DIGITIZING MARKSMANSHIP®

ACCUSHOOT

ACCUSHOOT
LFX

The Future of Shooting is Here

Bringing Dynamic Targeting Capabilities to Your Range

Marksmanship training has not changed much in the last 100 years despite rapid technological advances. Paper, cardboard, or steel targets with little to no movement still dominate the traditional training sessions. Unfortunately, real-world shooting encounters are highly dynamic in nature with a variety of moving targets. Without the proper training mimicking realistic scenarios, your marksmanship skill will let you down when you need it most.

AccuShoot LFX brings a high level of dynamism to your training regimen, without the need for expensive simulators. It offers a variety of classic and popular drills, qualifications, skill tests, challenging games, real-world scenarios, and pistol and rifle competitions. The AccuShoot LFX System provides a versatile and immersive training experience. Its stable, collapsible design makes it perfect for both indoor and outdoor use. AccuShoot LFX is designed to revolutionize your shooting practice
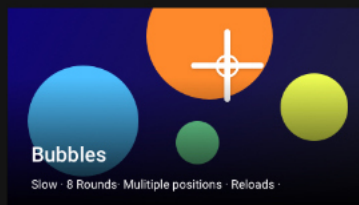
The Next Level of Firearms Training

AccuShoot LFX combines the instant gratification of steel targets, the accountability of paper, no risk of spall or ricochets, no need to walk downrange to score and paste, targets that actually move, and automatic data collection for real-time performance tracking.
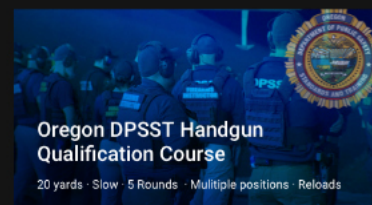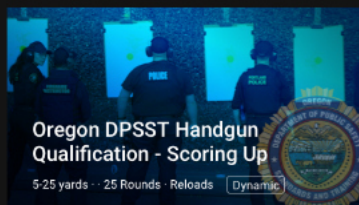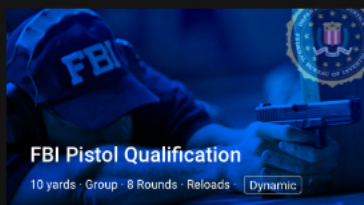
ACCUSHOOT

4eats by Ramiro Herrera - Dynamic

Engage large and small Alpha targets, large and small Bravo targets, and large Charlie targets, with slidelock reloads in between.
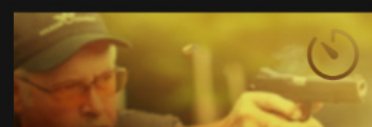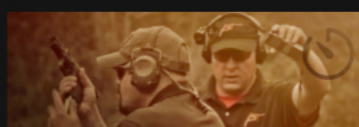
MOST USED

Real World Example 1

Bubbles
Slow · 8 Rounds· Multiple positions · Reloads ·

FBI Pistol Qualification
5-25 yards · Group · 8 Rounds · Reloads

QUALS

FBI Pistol Qualification
10 yards · Group · 8 Rounds · Reloads | Dynamic |

Oregon DPSST Handgun Qualification - Scoring Up
5-25 yards · 25 Rounds · Reloads | Dynamic |

Oregon DPSST Handgun Qualification Course
20 yards · Slow · 5 Rounds · Multiple positions · Reloads

SKILL TESTS

Wilson 5x5 Skill Test
10 yards · Group · 25 Rounds · Reloads

Rangemaster Handgun Core Skill Test
20 yards · Slow · 5 Rounds · Multiple positions

THE HANDG

Justin Dyal's 5-Yard Roundup
5 yards · Rapid · 10 Rounds · Reloads | Dynamic |

POPULAR DRILLS

LFX ADVANTAGES

TRAIN AS YOU FIGHT

Use your own gear, including real firearms, optics, and live ammunition, rather than simulation equipment.

TRAIN EFFICIENTLY

Spend all your time training and none on setup, scoring, pasting targets, or recording results.

TRAIN EFFECTIVELY

Tailor drills and training sessions to match the skill level of each shooter.
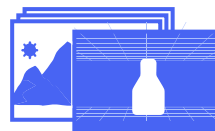
Oregon Indoor Shooting Range

WHAT MAKES ACCUSHOOT LFX UNIQUE?

REAL GUNS

From Colt Peacemaker .22 to Sig Spear .308 Battle Rifle, all calibers are detected according to the specs of your particular range. No more toy guns that fail to deliver real shooting experiences.

LIMITLESS SCENARIOS

Dynamic shooting games featuring shoot and no-shoot targets that move at varying speeds, simulated scenarios with progressively increasing difficulty to match the requirements of any qualification, and the groundbreaking Dynamic Drills that challenge even the most advanced shooters.

AUTOMATED QUALIFICATIONS

Automate and record firearms training and qualifications of your law enforcement agency, achieving a new level of transparency.
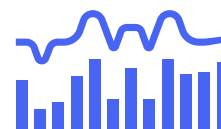
ADVANCED ANALYTICS

Provide your shooters with personalized feedback through analytics that help them understand their current performance and potential for future improvement.
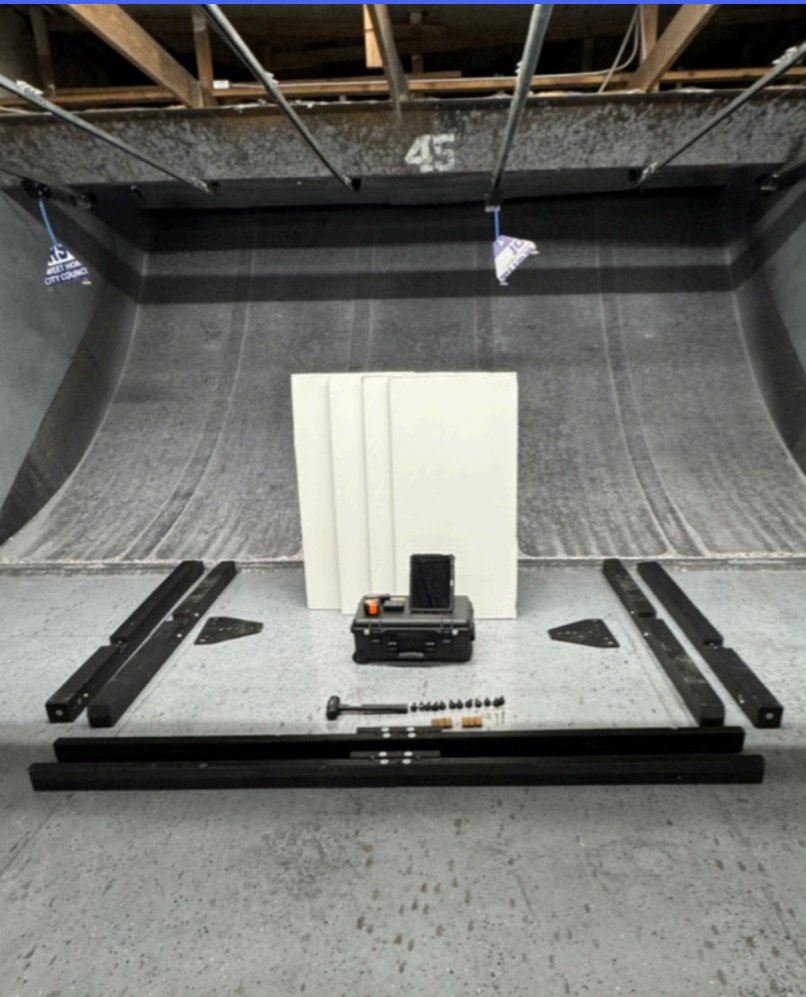
BUILT-IN PROGRAMMABILITY

Customize the drills to your liking so your instructors and shooters can navigate the best-fitting courses and the latest techniques.

FUN & ENGAGING

Create a leaderboard for each drill to determine who is best in your range, city, state, or nation. Organize your own competitions to drive more business.

LFX SYSTEM

This complete package includes the LFX box (projector, shot detector, internal computer, and speakers), calibrator, stand, two screens, and a one-year subscription to LFX's popular drills, skill tests, and games.

RUGGED

For outdoor or indoor installation.

FLEXIBLE SETUP

On the ground, on the ceiling, or downrange behind cover for long distances, with the shooter positioned at any distance, from as far as possible to as close to the screen as needed, in order to avoid.

EASY-TO-USE INTERFACE

Intuitively operate, configure, calibrate, and test; efficiently manage and inspect content, leaderboards, and sessions.
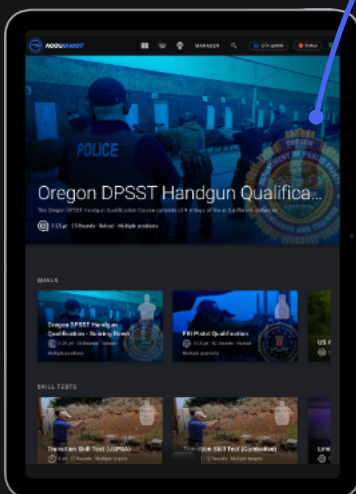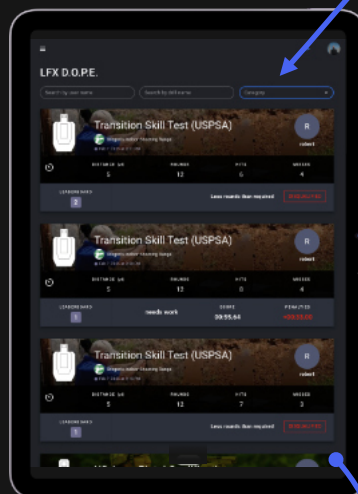
LFX SOFTWARE SPECIFICATIONS

1 **MANAGER**

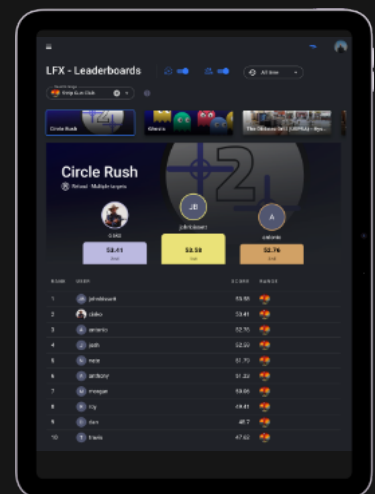Settings, Analytics, User Management, Screen Management, Status, and Updates

2 **INSTRUCTOR**
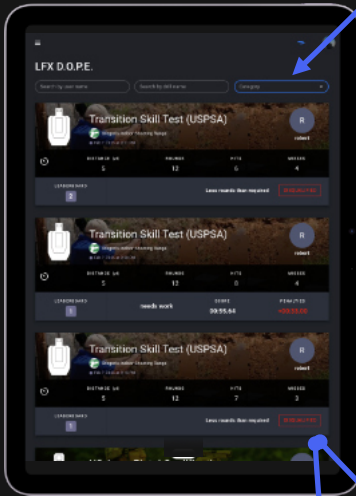

Selects drill, manages users, and configures screens.

3 **SESSIONS**

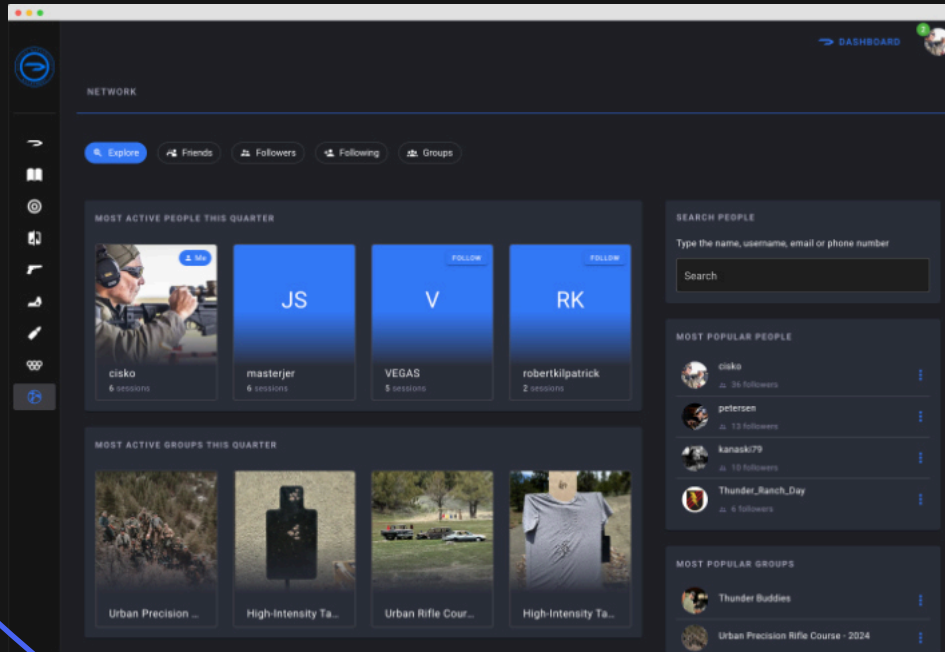Records sessions to be analyzed later.

4 **LOCAL LEADERBOARD**

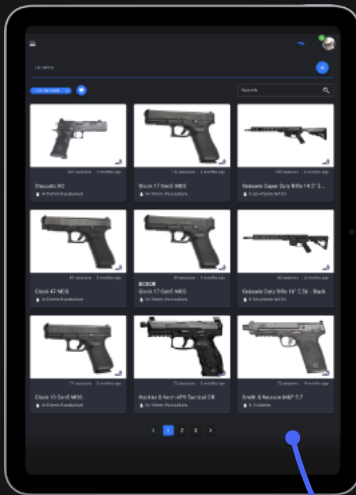Top local shooters per drill and time period.

ACCUSHOOT.COM

5 D.O.P.E

Historical sessions.

6 PERSONAL LOCKER

Personal Locker for Weapons, Ammo, and Accessories.

7 GLOBAL LEADERBOARD

Top global shooters per drill and time period.

8 PERSONAL PERFORMANCE

Performance accross weapons, ammo, and time.

LFX STAND AND SCREEN

STABLE

The stand remains stable even if bullets pass through the screen.

WIND RESISTANT

If used outdoors, it resists movement from wind.

COLLAPSIBLE

Designed for easy transport and setup.

MODULAR PANELS

The screen and stand break into smaller parts for easy transport.

EASY ASSEMBLY

The panels are easily detachable making setup quick and straightforward.

DURABLE MATERIALS

Features a ballistic rubber facing material laminated to a rigid backing board. The facing material provides excellent thermal characteristics, clearly showing impacts in thermal video while dissipating heat quickly to avoid thermal saturation. Additionally, it has self-healing properties, closing around bullet holes. The rigid backing board ensures stability and allows bullets to pass through cleanly without material blowout at exit sites.
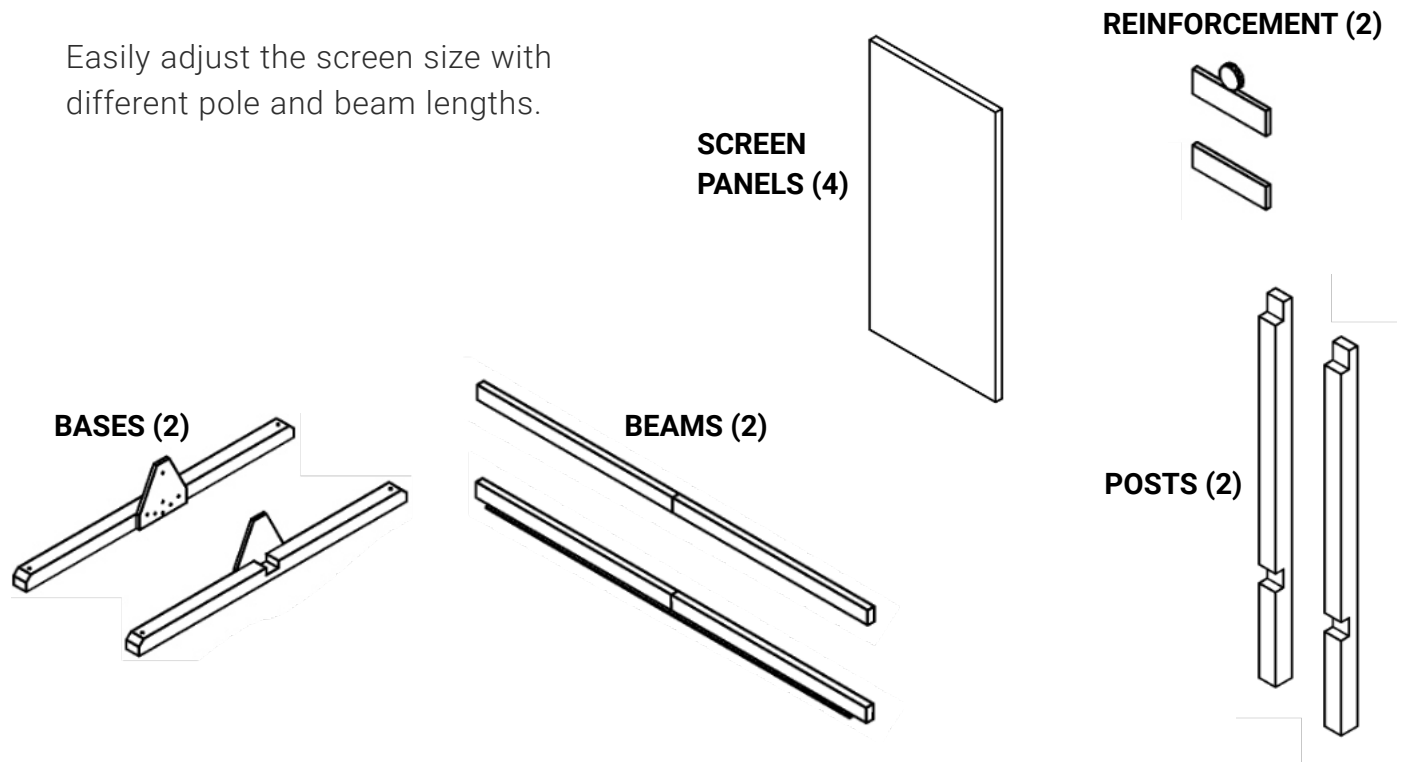
CUSTOMIZABLE

You can easily adjust the size of your screen by using taller or shorter poles, or longer or shorter beams.
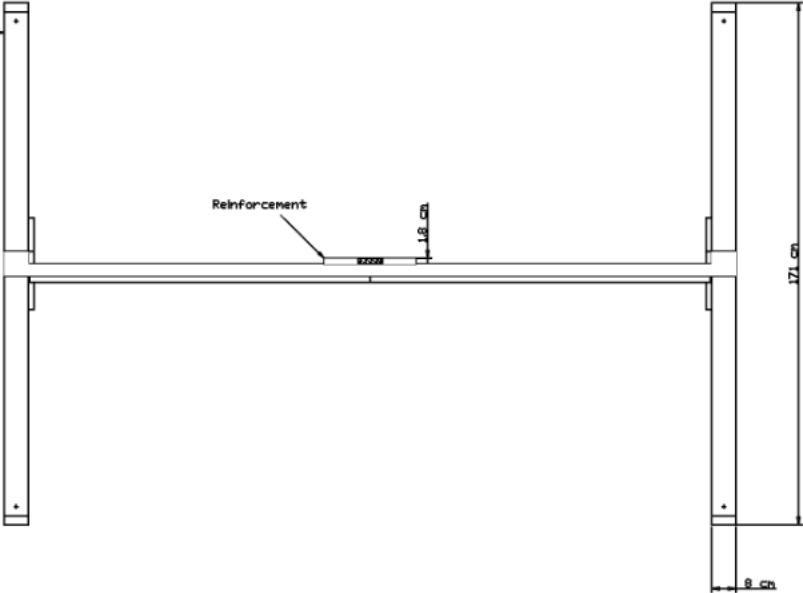
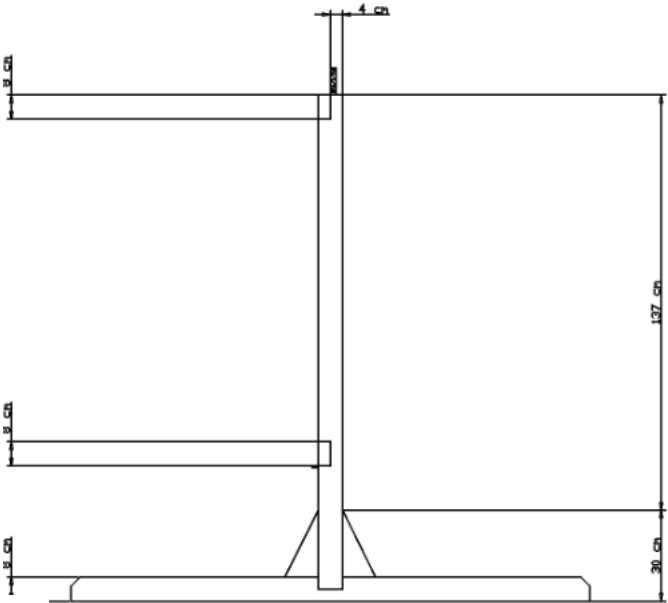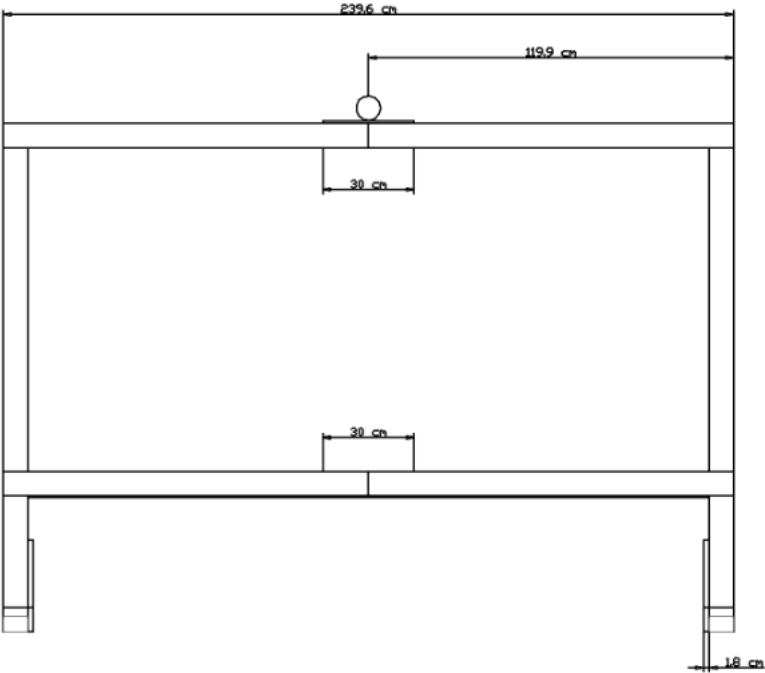# Screen and Stand Components

Easily adjust the screen size with different pole and beam lengths.

SCREEN PANELS (4)
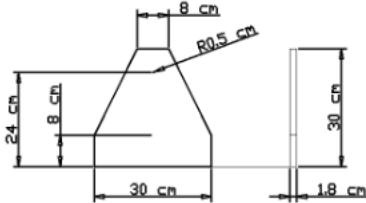
REINFORCEMENT (2)

BASES (2)

BEAMS (2)

POSTS (2)

Technical Drawings

Stand

Reinforcement

Post

Base

Brace

Beam

239.6 cm

119.9 cm

30 cm

30 cm

1.8 cm

4 cm

137 cm

30 cm

171 cm

Reinforcement

1.8 cm

8 cm

Brace detail

8 cm

R0.5 cm

24 cm

8 cm

30 cm

30 cm

1.8 cm
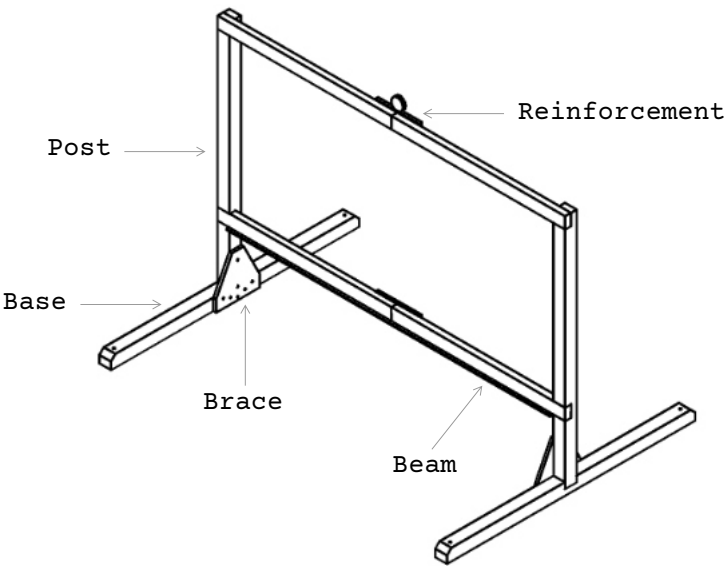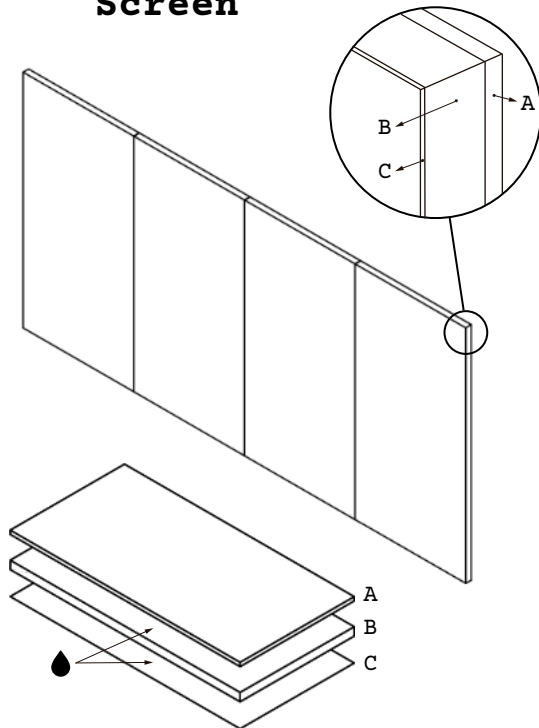
Screen

Screen Materials
A. Polycarbonate 6mm
B. Polystyrene 30mm
C. PVC 0.4mm

💧 3M Super 77 spray adhesive. It is important that B is glued "smooth side" to C
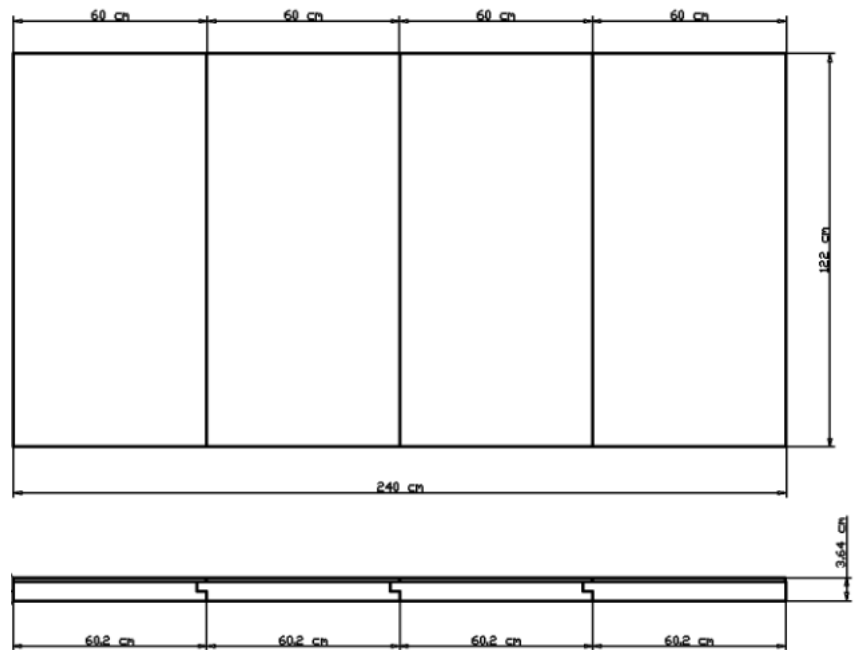
Optimal Dimensions of Stand

Key measures ensuring stability:

➤ Screen Frame:
122.4 cm H × 239.6 cm W
(outside dimension).

➤ Frame Height:
44.6 cm above ground level.

Construction can be modified
provided that optimal dimensions
are maintained.
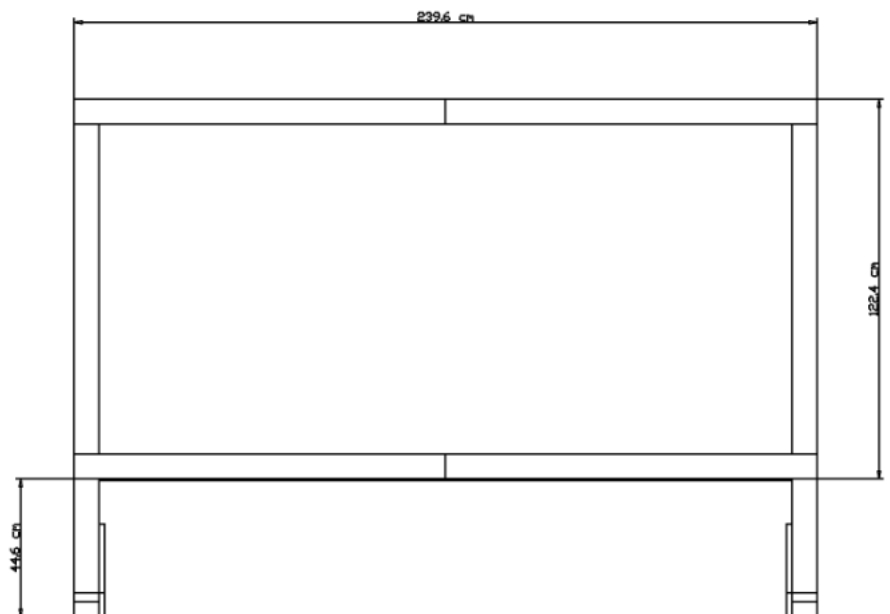
Smaller and larger stands and screens can be configured.
Feel free to contact us to share details about **your specific setup** or to learn more
about our various screen configurations.

Assembly steps

1

Connect the upper beams using the connectors. Insert the connectors into the ends of the upper beams.

2

Connect the lower beams using the connectors. Repeat the process with the lower beams, joining both ends with connectors.

3

Add reinforcements to the upper beams. Attach the reinforcement board to the already connected upper beams with the connections pieces.

4

Add reinforcements to the lower beams. Repeat the previous step for the lower beams.

5

Attach the braces to the bases. Secure the diagonal reinforcements to the left and right bases using the provided bolts

6

Attach the beams to the vertical posts. Secure the upper and lower beams to the vertical posts using bolts.

7

Assemble the main structure. Place the upper structure (beams + posts) onto the bases.

8

Secure the main structure to the braces. Attach the main structure to the braces, tightening all bolts to ensure stability

LFX BOX

COMPACT SIZE

Designed to be compact for easy storage and handling without compromising functionality.
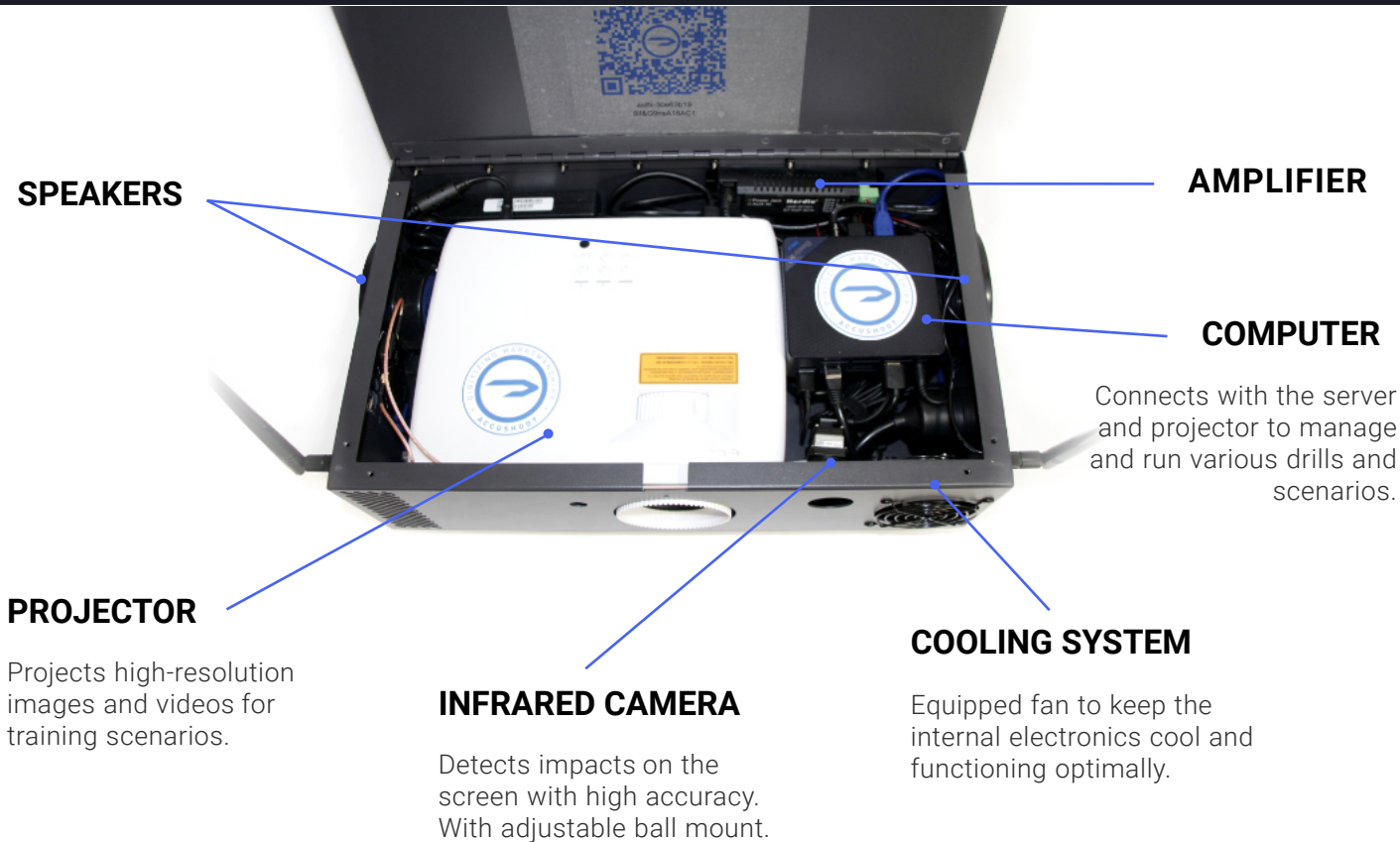
PORTABLE

Fits into a Pelican 1510 travel case (not included), allowing you to move the box effortlessly to different locations.

ADJUSTABLE

Telescopic legs allow precise alignment of the projected image, accommodating various setups and surfaces.

Box Components

SPEAKERS

AMPLIFIER

COMPUTER

Connects with the server and projector to manage and run various drills and scenarios.

PROJECTOR

Projects high-resolution images and videos for training scenarios.

INFRARED CAMERA

Detects impacts on the screen with high accuracy. With adjustable ball mount.

COOLING SYSTEM

Equipped fan to keep the internal electronics cool and functioning optimally.

WIFI ANTENNAS

PROJECTOR REMOTE SENSOR

MASTER POWER SUPPLY

ETHERNET PORT

ADJUSTABLE LEGS

Technical Drawings

BASE
.064, ALUMINUM 5052-H32 (± 0.0040")
GRAPHITE SANDTEX, PA-0191-LT, LOW GLOSS, FINE TEXTURE, POLYESTER POWDER
MONSTERJET PRINTABLE FACES:1

INTERNAL HINGE COVER
.060, 16GAGE, COLD ROLLED STEEL (± 0.005)
GRAPHITE SANDTEX, PA-0191-LT, LOW GLOSS, FINE TEXTURE, POLYESTER POWDER
MONSTERJET PRINTABLE FACES:1

SPACER PLATE
.250, ALUMINUM 5052-H32 ASTM(± 0.014")
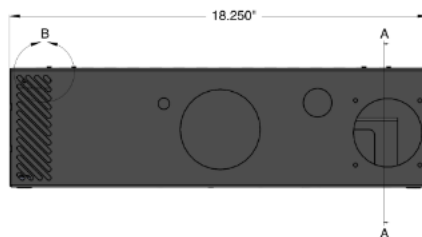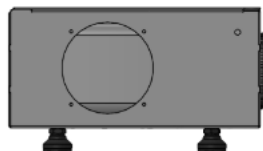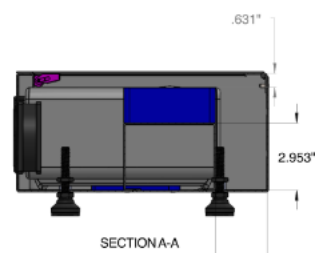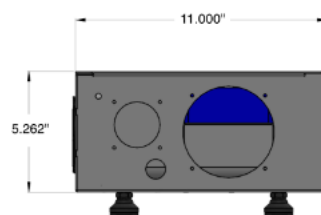GRAPHITE SANDTEX, PA-0191-LT, LOW GLOSS, FINE TEXTURE, POLYESTER POWDER

COMPUTER BRACKET
.064, ALUMINUM 5052-H32 (± 0.0040")
GRAPHITE SANDTEX, PA-0191-LT, LOW GLOSS, FINE TEXTURE, POLYESTER POWDER

STEEL PIANO HINGE (15665A294 6FT)
STEEL PIANO HINGE 1.5IN OPEN WIDTH, .060 THK,6FT, .125IN PIN DIA (15665A294)
GRAPHITE SANDTEX, PA-0191-LT, LOW GLOSS, FINE TEXTURE, POLYESTER POWDER

1.250"
2.250"
4.520"
2.953"
4.010"
.750"

SP-632-1, SELF-CLINCH NUTS FOR MOUNTING
1.289"
.246"

18.250"
B
A

11.000"
5.262"

.631"
2.953"
SECTION A-A
2.250"

DETAIL B
SCALE 2 : 1

Ø.167"
C
Ø.197"
Ø.313"
Ø.625"
C

.094"
.304"
.063"
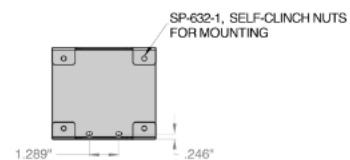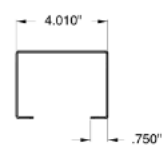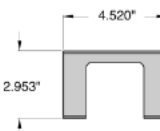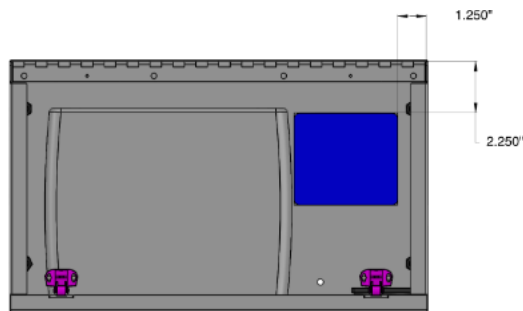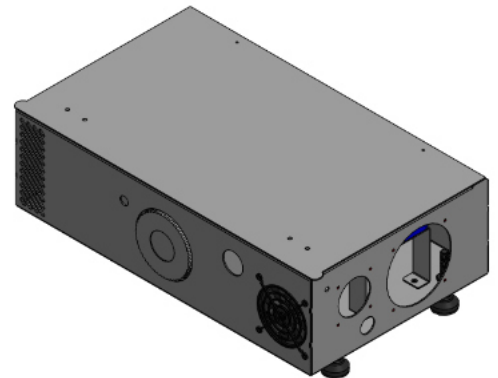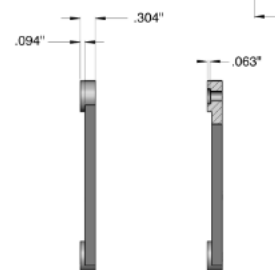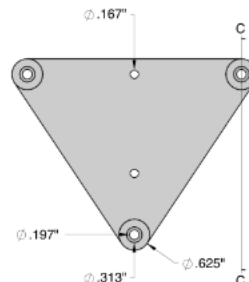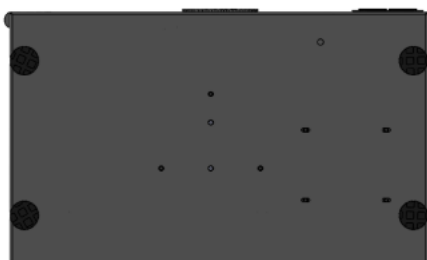
SECTION C-C
SCALE 1.25 : 1

STANDARD PLACEMENT AND SETUP

The LFX System can be set up in various configurations—on the ground, underground, on the ceiling, or at different distances—to provide flexible projection sizes. AccuShoot is happy to work with you to create a setup tailored to your specific needs, safety requirements, and training goals.

A standard setup is as follows:

LFX STAND PLACEMENT: Ensure stability and proper alignment with the LFX Box.

LFX SCREEN PLACEMENT: Properly align the four panels to form a seamless projection surface. If it used outdoors a canopy or awning might be needed to avoid.

LFX BOX PLACEMENT: Position the LFX box at an optimal distance to avoid interference and ensure proper projection and detection. It can be on the ground, underground, or hanging from the ceiling. Depending on the setup, an armored or fiberglass cover may be required to protect the box.

DISTANCES TO SCREEN

 LFX Box to Screen: recommended 5 yards or 4.5 meters

 Firing line: As close as the user does not interfere with the projection and any distance.

FIRING LINE

ACCUSHOOT BOX

ACCUSHOOT STAND

BULLET TRAP

1 yards   5 yards   3 yards
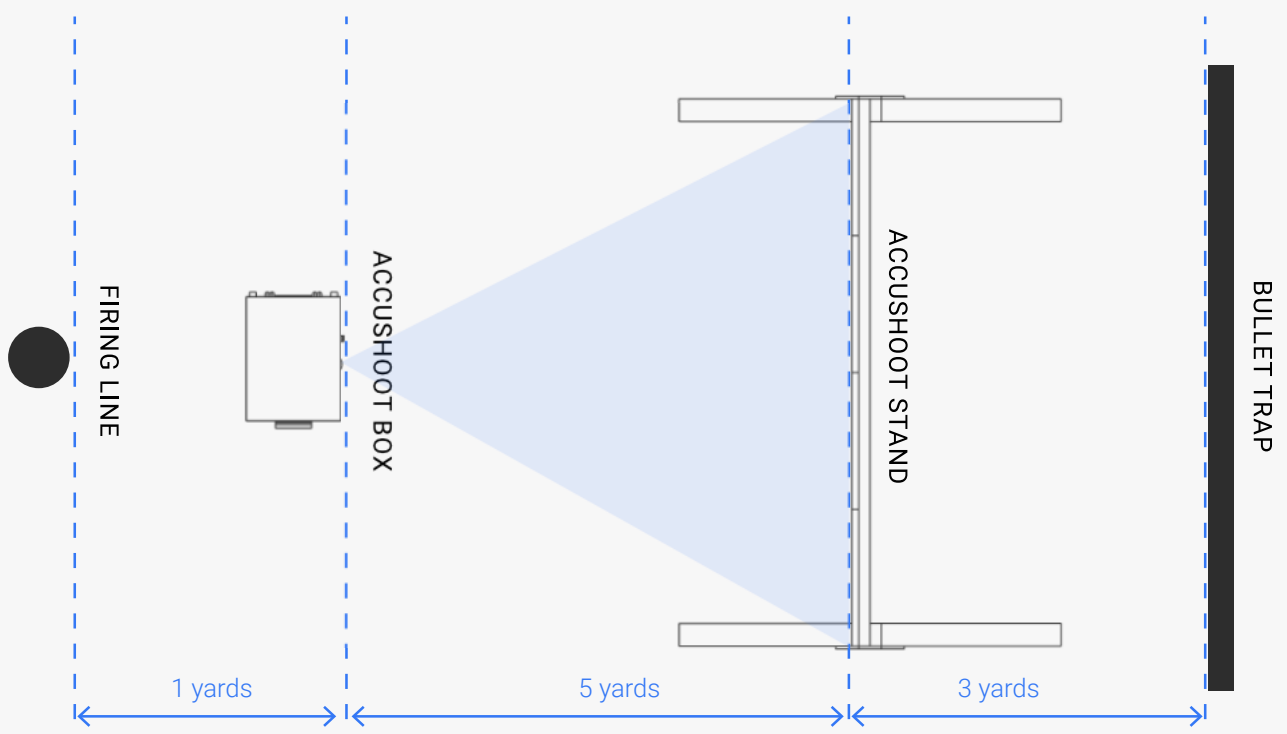
ACCUSHOOT LFX PLATFORM

OVERVIEW

The LFX Platform is a modular system that provides a number of user-friendly interfaces that allow to easily configure and manage the LFX Box, display shooting sessions and leaderboards, and synchronize the data with AccuShoot.com.

LFX PROJECTION

Projects targets and displays a number of configurable panels to show distance, split times, elapsed or remaining time, offset for each shot, score, user, and markers of different size to visually identify the impacts on the screen.

ADMINISTRADOR DE LFX

Modo de administración del sistema para la gestión de la configuración y la supervisión del rendimiento.

Settings	Manage screen and stand lifespan, adjust display settings, and configure connectivity.
Leaderboards	Manage active leaderboards and those displayed in the carousel.
Content Manager	Organize drills available in AccuShoot LFX by category and audience.
Analytics	View system statistics: number of sessions, rounds, active users, top users, and top drills.
Session Feedback	Report session issues to the support team.
Status	Monitor the LFX system's status (memory, storage, CPU temperature, updates, screen lifespan).
About	Manage your AccuShoot account, check subscription status, and view available updates.

LFX INSTRUCTOR

Session management mode for organizing and administering training sessions.

User Management	Create, add, or remove users for training sessions.
Drill Session Management	Select sessions and users, and oversee the session's progress.

LFX SESSIONS

Mode for viewing the history of completed sessions.

Session Listing and Filtering	Displays a list of past sessions with filters for user, drill, or category.
Session Detail	Provides detailed information about the results of the selected session.

LFX LEADERBOARD

Mode for viewing historical leaderboards.

Leaderboard Carousel	Shows a carousel with the top 10 positions from each active leaderboard.
Leaderboard Display	Full detailed view of a specific leaderboard.

ACCUSHOOT.COM LFX

Online platform where users can access their data generated in AccuShoot and manage their shooter profile.

Ranges	List and details of shooting ranges using AccuShoot LFX.
Global Leaderboards	View the history of leaderboards created in AccuShoot.
D.O.P.E. - LFX Sessions	Access the complete history of recorded sessions in AccuShoot.
Shooter Performance	Private performance tracking (shot history, training level, performance prediction, and evolution).
Locker	Private virtual locker for managing firearms, ammunition, and accessories.
Network	Explore the AccuShoot community and manage friends, followers, and groups.

LFX APP

Mobile application where users can access their data and manage their shooter profile.

Ranges	List and details of shooting ranges using AccuShoot LFX.
Global Leaderboards	View the history of AccuShoot leaderboards.
D.O.P.E. - LFX Sessions	Access the history of recorded sessions in AccuShoot.
Locker	Private virtual locker for managing firearms, ammunition, and accessories.
Network	Explore the AccuShoot community and manage friends, followers, and groups.

ACCUSHOOT LFX SYSTEM DATA

COMPONENT	SPECIFICATION
STANDARD LFX SYSTEM SETUP	
Standard Screen Dimensions (approx)	48 in (162 cm) high x 96 in (244 cm) wide
Standard Stand Dimensions (approx)	72 in (183 cm) high x 96 in (244 cm) wide x 68 in (173 cm) deep
LFX BOX	
Video	Compact, Full HD 1080p laser projector
Resolution	1920 x 1080
Brightness	4500 Lumens
Camera	NDAA-compliant and ITAR-free longwave infrared (LWIR) thermal camera module
Resolution	640 x 512
Pixel Pitch	12 μm
Spectral Band	8 μm – 14 μm
Sensitivity (NEdT)	<60 mK
Frame rate	30 Hz
Other Components	
Audio	Integrated, amplified, 4" waterproof speakers
WIFI card	Creates a local wireless network
RJ45 port	For wired local connection
Power Requirements	100V ~ 240V, 50-60Hz
Dimensions	18" wide x 11" deep x 5 1⁄4" tall. Fits into a Pelican 1510 travel case (not included)
LFX TABLET	
Tablet Type	Optional tablet included; or use any iOS or Android tablet with up-to-date browser
Interface Type	Web-based
Connectivity Requirements	An internet connection is required for data storage via accushoot.com

ACCUSHOOT

GET IN TOUCH

Any questions or feedback? Fire away!

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