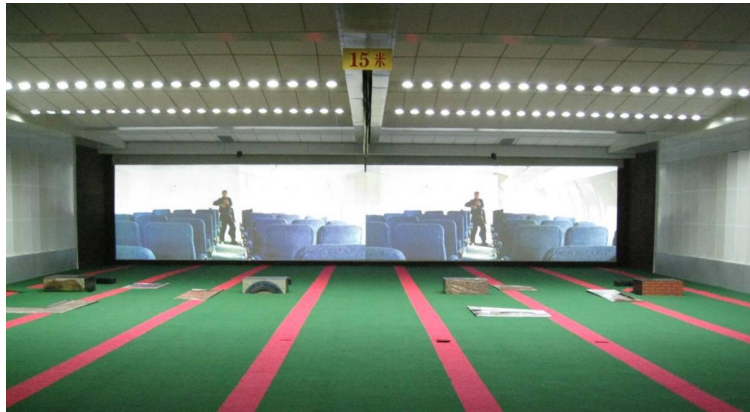# Image Shooting Training System (Laser)

Product description

Ⅰ、The program part

一、Composition of simulated image shooting training system

    1、Hardware composition description:

      （1）、Projection screen

    Width: 8 meters, height: 3 meters

      （2）、Video program projection system

      （3）Main part: Japanese brand high-definition projector

Main technical parameters: brightness 6000 lumens, resolution 1024×768.

（3）、Laser bullet point acquisition equipment

Main part: infrared camera;

Main technical parameters: horizontal 480 line

（4）、Real-time video camera system

Main part: Japanese brand high-definition camera;

Main technical parameters: 1080i

（5）、The shooting training center centrally controls the switchboard.

Main part: industrial computer;

Main technical parameters: CPUi7, memory: 4G, hard disk 1T

（6）、Police interactive equipment.

Including: batons, police pepper pitchers, shock grenades, smoke grenades,Flash grenades, complete set of instrument storage boxes

（7）、Curtain installation assembly.

Including: reel, motor, bracket

（8）、Weather simulation control system

Including: communication module, weather simulation control cabinet

（9）、Analog bunker facilities

Including: bunker control box, bunker lifting device

(10)、Detailed table of hardware composition of image shooting training system

Serial number	Primary part name	Model specifications	Unit	Quantity	Remarks
1	Projection curtain	FNY-DM-8-3	Set	1	
2	Curtain installation assembly.	FNY-DZZJ-1-1	Set	1	
4	Analog location components	FNY-MDW-1	Set	2	
5	Projector mounting device	FNY-TD-ZC-1	Set	2	

6	Video program projection system	FNY-TY5500-1	Set	2	
7	Imaging target master control machine	FNY-ZK-1-1	Set	1	
8	Real-time video camera system	FNY-SX-1	Set	2	
9	Modified laser training gun	FNY-JGQ-M190	Set	6	
10	All-weather analog control cabinet	FNY-THMN-1-1	Set	1	

2、Software composition:

（1）、Basic subject training software;（including: fixed goals, moving targets, flash targets, etc.）

（2）、Film-human scene interactive shooting training subject training software;（including: various live shooting programs, animation programs, CS programs）

（3）、Human-human real-time confrontation shooting training subject training software;（including: individual tactical confrontation, tactical cover, fire cover and other subjects）

（4）、Reality shooting scene image training program editing software;

（5）、Common police interactive device function software;（including: spray chili water, wielding baton, flashlight, etc.）

（6）、Shooting training data, results and other recording, storage and printing function software;

（7）、Shooting training process image data storage, playback, evaluation function software;

（8）、Personnel file and database management software;

（9）、 Software breakdown of image shooting training system

Serial number	Master Names	Unit	Quantity	Remarks

1	Reality shooting scene video training program editor	Set	1	
2	Video training program playback system	Set	1	
3	Real-fire landing point recognition image processing software	Set	1	
4	Simulated bounce point recognition image processing software	Set	1	
5	Shooting score preservation and printing system	Set	1	
6	Shooting process playback and evaluation system	Set	1	
7	Real-time confrontation processing system	Set	1	
8	Camera control software	Set	1	
9	Thermal imager control software	Set	1	
10	Infrared camera control software	Set	1	
11	Projector control software	Set	1	
12	Weather, ventilation and other control software	Set	1	
13	Common police instrument detection function software	Set	1	

14	Personnel and database management software	Set	1	

3、Main functions

A. Basic functions

①、It has live ammunition and laser shooting functions;

②、The target can appear on the big screen according to the preset position, distance and time;

③、Targets can choose to be fixed or mobile, or transformed into films that appear in nuclear facilities or are pre-produced by terrorists;

④、Systematically train shooters to react quickly, make "shoot", "cannot shoot" and conventional practical gun-holding skills;

⑤、It can be used for shooting training at various distances such as 7 meters, 15 meters and 25 meters.
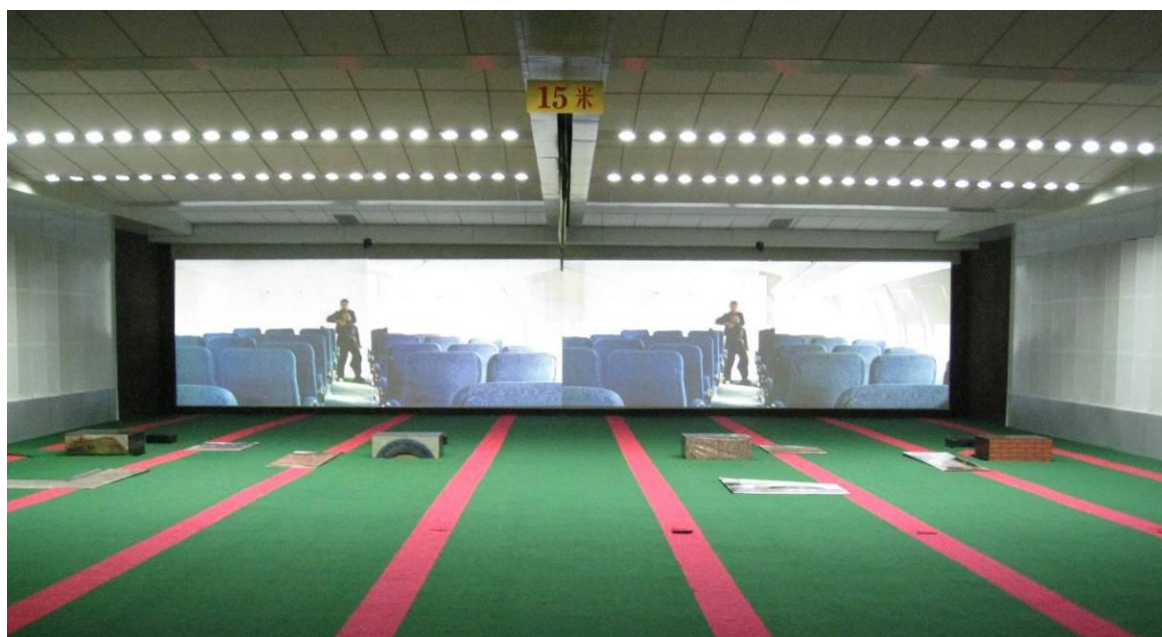
B、16 firearms use training functions

The training focus of the Imaging Training Center is to shoot various video programs to train police officers to use firearms in 16 emergency situations in accordance with the Regulations of the People's Republic of China on the Use

of Police and Weapons in 16 emergency situations.

In 16 emergency situations, if the warning is invalid, the police can use weapons.

●Arson, water bursting, explosion, etc. seriously endanger public safety;

●Hijacking aircraft, ships, trains, motor vehicles or motor vehicles such as driving vehicles and ships, intentionally endangering public safety;

●Robbing and robbing guns, ammunition, explosions, highly toxic and other dangerous goods seriously endanger public safety;

●Using firearms, explosives, highly toxic and other dangerous goods to commit a crime or threatening to commit a crime by using firearms, explosives, highly toxic and other dangerous goods;

●The destruction of military, communications, transportation, energy, risk prevention and other important facilities is enough to cause serious and urgent danger to public safety;

●Carrying out violent acts such as murder and hostage-taking, endangering the lives and safety of citizens;

●The objects and targets of security, guards and vigilance stipulated by the State have been violently attacked, destroyed or in an imminent danger of being violently attacked or damaged;

●Gang robbing or armed robbery of public or private property;

●Gathering crowds to fight, riots, etc. that seriously undermine the order of public security and cannot be stopped by other means;

●Resist or obstruct the people's police from performing their duties according to law or violently attack the people's police by violent means, endangering the life and safety of the people's police;

●Detained prisoners, criminals gathering people to riot, riot, commit murder or escape;

●Robbing prisoners and criminals in custody;

●Refusing to arrest or escape after committing arson, water bursting, explosion, homicide, robbery or other serious violent crimes

●Criminals who carry guns, explosions, highly toxic and other dangerous goods to resist arrest or escape;

●Other circumstances in which weapons can be used as stipulated by laws and administrative regulations;

●If the people's police use weapons in accordance with the regulations and may lead to more serious harmful consequences before warning or warning, they may use weapons directly.

Regulations on the use of firearms

● Carry a gun only when on duty

● Bullets must be returned and counted when leaving duty.

● The bullet is separated. Only when the order of the superior can it be loaded

and fired.

● The gun will not be left. The gun can only be handed over to the next policeman when it is handed over.

C、Implement various standard or non-standard target shooting training

①、You can choose the scene picture of the target by yourself, including indoor experimental field, outdoor experimental field, field site, etc.

②、The shooting environment (scene) can create or insert the audio and video effects of a movie by yourself; and it has the functions of artificial wind, thunder, rain, electricity, frost, snow, fog and adjustable day and night;

③、Able to choose various targets (such as chest ring targets, hostage targets, site targets...) for training;

④、Single-player and multi-player shooting training can be carried out;

⑤、Shooting score;

⑥、Shooting score storage and playback;

In the basic shooting training subjects, we abandoned the traditional simple simulation target method and used advanced Flash animation to make a variety of training projects. Under the premise of ensuring the training function, we can maximize the vividness and vividness, which can greatly improve the training enthusiasm of the team members. This method was also proposed by us first. At present, other domestic manufacturers do not have the same type of products.

III、Photos of similar cases

人－人对抗表现图

影－人互动表现图

单屏模拟影像靶

侧吸音墙

战术掩体设施

总控室

影像射击室表现