SPECIAL PIE

H20 Laser Shooting Training Retrofit Kit

Application

-Military police and shooting training

-IPSC-IPDA competitive shooting training

-National Defense Education Base

-Other shooting enthusiast

The H20 Laser Training Kit is a highly effective and low-cost interactive laser shooting solution that includes a laser signal receiver, a shooting software (with 25 professional shooting stages), **a laser training pistol,** and other necessary components.

Users can install the shooting software on their own Windows computer, which connects to a projector via an HDMI cable. Then use the laser training pistol to do laser shooting training.

H20 **provides law enforcement agencies and shooters with a variety of shooting stages,** improving the safety and effectiveness of shooting training and saving training costs and time as well.

Product features

1. **Comprehensive Shooting Software**

- 25 training stages designed according to IPSC & IDPA rules.

- Variety of Targets, including cardboard, pop-up, swing, and moving targets for realistic training.

-Auto-scoring: it will automatically detect the ACD area of shooting, number of shots fired, number of misfired shots, and total firing time.

- Progressive Difficulty with training levels range from beginner to advanced.

2. **Easy Setup**

No special Settings are required; you just need to run auto-calibration of the system for the first time using the system. Then the software will run automatically next time you turn on the computer. No need to do other settings anymore for later use.

Recalibration is only needed when the resolution of the computer, the position of the projector, or the location of the laser receiver has been changed.

3. **Indoor & Cost-Effective**

Create an affordable personal or professional laser shooting range for shooters, with their own Windows computer and projector.
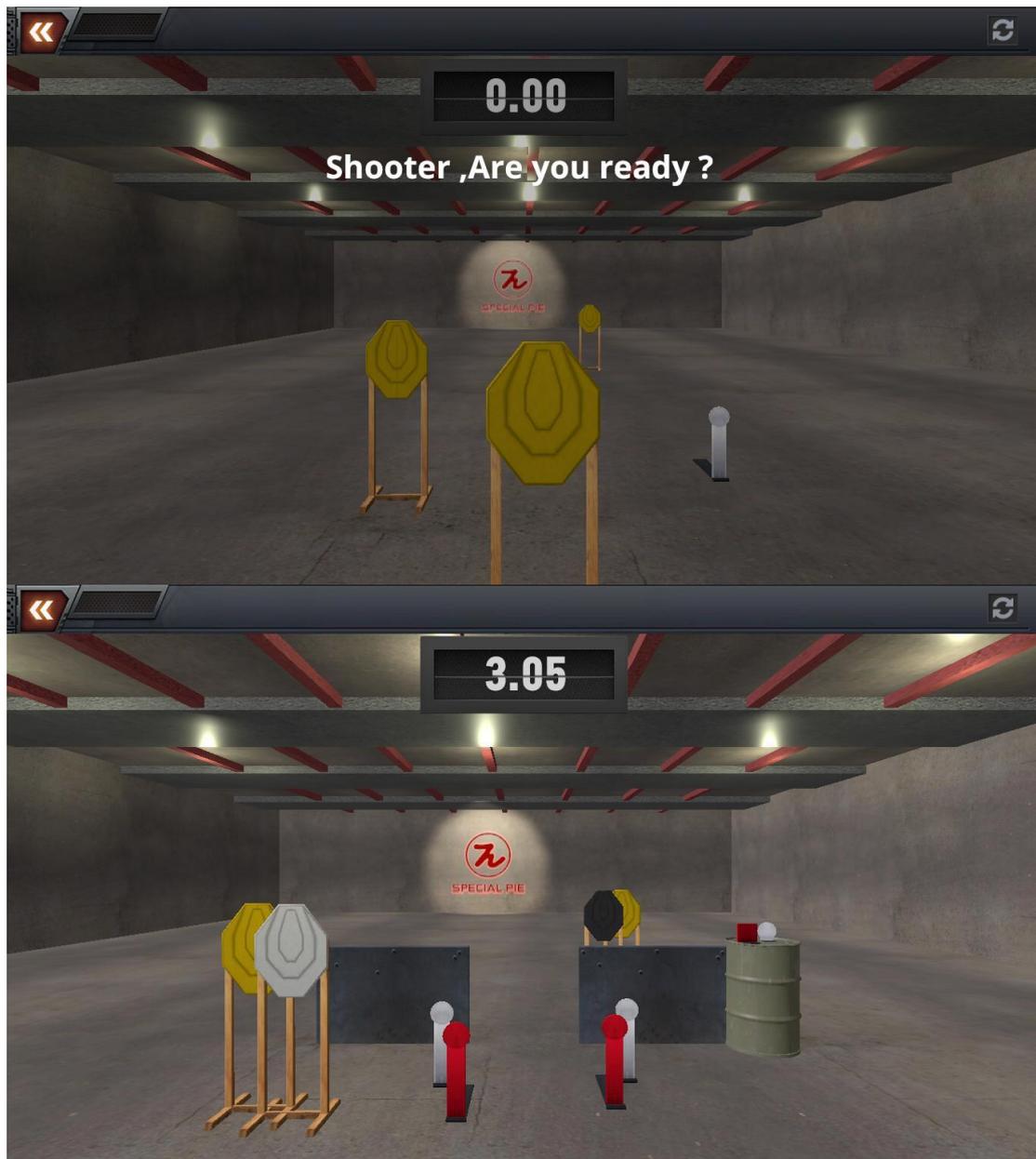
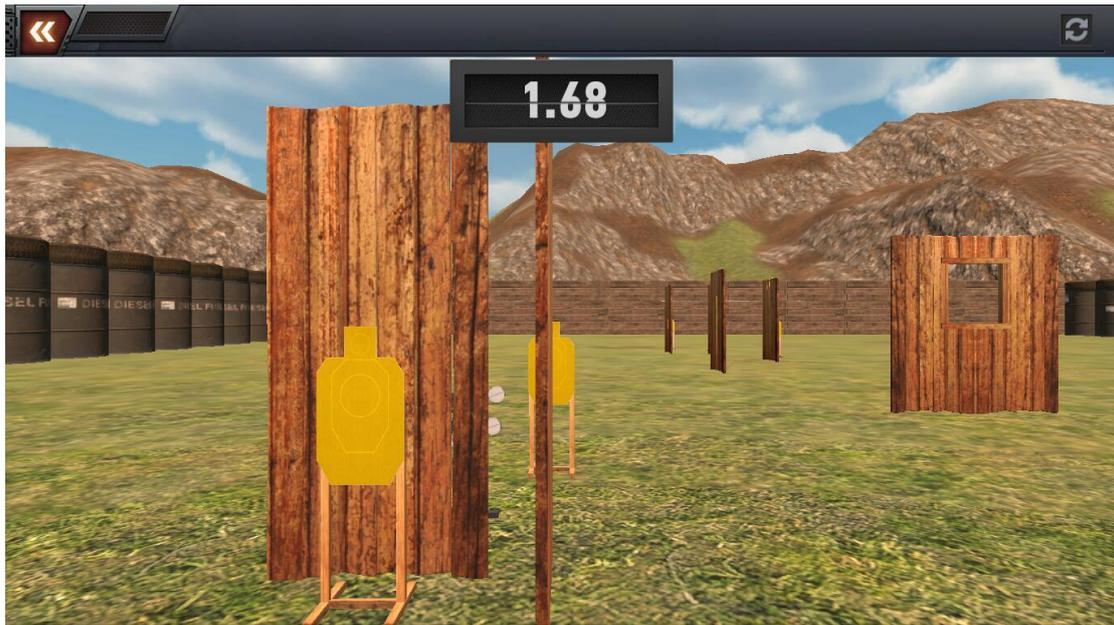4. **Safe & Ammunition-Free** – Train anytime without the need for live ammo.

5. **University**

H20 Kit is compatible with most laser shooting simulator/training pistols in the market; it is not required to use the Special Pie laser pistols only.

The software is developed based on the rules of IPSC, IDPA, and tactical shooting training, which can fulfill both precise shooting and speed shooting demands.

Software Interfaces

Application

Technical Specification

H20 Laser Signal Receiver	
Optimum distance	1.5-3.5M (to the projection surface)
Power supply	DC 5V, 1A(from the computer USB port)
USB Cable	Length is 6M, compatible with USB2.0, 3.0
Calibration Method	Auto-calibration
Cautions	Before calibration, please ensure that the laser receiver can see the whole

projection screen, and there is no obvious bright spot and interference light (such as sunlight and spotlights) on the projection screen.

Shooting software	
Shooting stages NO.	25 (12 for IPSC, 12 for IDPA, 1 for Precision Training with 8 target types)
Compatible OS	Win7/10/11 OS
WIFI Connection	WIFI must be connected (or the software will not work properly)
Installation	Run the USB disk to install the software after quitting the anti-virus software on the computer. Then run the exe program to choose the next step. A software icon will be generated on the desktop after completing the installation. You need to run the driver to do auto-calibration first, and then do environment detection, and then use the laser gun to begin shooting training.

Laser Training Pistol	
Size	
Length	Slide 18.38CM
	Overall 20.83CM
Height	Whole 12.95 CM, with magazine 15.90 CM
Width	Slide 2.54 CM
	Overall 12.79 CM
Trigger specification	
Trigger running distance	1.05CM
Pound Force	3.6-6.2 LB
Total running distance	1.15CM
Lifespan	1 million times
Trigger life	1 million times
Body Specifications	
Slide	Aluminum alloy
Weight(empty)	370g
Weight(with magazine)	420g
Surface treatment	Metal anodic oxidation
Main materials	Aluminum alloy and nylon
Laser (customization is available)	
Laser color/wavelength	Red, 650nm
Laser Pulse	80ms
Laser point modulation	Adjustable aiming point
Power	≤1mW
Battery/Magazine	
Battery Type	Lithium-ion battery (rechargeable)
Design for Disassembly	Disassembly

Charging time	1 Hours
Number of shots after fully charged	2500 rounds
Charging voltage and current	DC5V, 2A (USB-C charging port)
Precautions	Please charge the battery in time to avoid recharging every time after the battery is exhausted, to prolong the battery's life.

USB Cable	
Type	A to Mini
Length	6 meters (can support a 15-meter cable with a signal amplifier)
Use	Connects the H20 receiver to the computer to transfer image data

Items to be prepared by customers		
Computer	**Quantity**	1 unit
	Specs	Windows 10/11 OS, CPU-i3-11gen or above, 16GB memory, 256GB SSD, discrete graphic card (8GB), WIFI(2G/5GB), Bluetooth 4.0. USB 3.0 *4, HDMI output*2
Projector	**Quantity**	1 unit
	Specs	Resolution 1280*800 or above, brightness 3000 lumens or above, contrast ratio is 5000:1 or above, lamp life is 4000 hours or above(normal use)
Speaker	**Quantity**	1 Unit
	Specs	Output power is more than 450W, rechargeable battery: 12V/12Ah, working time: 8 hours, SNG≥71dB, connection way: Audio in (3.5mm), Bluetooth.
Video cable		HDMI cable, HDMI 1.4
Notice		Please pay attention not to install spotlights directly above or on the side of H20 receiver, to avoid interfering with the normal operation of the receiver and causing an inaccurate shooting point

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