

# J58 large double barrel technical specifications

Date: 2023/4/12

	J58TA-DF	J58YA-DF	tolerance	
Optics	Magnification(X)	8	10	±5%
	Objective lens diameter (mm)	32	42	±0.5mm
	Eyepiece diameter (mm)	22	22	±0.5mm
	Exit pupil diameter (mm)	4	4.2	±10%
	Exit pupil distance (mm)	19.3	18.8	+5 to -0.5mm
	Launch aperture(mm)	10	10	±5%
	Receiving aperture(mm)	32	42	±0.5mm
	Field of view (°)	6	4	±5%
	1000 meters visible range (m)	105	70	±5%
	Close focus distance (m)	3.5	7	±5%
	Laser divergence angle (mrad)	3	3	±5%
	Aiming accuracy (m<sup>°</sup>)	target@500<0.1	target@500<0.1	<0.1°
	transmittance	>80%(NO OLED)	>80%(NO OLED)	-
	center resolution	10"	10"	maximum value
Diopter adjustment(D)	+5~-5	+5~-5	-5/+L225dpt	
structure	visual zero point mark	have	have	-
	Binocular eyepieces with adjust	Adjustable visibility on both sides	Adjustable visibility on both sides	-
	Binocular distance (shaft structure) (mm)	Adjustable (≥58~<72)	Adjustable (≥58~<72)	±2
	Eye patch segment sense	have	have	-
	Binocular distance breaking fo	7~14	7~14	±1
	Eyepiece protective cover	Yes (left and right)	Yes (left and right)	-
	Objective lens protective cover	Yes (left and right)	Yes (left and right)	-
	Lanyard hole	Yes (both sides)	Yes (both sides)	-
	Battery direction mark	There is a battery compartment mark +- direction	There is a battery compartment mark +- direction	-
	Display type	Reflective OLED	Reflective OLED	-
Nitrogen filling	Double valve nitrogen pressure	Double valve nitrogen pressure	-	
electronic	Mode button	have	have	-
	switch button	have	have	-
	Ranging range (m) (building)	10~1500/2000/2500	10~1500/2000/2500/3000	min-max
	Measuring range of leaves (m)	≈800/≈1200/1400/≈1600	≈800/≈1200/1400/≈1600	minimum value
	Deer detection range (m)	≈500/≈600/≈700/≈800	≈500/≈600/≈700/≈800	minimum value
	Ranging accuracy (m) (buildin	①≤1000m±1m ② >1000m,±(d*0.3%)	①≤1000m±1m ②>1000m,±(d*0.3%)	maximum value
	Ranging response time (S (m))	1:<0.3 (≤400) 2:<0.7 (400~1000) 3:<1.5 (1000~2000) 4:<3 (3000)	1:<0.3 (≤400) 2:<0.7 (400~1000) 3:<1.5 (1000~2000) 4:<3 (3000)	maximum value
	Inclination range (°)	±60 (adjustable to ±90)	±60 (adjustable to ±90)	minimum value
	Inclination accuracy (°)	±1	±1	-
	Rain and fog mode	None (reserve optional)	None (reserve optional)	-
	final target mode	yes	yes	-
	Yard/meter switching	have	have	-
	Display brightness adjustment	none	none	-
	Low battery indicator	There are /3 levels	There are /3 levels	-
	Display auto-off(S)	8	8	-
	Laser type (nm)	905(class 1 laser)	905(class 1 laser)	-
	battery model	CR2 battery (capacity 800mAh)	CR2 battery (capacity 800mAh)	-
	Power consumption (W)	<1.5w	<1.5w	min-max
	Bluetooth	None (Bluetooth, azimuth, and GPS reservation can be selected)	None (Bluetooth, azimuth, and GPS reservation can be selected)	-
	Azimuth angle (°)	None (Bluetooth, azimuth, and GPS reservation can be selected)	None (Bluetooth, azimuth, and GPS reservation can be selected)	-
GPS	None (Bluetooth, azimuth, and GPS reservation can be selected)	None (Bluetooth, azimuth, and GPS reservation can be selected)	-	
Function	M1: distance measurement + angle measurement; M2: distance measurement + level measurement; M3: distance measurement + height measurement	M1: distance measurement + angle measurement; M2: distance measurement + level measurement; M3: distance measurement + height measurement	-	
Reliability test	Protection level	IP67	IP67	-

Package	Battery included	yes	yes	-
	Operating Instructions	Include	Include	-
	Product Serial Number	Include	Include	-
	CE laser safety grade label	Include	Include	-
	shrink wrap	yes	yes	-
	commercial sales packaging	Include	Include	-
	Packaging Materials	recyclable	recyclable	-
	Product size (mm)	150*135*65	175*135*65	±0.1
	lanyard			
other	Product weight (g)	≈945g (including battery)	≈1011	maximum value
	warranty period	1 year	1 year	-
	country of origin	China	China	-
	Exterior color	Default black (others need to be customized)	Default black (others need to be customized)	-



