



Mendocino County Sheriff's Office  
951 Low Gap Rd.  
Ukiah, CA 95482  
ATTN: Captain Pearce  
pearcet@mendocinocounty.org  
(707) 234-2000

August 27, 2021

Please see the quotation below for the Tek84 Intercept Whole Body Scanner:

Quote: 2021-08-28

Qty	Part Number	Description	Net Ea.	Ext. Price
1	SSD-017-1002	Tek84 Intercept Whole Body Security Scanning System High Strength Aluminum Unibody Frame 160Kv Monoblock Oil Cooled Generator 34" x 72" x 90" (79" top removed) footprint 4 Second Scan Time Variable Scanning Dosage with three techniques Beginning at 0.25uSv In accordance with ANSI/HPS N43-17-2009 Radiation Safety Standard Tethered Ethernet Connected Workstation with 27" Vertically Mounted Touch Screen Monitor PC with Windows10 Operating System Transportable on Built In Heavy Duty Caster System With Corner Stabilizer Feet 16 Million Gray Scale Levels 110V/60hz 1Kva	\$149,750	\$149,750
1	INT- INSTALL	½ Day Installation	INC	INC
1	INT- TRAINING	2.5 Days Formal On Site Operator Training	INC	INC
1	INT-WARRANTY-3	<b>Three-year</b> parts and labor on entire system from time of delivery.	INC	INC
1	INT-SHIPPING	Shipping Cost from Poway, CA to Ukiah, CA.	INC	INC
			Ukiah, CA. Sales Tax \$ 13,290.31	
			<b>TOTAL</b>	<b>\$163,040.31</b>

By execution of this agreement by an authorized signature, the customer agrees to purchase the products specified subject to the terms and conditions set forth in the agreement and subject to Tek84 Terms and Conditions available at [Tek84.com](http://Tek84.com)

DAP: Destination, Mendocino County, CA.  
Terms: Net 30 Days  
Taxes: Add as necessary or provide exemption certificate  
Expiration: September 27<sup>th</sup>, 2021

Accepted By:

Tek84:

Brian Amos – Western Regional Sales Manager

Printed Name and Title

Authorized Signature:

Date: 8/27/2021

Authorized Signature

Date:



## What is Intercept?

The only American-made body scanner that detects both metallic and nonmetallic threats, including weapons, drugs, cell phones and other contraband. Screens from below the feet to above the head revealing items under the clothing and within the body.

- Unmatched detection

- Patented vertical scan
- Widely used in US jails
- Subject doesn't move
- Quick 3.8 second scan
- Ultra-small footprint
- 2-hour installation
- Photo ID tied to scan
- Made in the USA
- Exceptional training
- No-contact screening
- Thermal camera detects fevers
- **Buy with ARP funds!**

CONTACT US

## Why Choose Intercept?



### Buy with Federal Funds

The Tek84 Intercept scanner is an ideal purchase for your American Rescue Plan funding. One product solves two problems: detecting concealed threats while protecting against COVID-19 transmission.



### Nothing Hides from Intercept

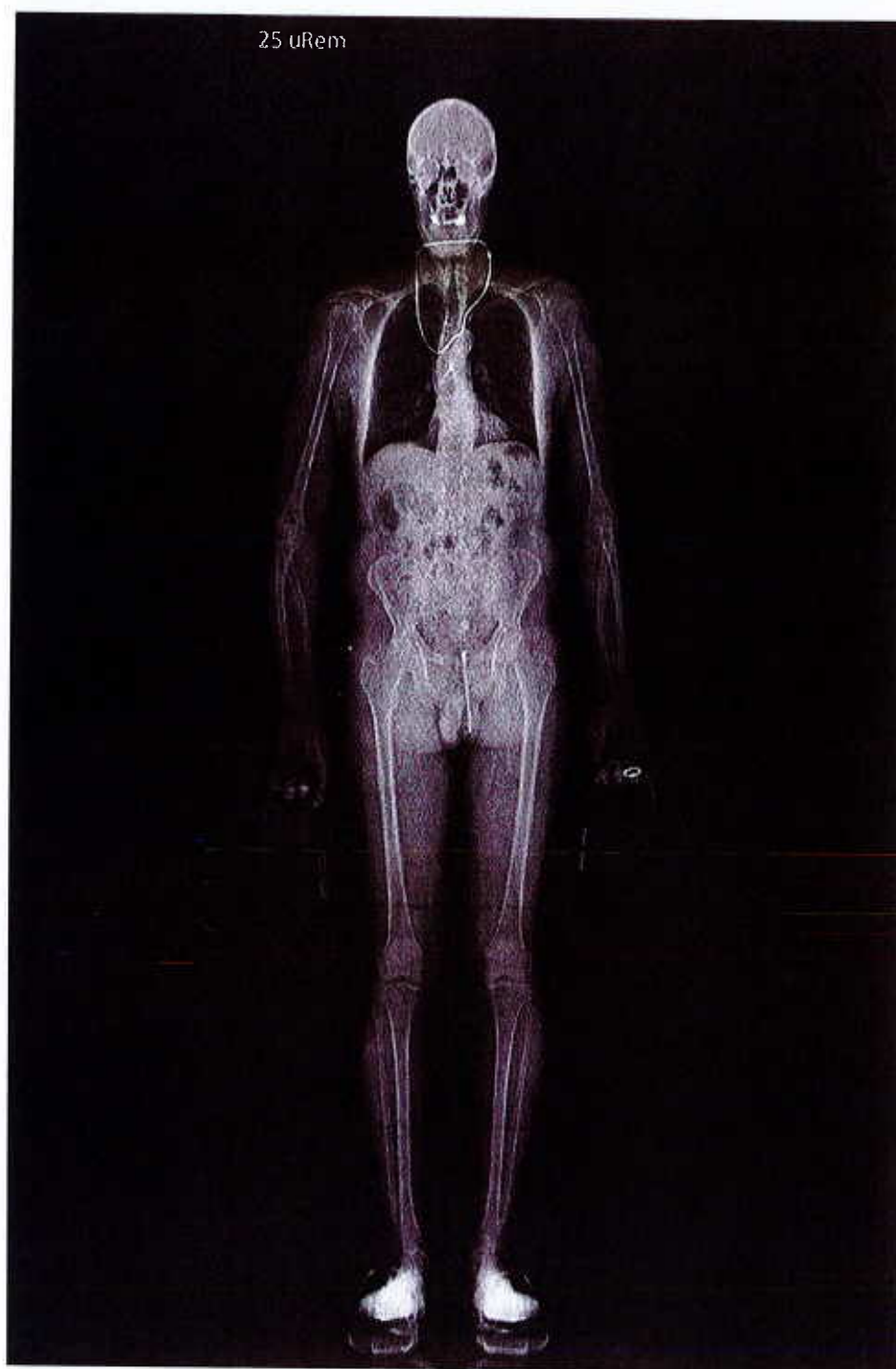
X-ray imaging reveals both metallic and non-metallic threats, including weapons, drugs, cell phones and other contraband. Each subject is screened from below their feet to above their head, showing objects under their clothing and within their body.



### **Fast Screening – No Touching**

One staff member can screen up to 180 subjects per hour, while maintaining the COVID-safe distance of 6 feet between people. An FDA-approved thermal camera measures the temperature of each inmate, providing an early indication of COVID-19 and other infections.

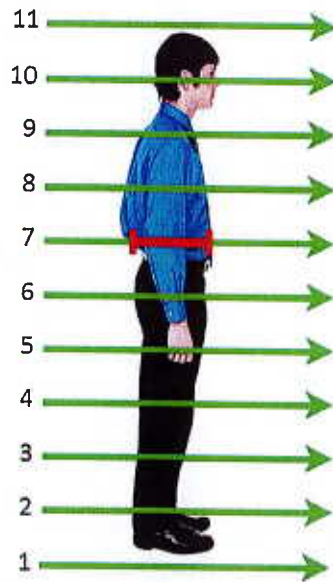




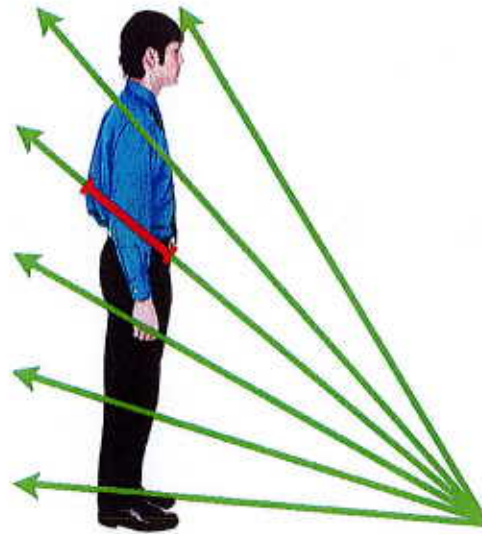
*A typical Intercept image using the lowest setting, 25 uRem. Intercept can operate at up to 200 uRem for even better image quality.*

*Items detected: Teeth fillings, neck chain, nonmetallic object in shoe heel, ring, and zipper.*





The Intercept beam passes through about 11 inches of body tissue in the torso.



Other scanners use an angled path, making the beam pass through about 16 inches.

## Next Generation Inmate Screening

### Easy to use – Widely Accepted

More than 2,000 jails, prisons and detention facilities use x-ray body scanners to search inmates. The subject simply stands on the Intercept stationary platform for a quick 3.8-second scan. Instantly, a detailed x-ray image appears on the high-resolution monitor, showing objects under the clothing and within body cavities.

### Extremely Safe – Regulated by the FDA

Airport body scanners only detect items hidden under the clothing. The Intercept scanner is different. It also detects items within the body by transmitting a weak x-ray beam completely through the subject. Scanned images appear similar to medical exams, yet only require about

1% of the x-ray level. Federal safety standards allow each person to be screened up to 1,000 times per year on the lowest setting, allowing daily use. The Intercept scanner's highest setting produces better images and allows 125 scans per year.

### **Better Images, Lower Dose, No Distortion**

The Intercept scanning beam penetrates directly from back to front. This uses the shortest distance through the body, about 11 inches in thickness. In contrast, other products scan at an angle, which requires the beam to pass through about 16 inches of tissue. The extra 5 inches of thickness has a devastating effect on image quality and the dose required. Plus, angled scans make a 140 lbs person look like 300 lbs!

The Intercept horizontal beam also prevents image distortion; the belly button appears directly in front of the small of the back. With angled x-ray scanning, the belly button appears between the shoulder blades.

## **Patented Technology: Vertical Scanning**

Intercept is a true breakthrough in body scanner technology, scanning the person vertically instead of horizontally. The scanning beam starts below the feet and moves vertically upward to above

the head. This vertical scanning provides revolutionary benefits over all other approaches:



**Quick setup; a few hours (not a few days)**



**A quick 3.8-second scan (not 7-15 seconds)**



**Ultra-small footprint, only 34" x 72" (not 9' x 9')**



**Better image quality; lower x-ray dose**



**Person remains stationary (does not stand on a moving conveyer belt or platform)**



**No image distortion, objects appear in the image at the same location as on the body**







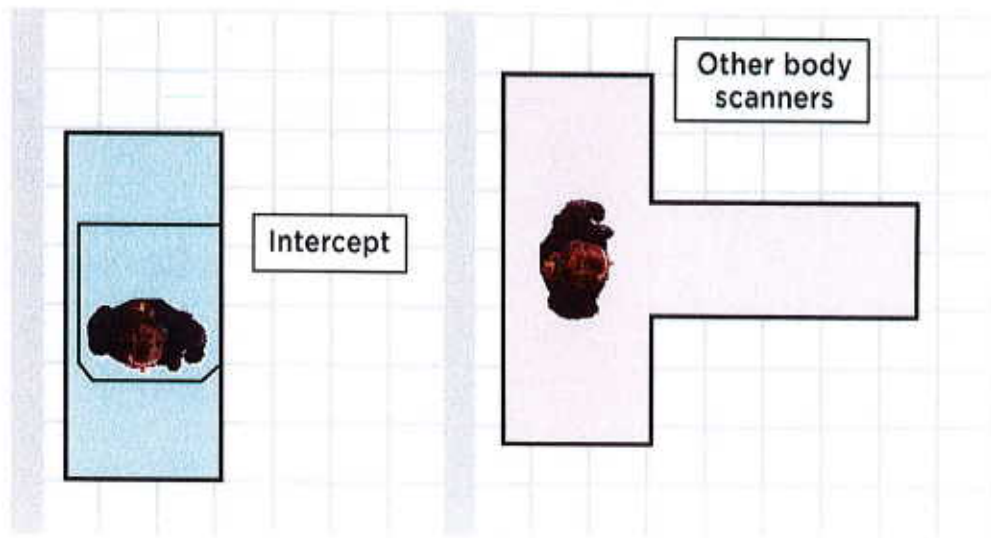
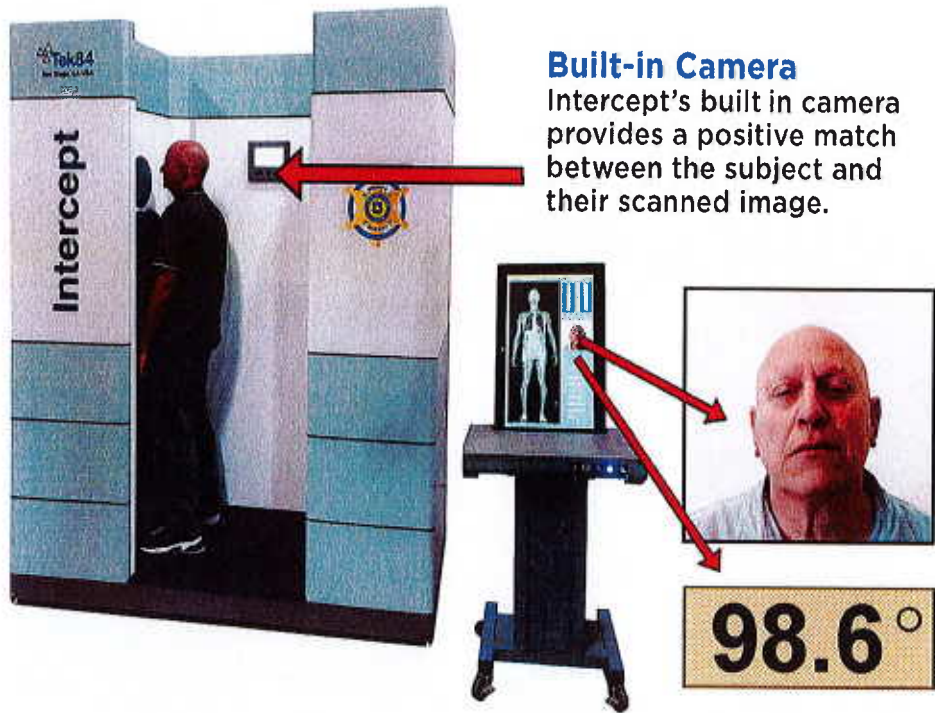
**With built in wheels,  
Intercept easily passes through doorways as small as 35" x  
80"**

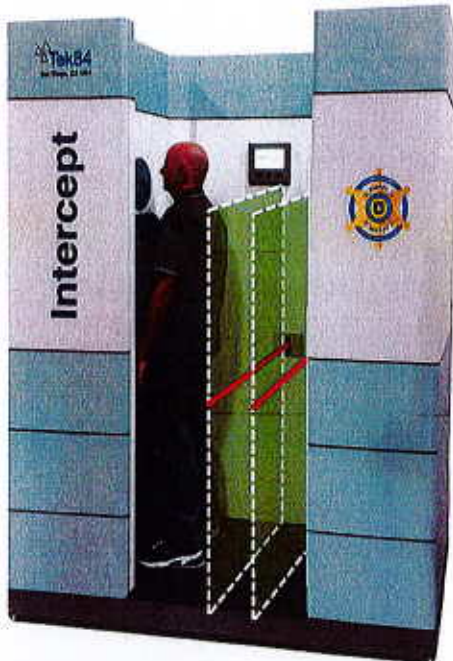
### **Join Hundreds of Jails & Prisons Using COVID Funds to Buy Body Scanners**

The Tek84 Intercept scanner detects concealed threats plus reduces COVID transmissions, making it an ideal purchase for your American Rescue Plan funding. One staff member can screen up to 180 subjects per hour while maintaining the COVID-safe distance of 6 feet. An FDA approved thermal camera measures the body temperature of each inmate to provide an early indication of COVID-19 and other infections.

CONTACT US



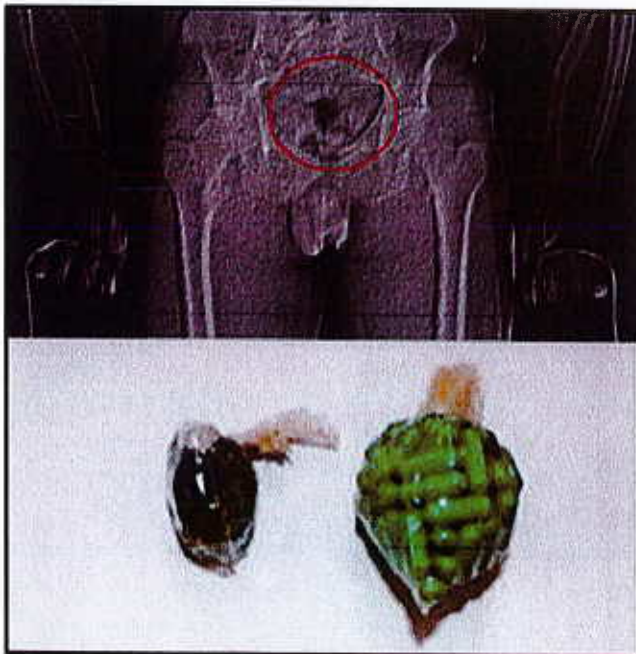




### Dual Virtual-Wall

Detects subject out of position  
Dual Virtual-Wall

- Notifies the operator
- Prevents scanning
- Stops inprogress scans
- ANSI N4317 Compliant
- Configurable for local requirements



An actual seizure from a US Jail in 2020. A routine scan at booking showed a dark anomaly, consistent with an object concealed in the rectum. When confronted, the subject removed two balloons, one containing cannabis gummies and the other sleeping pills.

## **Intercept™ Specifications**

### **Physical**

Footprint: 34" x 72" (86 x 183 cm)  
Height: 90" (211 cm) Assembled  
79" (201 cm) top removed for transport  
Weight: 720 lbs (328 kg)

### **Electrical**

Power: 100/120/230 VAC, 50/60 Hz, 800 watt  
Tolerant of poorly regulated power

### **Environmental**

Operating: 32-120°F (0- 50° C)  
Humidity: Less than 95%, noncondensing

### **Radiation Safety**

Dose: General-use: 25 uRem (0.25 uSv) per scan, suitable for daily screening;  
Limited-use: up to 200 uRem (2.0) uSv per scan, suitable for weekly screening;  
effective dose to subject measured in accordance with ANSI/HPS N43-17-2009  
Leakage: Inspection zone is the scanner footprint;  
<0.2 mR (2 uGy) in any 1 hour  
Standards: Complies with ANSI/HPS N43.17-2009 (Body Scanner Radiation Safety )  
Complies with ANSI/IEEE N42.47-2010 (Body Scanner Image Quality)

Intercept is protected under U.S. patents: 10,481,295, 10,705,244, 10,705,245, and 10,845,500. International and other US patents pending.

## **Quick, Convenient, Reliable**

### **Ultra-Small Footprint**

The Intercept scanner is compact, requiring a floor space of only 34" x 72". Other body scanners require up to three times this area. The built-in

wheels and removable roof makes installation and relocation quick and easy.

### **Shipped Fully Assembled**

The Intercept scanner is shipped fully assembled and moved through doorways as small as 35" wide and 80" high. Other body scanners are shipped on multiple pallets and built on site over several days.

### **Made in the USA**

Intercept is the only inmate body scanner made in the USA. Tek84 employees are your friends, relatives, and neighbors. Competing body scanners are made in China, Belarus, Brazil, and Western Europe.

## **County Sheriffs Praise Intercept**







Captain Earl Mays III  
911 E Musser St.  
Carson City, NV 89701  
Emays@carson.org

11 Aug 21

Quo: 2021-08-13

Please see the quotation below for the Tek84 Intercept Whole Body Scanner:

Qty	Part Number	Description	Net Ea	Ext. Price
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1	INT- INSTALL	½ Day Installation	INC	INC
1	INT- TRAINING	2.5 Days Formal On Site Operator Training	INC	INC
1	INT-WARRANTY-6	Six Year Parts and Labor on Entire System from time Of Install- ( First year is included at no cost)	\$7,500	\$37,500.
1	SSD-017-9950	Integrated Thermal Camera with Temperature Measurement	\$20,000	\$20,000
1	INT-SHIPPING	Shipping Cost from Poway, CA to Carson, City, NV	INC	INC
TOTAL				\$196,500

DAP: Destination, Carson City, NV  
Terms: Net 30 Days  
Taxes: ADD as Necessary or provide exemption certificate  
Quote Expiration: Sep 11, 2021

Accepted By:  
Printed Name and Title \_\_\_\_\_

**Tek84:**  
Kent E Smart, Vice President, Domestic Sales

Authorized Signature \_\_\_\_\_ Date \_\_\_\_\_

Authorized Signature: Date 8/11/2021

13495 Gregg Street  
Poway, CA 92064  
Phone: 858-676-5382  
www.Tek84.com



# INTERCEPT™



## Full Body Scanner– External and Internal



Detects both metallic and nonmetallic threats, including weapons, drugs, cell phones and other contraband. Screens from below the feet to above the head, revealing items under the clothing and within the body.

- ✓ Widely used in US jails
- ✓ Subject doesn't move
- ✓ Quick 3.8 second scan
- ✓ Ultra-small footprint
- ✓ 2-hour installation
- ✓ Photo ID tied to scan
- ✓ Buy with Covid ARP funds!!

 **Tek84**  
Advanced Security Screening



# INTERCEPT™

## Internal and External Threat Detection

### Easy to use – Widely Accepted

More than 2,000 jails, prisons and other detention facilities rely on x-ray body scanners to search inmates. The subject simply stands on the Intercept stationary platform for a quick 3.8 second scan. Instantly, a detailed x-ray image appears on the high-resolution monitor, showing objects hidden under the clothing and within body cavities.

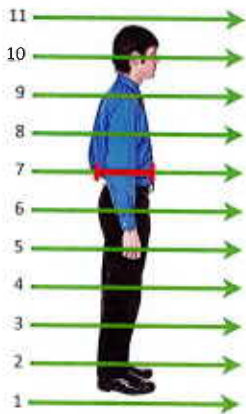
### Extremely Safe – Regulated by the FDA

Airport body scanners only detect items hidden under the clothing, not within the body. Intercept is different, transmitting a weak x-ray beam completely through the subject. The scanned images appear similar to medical exams, but use less than 1% of the x-ray level. Federal safety standards allow each person to be screened up to 1,000 times per year on the lowest setting, allowing daily use. Intercept's highest setting produces more detailed images, with up to 125 scans per year.

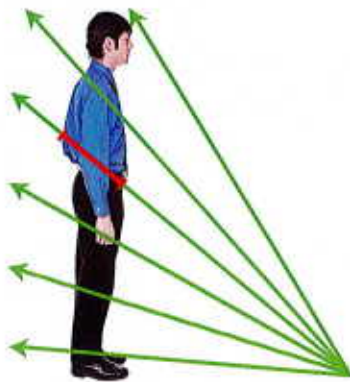
### Better Images, Lower Dose, No Distortion

As shown below, Intercept's scanning beam passes through the person directly from back to front. This is the shortest distance possible through the body, about 11 inches in thickness. In contrast, other products scan at an *angle*, requiring the beam to pass through about 16 inches of tissue. This five inches of extra thickness has a devastating effect on image quality and dose, making a 140 lbs person look like 300 lbs!

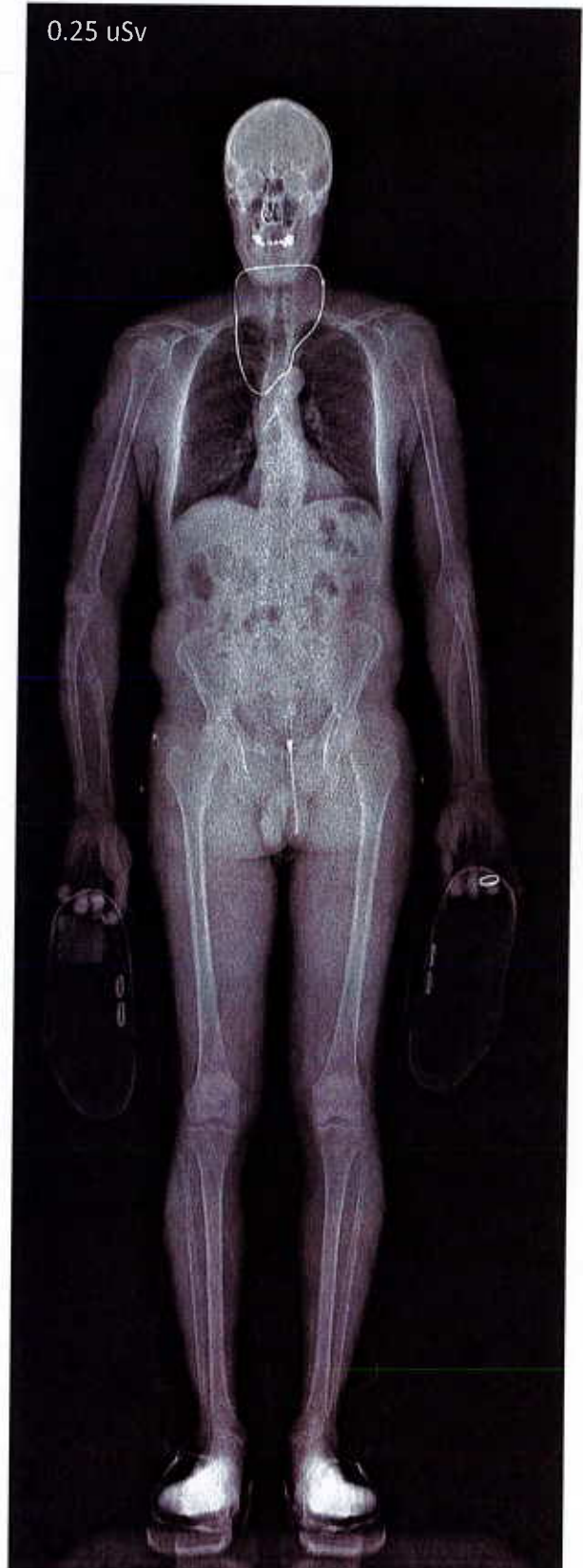
Just as important, this means that Intercept's images have no distortion; the belly button appears directly in front of the small of the back, as it should. With angled x-ray scanning, the belly button appears at the same location as the shoulder blades, making image analysis extremely difficult.



The Intercept beam passes through about 11 inches of body tissue in the torso.



Other scanners use an angled path, making the beam pass through about 16 inches.



A typical image from Intercept on the lowest setting, 0.25 uSv. Items: teeth fillings, neck chain, object in shoe heel, ring and zipper. Intercept can operate at up to 200 uRem for even better image quality.



[Sales@Tek84.com](mailto:Sales@Tek84.com)  
858-676-5382



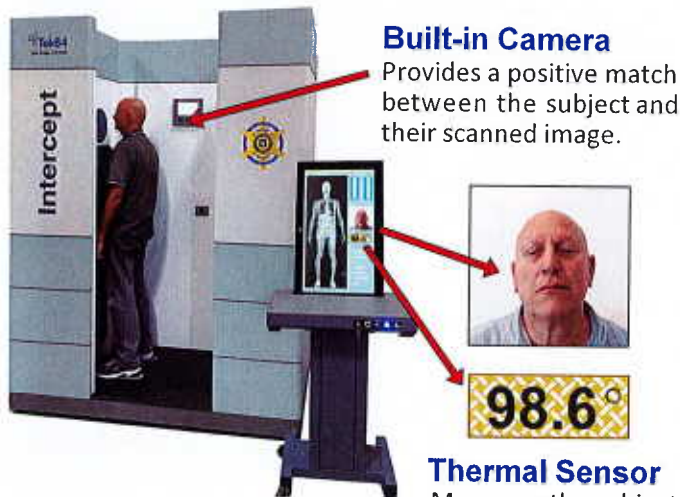
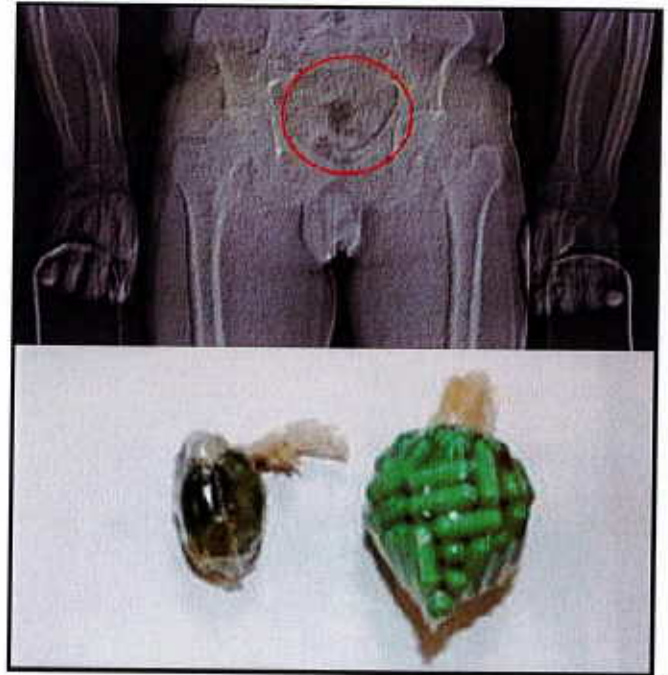
## The Critical Difference: Vertical Scanning

Intercept is a true breakthrough. Other scanners require the person to stand for 7-14 seconds on a moving conveyor belt or platform, transporting them *horizontally* through the x-ray beam. Intercept's patented technology is different; the subject remains stationary, while the scanning apparatus moves *vertically* around them. Why is this better?

- **Best image quality, lowest dose.** Because the beam always passes through the minimum body thickness.
- **Subject safety.** Subjects are often handcuffed, intoxicated, and/or combative. The last place you want them standing is on moving equipment.
- **A quick 3.8 second scan.** Other body scanners require 7-14 seconds, the fastest you can move a person on a conveyor.
- **Ultra-small footprint.** At only 34" deep and 72" wide, Intercept can fit just about anywhere. The footprint of other scanners needs to be about 8' x 8' to move the person.
- **Ultra-small safety zone.** Federal standards require a safety zone around body scanners, where operators and bystanders are prohibited during operation. This is typically a 20' diameter circle around other scanners. Intercept's unique construction allows sophisticated internal radiation shielding, making the safety zone nothing more than the *footprint of the scanner*.
- **Easy Installation and Relocation.** Intercept installs like a refrigerator. It ships fully assembled on wheels, rolls through standard doorways, and plugs into a standard wall socket. A typical installation is 2-hours. Other scanners are too large to install this way; they ship on multiple pallets and build on site.

## Case Study: Internal Detection of Drugs

An actual seizure from a US Jail in 2020. A routine scan at booking showed a dark anomaly, consistent with an object concealed in the rectum. When confronted, the subject removed two balloons, one containing cannabis gummies and the other sleeping pills.



### Built-in Camera

Provides a positive match between the subject and their scanned image.

### Thermal Sensor

Measures the subject temperature, detects fevers, fights Covid.



### Dual Virtual-Wall

- Detects if the subject is out of position
- Notifies the operator
- Prevents scanning
- Stops in-progress scans
- ANSI N43-17 Compliant
- Configurable for local requirements



**MADE IN  
THE USA**

**Tek84 proudly makes Intercept in the USA. Competing products are imported from China, Brazil, Belarus & Western Europe.**

## Join Hundreds of Jails & Prisons Using CARES and ARP Funds to Buy Body Scanners

Intercept detects concealed threats while reducing Covid transmission— making it an ideal purchase for your unused CARES and American Rescue Plan funds. One staff member can screen up to 180 subjects per hour while maintaining the required 6-foot Covid-safe distance. An FDA approved thermal camera measures the body temperature of each subject to provide an indication of Covid-19 and other infections.

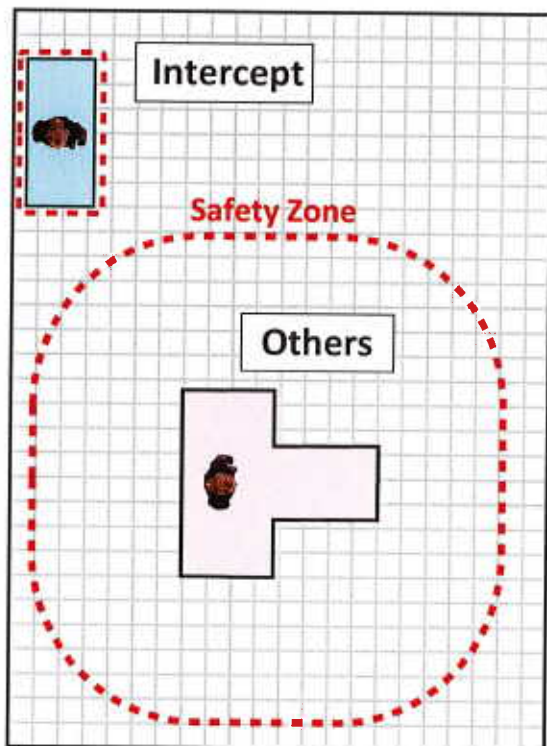
# INTERCEPT™

Quick, Convenient, Reliable

## Ultra-Small Footprint and Safety Zone

Intercept is extremely compact, requiring a floor space of only 34" x 72". Other body scanners require three times this area. But more important is the **Safety Zone**, where bystanders & operators must be excluded during operation. The Safety Zone for Intercept is nothing more than the scanner footprint. The Safety Zone for other scanners is enormous, 5 to 8 feet away in all directions.

The small footprint, no additional Safety Zone and easy movement allows Intercept to fit just about anywhere. Many facilities even operate Intercept in a hallway, with nothing more than a standard wall plug being needed.



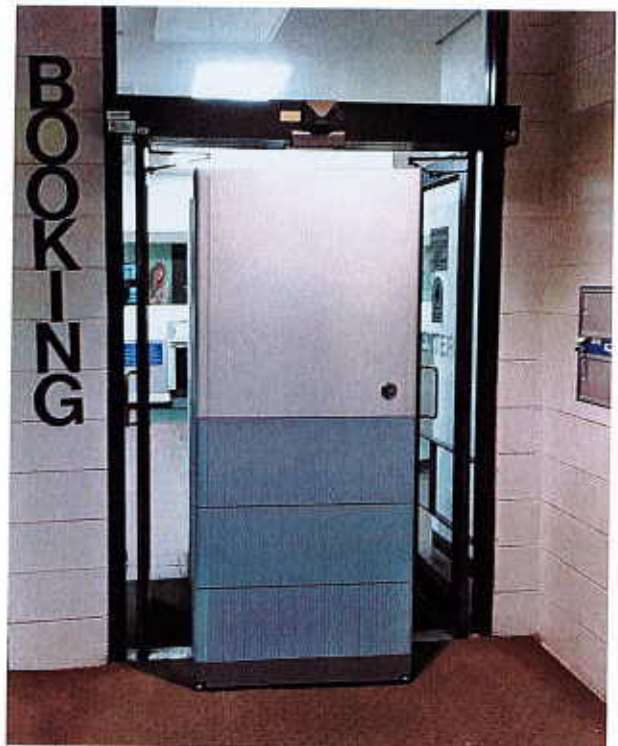
Each square = one foot



13495 Gregg Street, Poway, CA 92064

858-676-5382 Sales@Tek84.com

Tek84 develops and manufactures high-technology security products for screening and surveillance. For over three decades we have pioneered the use of ultra-low-dose x-ray imaging. Our products rapidly & safely screen for weapons, explosives, drugs, and other contraband. Our engineers created the world's first body scanner (1991); highest resolution surveillance camera (2001); the first drive-through car bomb detection portal (2009); and Intercept, the first inmate scanner with vertical scanning technology (2018).



Intercept is shipped fully assembled and can be pushed through standard doorways. A typical installation is less than 2-hours. Other body scanners must be shipped on multiple pallets and built at the site over several days.

## Intercept™ Specifications

### Physical

Footprint: 34" x 72" (86 x 183 cm)  
Height: 90" (211 cm) Assembled  
79" (201 cm) top removed for transport  
Weight: 720 lbs (328 kg)

### Electrical

Power: 100/120/230 VAC, 50/60 Hz, 800 watt  
Tolerant of poorly regulated power

### Environmental

Operating: 32-120°F (0- 50° C)  
Humidity: Less than 95%, noncondensing

### Radiation Safety

Dose: General-use: 0.25 uSv (25 uRem) per scan, suitable for daily screening;  
Limited-use: up to 2.0 uSv (200 uRem) per scan, suitable for weekly screening;  
effective dose to subject measured in accordance with ANSI/HPS N43.17-2009  
Leakage: Inspection zone is the scanner footprint; <2 uGy (0.2 mR) in any 1 hour  
Standards: Complies with ANSI/HPS N43.17-2009 (Body Scanner Radiation Safety )  
Complies with ANSI/IEEE N42.47-2010 (Body Scanner Image Quality)

Intercept is protected under U.S. patents: 10,481,295, 10,705,244, 10,705,245, and 10,845,500. International and other U.S. patents pending.



Intercept

