



Nikon COOLSHOT 80i VR/COOLSHOT 80 VR Laser Rangefinders for Golfing

October 6, 2016

Nikon Vision Co., Ltd., a subsidiary of Nikon Corporation, is pleased to announce the release of COOLSHOT 80i VR and COOLSHOT 80 VR Laser Rangefinders — the innovative Laser Rangefinder models employing an optical VR (Vibration Reduction) function.



COOLSHOT 80i VR



COOLSHOT 80 VR

Employing Nikon's Vibration Reduction system, vibrations of the image in the viewfinder caused by hand movement (sinusoidal waves) are reduced to approx. 1/5 or less, based on Nikon's measurement standards. With the subject in the viewfinder staying stable, it is easy to aim at the target at the centre of the target mark. The irradiated laser is also aligned at the same time, so you can hit the target faster and easier. This technology remarkably improves the ease of measuring, and reduces errors such as measuring to a different subject or the laser beam not hitting the subject. It realises speedy measurement to farther, smaller subjects, such as a flagstick, without stress.

Both the COOLSHOT 80i VR and COOLSHOT 80 VR offer a multilayer-coated 6x high-quality finder for bright, clear images. Thanks to Nikon's original data-processing algorithm HYPER READ, the measured distance is displayed with a fast, stable response regardless of how far you are from the target. The measurement result is shown in approx. 0.5 second, enabling you to focus on your game with stress-free measurement.

Both models employ the First Target priority mode, which is useful for measuring the distance to a flagstick on a green with woods in the background during approach shots. In addition, a new function, LOCKED ON Technology, is provided with these new models to inform you as the distance to the First Target is displayed. When measuring

overlapping subjects, and the distance to the closest subject is displayed by First Target Priority Algorithm, the LOCKED ON sign appears in the viewfinder to inform you. It is clearly visible that the distance to the flagstick has been measured even with trees in the background.



Simulated viewfinder
image when measuring to a flagstick with woods in the background.



Simulated viewfinder

image when measuring to woods in the background.

The COOLSHOT 80 VR is designed exclusively for measuring actual distance while the COOLSHOT 80i VR incorporates ID Technology which displays the slope adjusted distance (Horizontal distance \pm height), making it ideal for use on golf courses with uphill and downhill slopes.

For all these features, the Nikon COOLSHOT 80i VR and COOLSHOT 80 VR are easy to operate and compactly designed to ensure a comfortable grip and portability. What's more, their waterproof and fogproof structure (battery chamber is rainproof) means they are ready for use in case of sudden rain.

Key Features

- Measurement range: 7.5-915m/8-1,000 yd.
- VR (Vibration Reduction) function is employed for reducing the vibration caused by hand movement.

The effect of Vibration Reduction: Vibrations of the image in the viewfinder caused by hand movement (sinusoidal waves) are reduced to approx. 1/5 or less.*¹

- *1Based on Nikon's measurement standards.
- Easy operation as the VR (Vibration Reduction) function is always activated when the Laser Rangefinder is ON
- LOCKED ON Technology*2: LOCKED ON sign informs you of the distance to the closest subject.

When measuring overlapping subjects, the distance to the closest subject is displayed with a LOCKED ON sign in the viewfinder. For example, on a golf course, it is clearly visible that the distance to the flagstick has been measured even with trees in the background.

- *2Single measurement: When measuring overlapping subjects and the distance to the closest subject is displayed, the LOCKED ON sign appears.
Continuous measurement: When displayed figures shift to a closer subject, the LOCKED ON sign appears.
- First Target Priority mode is employed.
When measuring overlapping subjects, the distance of the closest subject is displayed — useful when golfing for measuring the distance to a flagstick on a green with woods in the background.
- Golf mode displays the slope adjusted distance (Horizontal distance \pm Height) which is a guide to how far you should hit the ball and useful when golfing on an uphill/downhill course — ID (incline/decline) Technology (COOLSHOT 80i VR only)
- Quick and stable measurement response regardless of distance — HYPER READ
- Displays the measurement result in approx. 0.5 second
- Distance measurement display step: 0.5m/yd.
- Single or continuous measurement (up to 8 seconds)
- High-quality 6x monocular with multilayer coating for bright, clear images
- Large ocular for easy viewing (18mm)
- Wide field of view (7.5 degrees)
- Long eye relief design affords eyeglass wearers easy viewing
- Dioptre adjustment function
- Compact body design for comfortable holding
- Waterproof (up to 1m/3.3 ft for 10 minutes) and fogproof, but not designed for underwater usage; the battery chamber is rainproof
- Wide temperature tolerance: -10°C to +50°C/14°F to 122°F

Specifications

	COOLSHOT 80i VR	COOLSHOT 80 VR
Measurement range (actual distance)	7.5-915m/8-1,000 yd.	7.5-915m/8-1,000 yd.
Distance display (increment)	Actual distance (upper): Every 1m/yd. Actual distance (lower): Every 0.5m/yd. Horizontal distance/ Slope adjusted distance (lower): Every 0.2m/yd. Height (upper): Every 0.2m/yd. (shorter than 100m/yd.) Every 1m/yd. (100m/yd. and over)	Actual distance: Every 0.5m/yd.
Accuracy*³ (actual distance)	±0.75m/yd. (shorter than 700m/yd.) ±1.25m/yd. (700m/yd. and over)	±0.75m/yd. (shorter than 700m/yd.) ±1.25m/yd. (700m/yd. and over)
Magnification (x)	6	6
Effective objective diameter (mm)	21	21
Actual field of view(°)	7.5	7.5
Exit pupil (mm)	3.5	3.5
Eye relief (mm)	18.0	18.0
Dimensions (L x H x W) (mm/inch)	99 x 75 x 48/3.9 x 3.0 x 1.9	99 x 75 x 48/3.9 x 3.0 x 1.9
Weight (excluding battery) (g/oz.)	200/7.1	200/7.1

	COOLSHOT 80i VR	COOLSHOT 80 VR
Power source	CR2 lithium battery x 1 (DC 3V) Auto power shut-off (after approx. 8 s unoperated)	CR2 lithium battery x 1 (DC 3V) Auto power shut-off (after approx. 8 s unoperated)
Laser classification	IEC60825-1: Class 1M/Laser Product FDA/21 CFR Part 1040.10: Class I Laser Product	IEC60825-1: Class 1M/Laser Product FDA/21 CFR Part 1040.10: Class I Laser Product
Electromagnetic compatibility	FCC Part15 SubPartB class B, EU:EMC directive, AS/NZS, VCCI classB, CU TR 020	FCC Part15 SubPartB class B, EU:EMC directive, AS/NZS, VCCI classB, CU TR 020
Environment	RoHS, WEEE	RoHS, WEEE

- *3Under Nikon's measurement conditions.

The specifications of the product may not be achieved depending on the target object's shape, surface texture and nature, and/or weather conditions.