



QED

YOUR GOLF RE-ENGINEERED

 UNEKOR

**QED is where passion meets precision. Advanced mathematics mingle with hyper-precise sensors - capturing crystal clear moments in time. High-speed photos of your club and ball spin recite every aspect of your swing. Enhanced graphics reveal a vivid world in the finest detail.**

**Contact:  
For any inquires on QED products, please email:  
[sales@uneekor.com](mailto:sales@uneekor.com)**

## WHAT IS QED?

QED is an initialism of the Latin phrase “**quod erat demonstrandum**” meaning “what is proven or demonstrated.”

### Golf Simulation with Cutting Edge Technology

- Provides authentic swing experience to enhance performance
- Verified data results in productive practice and accurate fitting
- Multiple practice modes for endless entertainment

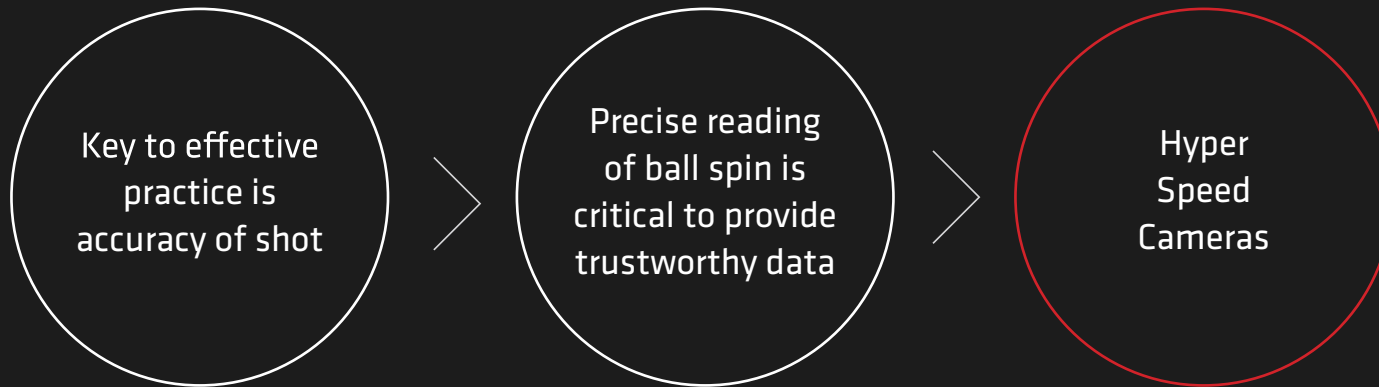
### Any Golfer Can Unlock Confidence in Every Swing

- Shot skills and training > Driving Range and Complex
- Accurate fitting > Precise Photometric Data
- Course management and prep for round > Stroke Play Mode > Course Practice Mode

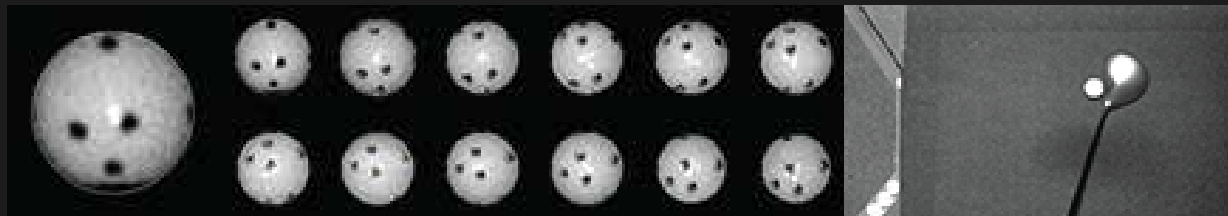


# Unparalleled Accuracy of Cutting-edge Hyper Speed Cameras

## Quality Device Hardware



**Equipped with (2) Ultra High Speed Cameras, ( $\geq 3000$  fps each) we provide real-time footage of ball spin, club path and true impact**



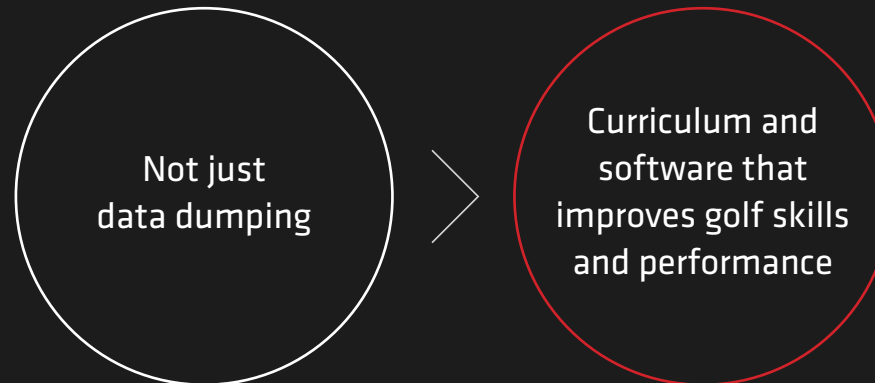
\*Ball spin 3837 rpm

\*Club speed 87 mph

# What to do with accurate data?

Delivering the right data to drive continuous self-improvement

<b>Total</b> 261.5 yd	<b>Carry</b> 247.9 yd	<b>Run</b> 13.1 yd	<b>Ball Speed</b> 154.1 mph	<b>Club Speed</b> 107.1 mph	<b>Smash Factor</b> 1.44	<b>Launching Ang.</b> 11.7 deg
<b>Flight Time</b> 7.6 sec	<b>Side</b> 9 yd	<b>Side Total</b> 9.5 yd	<b>Face Ang.</b> close1.1 deg	<b>Club Path</b> inout0.4 deg	<b>Face to Path</b> close1.5	<b>Side Ang.</b> R 1.0 deg
<b>Apex</b> 101.5 ft	<b>Dist. to Ang.</b> 168.4 yd	<b>Land. Ang.</b> 39.3 deg	<b>Back Spin</b> 3222 rpm	<b>Side Spin</b> 275 rpm	<b>Spin Rate</b> 3233.7 rpm	<b>Spin Axis</b> 4.9 deg



WHY QED? - T. Technology

# QED OPTIX: Validated Photographic Technology

**Ball/Club Data**

CLUB PATH	CLUB SPEED	FACE ANGLE	BACK SPIN	SIDE SPIN
OUT-IN 2.5 °	44.7 mph	CLOSE 1.9 °	2197 rpm	R200 rpm

3D Visualization Metrics:

- 2197 rpm BACK SPIN
- 29.9 ° LAUNCH ANGLE
- 1.9 ° FACE ANGLE
- R200 rpm SIDE SPIN
- 1.9 ° SIDE ANGLE

Control Panel:

- Speed Multiplier: X1.0, X0.8, X0.6, X0.4, X0.2 (Selected)
- Buttons: MENU, TEE BOX, F8, F9

Right Panel Summary:

- Ball Speed: 32.2 mph
- Club Speed: 44.7 mph
- Smash Factor: 0.72
- Side Angle: 1.9
- Launch Angle: 29.9
- Back Spin: 2197 rpm
- Side Spin: R 200 rpm
- Face Angle: CLOSE 1.9
- Club Path: OUT-IN 2.5

WHY QED? - D. Design

# (1) Unrivalled Graphic Quality and User Friendly Interface



## (2) Unrivalled Graphic Quality and User Friendly Interface

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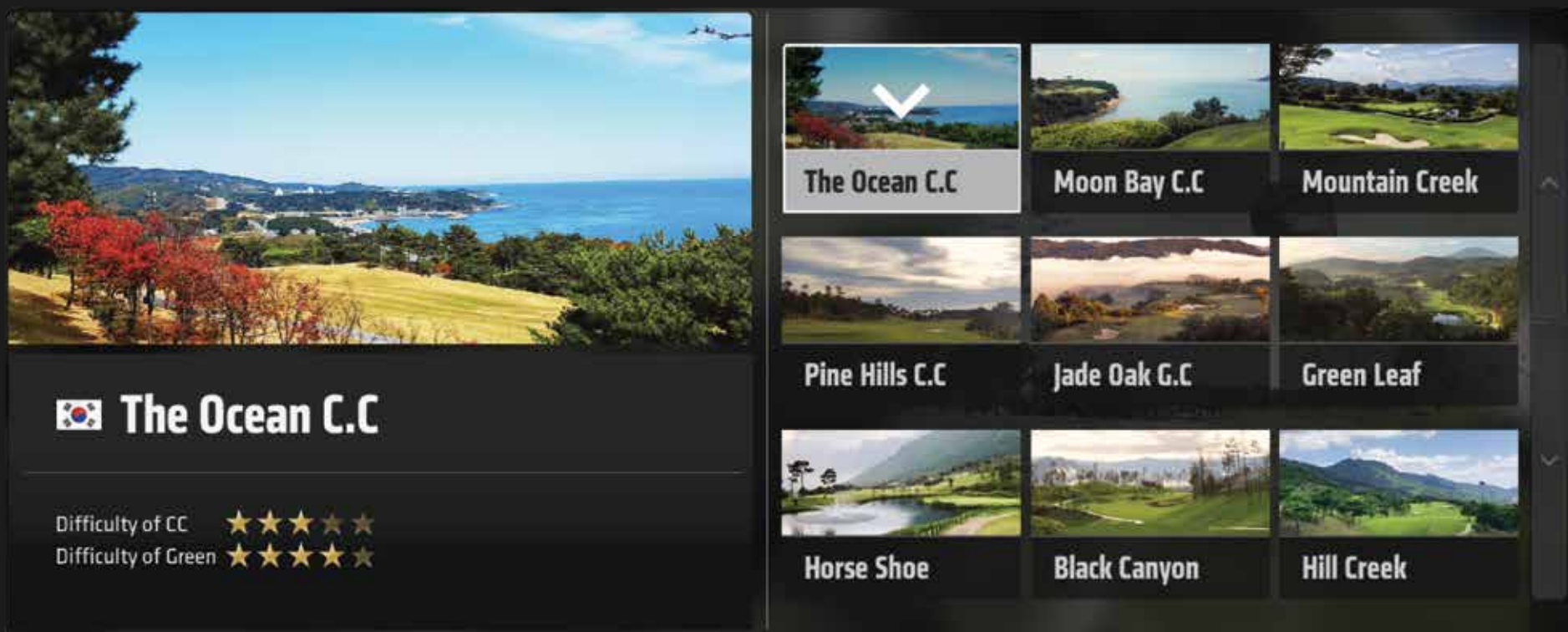
### MODE





### (3) Unrivalled Graphic Quality and User Friendly Interface

## SELECT COURSE TO PRACTICE



**HARDWARE**

**QED BAR**

- Ceiling-mount installation
- Dual high-speed camera system
- Embedded with QED Ignite

**SOFTWARE UPGRADES**

**QED IGNITE**

- QED OPTIX: Validated Photographic Technology providing actual club impact and ball spin videos of each shot
- Fitting data
- 3D Driving range
- Swing Motion Analysis Tool (\*option to purchase (2) add on cameras)

**QED REFINE**

- QED OPTIX: Validated Photographic Technology providing actual club impact and ball spin videos of each shot
- Fitting data
- 3D Driving range
- Swing Motion Analysis Tool (\*option to purchase (2) add on cameras)
- Stroke Play: Total 5, 18-hole golf courses for up to 6 players
- Course Practice: On course practice mode for an individual player
- Driving Range: Lake Range & Targeting Range
- Short Game Training: Approach & Putting

**QED SUCCEED**

- QED OPTIX: Validated Photographic Technology providing actual club impact and ball spin videos of each shot
- Fitting data
- 3D Driving range
- Swing Motion Analysis Tool (\*option to purchase (2) add on cameras)
- Course Practice: On course practice mode for an individual player
- Driving Range: Lake Range & Targeting Range
- Short Game Training: Approach & Putting
- Stroke Play: Total 20, 18-hole golf courses for up to 6 players

\* The Uneekor hardware and software program offerings and product specifications are subject to change without prior notice. Please contact us for more details.

## DETAILS

# QED Bar Specifications

### SPECIFICATIONS

ITEMS	CONTENTS	
Compositions (Components)	Hyper Speed Cameras ≥ 3000 fps each	2
	Infrared LED Board	2
	Control Board	1
Data Interface	Ethernet	
Communication Speed	1Gbps	
Spin	Top Spin 12,000 ~ Back Spin 12,000	
Measurement Range	Ball Speed	Putter: 0.1 m/s ~ 30 m/s Driver/Iron: 5 m/s ~ 100 m/s
	Sensing Angle	Driver: -5 ~ 50 degree
		Iron: 0.1 ~ 80 degree

### PC REQUIREMENTS

- Recommended

PC	CPU	Intel i5 8400 or higher
	RAM	8GB
	Graphics	GeforceGTX 1060
	OS	Windows 10 (64bit)
	Resolution	Full HD

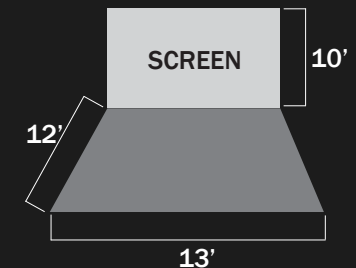
## Features

- Equipped with (2) Hyper Speed Cameras ≥ 3000 fps, which also produce a stereoscopic effect
- Directly reads both ball and club thru sensors
- Superior accuracy to equivalent sensor technology on the market  
(Conducted comparison test with GCQuad, Trackman, and About Golf sensors)
- Provides real-time footage of club and ball at impact
- Swing freely with ceiling mount implementation

## Ideal Space Requirements

- Swing area = 13' diameter with player in the center
- Ceiling height = 10'
- Player's distance from hitting screen = 12' or more

Note: More details on the optimal position for QED Bar and lighting could be provided upon request.





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