



# FARO FOCUS S150



## RANGE

Unambiguity interval	Upto 150 m
	614 m for up to 0.5 MPts/s
	307 m at 1 MPts/sec
	153 m at 2 Mpts/sec

## RANGE NOISE

White, 90% Reflectivity	0.1 mm @ 10 m, 0.2 mm @ 25 m
Dark-grey, 10% Reflectivity	0.3 mm @ 10 m, 0.4 mm @ 25 m
Black, 2% Reflectivity	0.7 mm @ 10 m, 1.2 mm @ 25 m
Max Speed	Up to 2 MPts/sec
3D Accuracy	2 mm @ 10 m, 3.5 mm @ 25 m
Ranging Error	±1 mm
Angular Accuracy	19 arcsec
LaserHDR	Yes
Temperature Range	Operating: +5 ° to +40 °C, Extended Operating: -10 ° to +55 °C, Storage: -10 ° to +60 °C

## RANGE

White, 90% Reflectivity	0.5 – 150 m
Dark-grey, 10% Reflectivity	0.5 – 150 m
Black, 2% Reflectivity	0.5 – 50 m

## COLOR UNIT

Color Resolution	Up to 266 MPx color
Raw Color Resolution	867 Mpx
HDR Camera	13 MPx - 2x, 3x, 5x brackets
Parallax	Minimized due to co-axial design

## DEFLECTION UNIT

Field of View	300° vertical / 360° horizontal
Step Size	0.009° (40,960 Pts on 360°) vertical / 0.009° (40,960 Pts on 360°) horizontal
Max. Scan Speed	97 Hz (vertical)

## LASER ( OPTICAL TRANSMITTER )

Laser Class	Laser Class 1
Wavelength	1553.5 nm
Beam Divergence	0.3 mrad (1/e)
Beam Diameter at Exit	2.12 mm (1/e)

## DATA HANDLING AND CONTROL

Data Storage	SATA 3.0 SSD 128 GB and SDXC™ V30 64 GB SD Card; SD3.0, UHS-I / SDXC™ / SDHC™, max. 512 GB
Scanner Control	Via touch screen display and WLAN connection, Control by FARO Stream App (iOS & Android) or mobile devices with HTML5
Equipment Calibration	Yearly