA GENERAL GROUND PURPLE 15 - AUTO FOCUS POWER CABLE CONNECTION - CABLE COLOR CONNECTION - - RED* POWER(DC12±0.5V) - - BLACK* GENERAL GROUND - - <td></td> <td></td> <td></td> <td>+</td> <td></td>				+		
- - 5 FOCUS POT.WIRE No6 BLUE 6 POT SUPPLY Resistance 5KΩ ZOOM POT.WIRE No7 GRAY 7 POT SUPPLY (±5%) 1W *POWER (DC5V) IS SUPPLIED FROM INSIDE OF LENS BODY - 8 AF ON/OFF Brown 9 OUTPUT OF AF CONDITION WHITE/ BLACK 10 NC WHITE/ GREEN 11 NC WHITE/ RED 13 BUILT-IN x2 WHITE/ RED 13 EXTENDER LIGHT GREEN 14 GENERAL GROUND PURPLE 15 AUTO FOCUS POWER CABLE CONNECTION RED* POWER(DC12±0.5V) BLACK* GENERAL GROUND	ZOOM			+		
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ZOOM POT.WIRE No7 GRAY 7 POT SUPPLY (±5%) 1W *POWER (DC5V) IS SUPPLIED FROM INSIDE OF LENS BODY - 8 - - 8 - - 0 - 0 - 0 - <	-	-				
*POWER (DC5V) IS SUPPLIED FROM INSIDE OF LENS BODY *POWER (DC5V) IS SUPPLIED FROM INSIDE OF LENS BODY AF ON/OFF Brown 0UTPUT OF WHITE/ BLACK AF CONDITION WHITE/ BLACK NC WHITE/ GREEN NC WHITE/ RED BUILT-IN x2 WHITE/ RED EXTENDER LIGHT GREEN LIGHT GREEN 14 GENERAL GROUND PURPLE AUTO FOCUS POWER CABLE CABLE COLOR CONNECTION RED* POWER(DC12±0.5V) BLACK* GENERAL GROUND						
AF ON/OFF Brown 9 OUTPUT OF AF CONDITION WHITE/ BLACK 10 NC WHITE/ GREEN 11 NC WHITE/ YELLOW 12 BUILT-IN x2 EXTENDER WHITE/ RED 13 DC6-12V 40mA GENERAL GROUND PURPLE 15 AUTO FOCUS POWER CABLE CABLE COLOR CONNECTION RED* POWER(DC12±0.5V) BLACK* GENERAL GROUND				POT SUPPLY	(±5%) 1W	
AF ON/OFFBrown9OUTPUT OF AF CONDITIONWHITE/ BLACK10NCWHITE/ BLACK10NCWHITE/ GREEN11NCWHITE/ YELLOW12BUILT-IN x2 EXTENDERWHITE/ RED13DC6-12V 40mA14GENERAL GROUNDPURPLE15AUTO FOCUS POWER CABLECABLE COLORCONNECTIONRED*POWER(DC12±0.5V)BLACK*GENERAL GROUND	*POWER (DC5V) IS	S SUPPLIED FROM	I INSIDE OF LENS BODY			
OUTPUT OF AF CONDITIONWHITE/ BLACK10NCWHITE/ GREEN11NCWHITE/ YELLOW12BUILT-IN x2WHITE/ RED13EXTENDERLIGHT GREEN14GENERAL GROUNDPURPLE15AUTO FOCUS POWER CABLECABLE COLORCONNECTIONRED*POWER(DC12±0.5V)BLACK*GENERAL GROUND		-				
AF CONDITIONWHITE/ BLACK10NCWHITE/ GREEN11NCWHITE/ YELLOW12BUILT-IN x2WHITE/ RED13EXTENDERLIGHT GREEN14GENERAL GROUNDPURPLE15AUTO FOCUS POWER CABLECABLE COLORCONNECTIONRED*POWER(DC12±0.5V)BLACK*GENERAL GROUND		Brown	9			
NCWHITE/ YELLOW12BUILT-IN x2WHITE/ RED13EXTENDERLIGHT GREEN14GENERAL GROUNDPURPLE15AUTO FOCUS POWER CABLECABLE COLORCONNECTIONRED*POWER(DC12±0.5V)BLACK*GENERAL GROUND		WHITE/ BLACK	10			
BUILT-IN x2 EXTENDERWHITE/ RED13 DC6-12V 40mABUILT-IN x2 EXTENDERLIGHT GREEN14GENERAL GROUNDPURPLE15AUTO FOCUS POWER CABLECABLE COLORCONNECTION POWER(DC12±0.5V)BLACK*GENERAL GROUND	NC	WHITE/ GREEN	11			
EXTENDER LIGHT GREEN 14 GENERAL GROUND PURPLE 15 AUTO FOCUS POWER CABLE CABLE COLOR CONNECTION RED* POWER(DC12±0.5V) BLACK* GENERAL GROUND	NC	WHITE/ YELLOW	12			
EXTENDER LIGHT GREEN 14 GENERAL GROUND PURPLE 15 AUTO FOCUS POWER CABLE CABLE COLOR CONNECTION RED* POWER(DC12±0.5V) BLACK* GENERAL GROUND	BUILT-IN x2	WHITE/ RED	13		21/40mA	
AUTO FOCUS POWER CABLE CABLE COLOR CONNECTION RED* POWER(DC12±0.5V) BLACK* GENERAL GROUND	EXTENDER	LIGHT GREEN	14	0001	2 V 4011A	
CABLE COLORCONNECTIONRED*POWER(DC12±0.5V)BLACK*GENERAL GROUND	GENERAL GROUND	PURPLE	15			
RED*POWER(DC12±0.5V)BLACK*GENERAL GROUND	AUTO FOCUS POV	VER CABLE				
BLACK* GENERAL GROUND	CABLE COLOR		CONNECTION			
	RED*	POWER(DC12±0.5V)				
THIS TWO CABLES ARE CONNECTED ON 2PIN CONNECTOR: HIROSE HR-10A-7R-4P	BLACK	GENERAL GROUND				
	*THIS TWO CABLE	S ARE CONNECT	ED ON 2PIN CONNECTOR: HIROSE	HR-10A-7R-4P		

PRESET(POTENTIO wiring)

*POWER (DC5V) IS SUPPLIED FROM INSIDE OF LENS BODY



APPEARANCE



2011.06 Kenko Tokina