

Sole Source Justification

Lincoln-Lancaster County Purchasing
440 S. 8th Street, Suite 200
Lincoln, NE 68508

Sole Source – Commodity: When an item or service is available from only one source due to the unique nature of the requirement, its supplier, or market conditions. Agency must clearly justify why this product cannot be competitively bid on this form.

Complete Sole Source Request, and attach a letter from the manufacturer, not a sales representative, on their company letterhead or other documentation stating they are the only provider of the product or service.

Requisition Number (If applicable): _____ **Department:** Sheriff's Office

Department Contact: Chad Bryant/Jason Mayo **Title:** Sergeant/Sergeant

1. Explain why this product is necessary and what specifications are required to meet the need.

To safely and effectively scan for concealed compartments and contraband in vehicles, residences ect without destroying property.

A single unit comprised of a handheld backscatter x-ray device, with included display screen, capable of scanning through gas tanks, through side walls of metal, tires, walls ect that can be operated by a single person.

2. Explain how and why ONLY the designated product meets the need. In general, what is there about the equipment/supplies which require that it be procured only from a single source? Why is the manufacturer or source uniquely qualified to provide the required item?

There is no manufacturer that makes a handheld backscatter x-ray machine that has an included display screen to see results in real time as the area is scanned.

3. Specifically name, by manufacturer and model, or by provider, other products that were researched. (If fewer than 3, please explain)

AS&Z Mini-Z

4. State specifically how and why the other products researched do not meet the need.

The Mini-z was tested and doesn't have a display screen included in unit to observe results real time. This unit takes two people at once to operate. It also is not able to scan through gas tanks. Therefore it doesn't meet our requirements.

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5. Describe any effort to identify other sources to furnish the required items. If no efforts were undertaken, state the reasons for not doing so. If other sources were contacted, state by whom and briefly, results.

There are only two (2) units that are capable of scanning items with a handheld device. The other one tested, Mini-Z is NOT capable of doing the job required and two people are needed to operate it roadside. It is not able to scan through gas tanks and has multiple parts/persons required to obtain real time results.

6. Are the specifications for the item or equipment proprietary (i.e. patented, trademarked, exclusive) to the single source? If so, how was this determined?

Single source letter attached. Extensive research done on a national level to attempt to locate any other device capable of doing this highly specific job. No other source was located.

7. Can generic specifications which set forth the minimum requirement for the needed purchase be developed? If not, explain why this cannot be competitively bid.

No. Highly specific job and unit. No other vender has this item.

8. What steps are being taken to insure that future acquisitions of these supplies are made competitively?

Continued research will be conducted to ensure that no other competitive items are developed that are able to complete this job.

By signing below, I am aware of and do justify the reasons as shown above for this purchase. The requesting department is solely responsible for the determination of facts supporting this request, and

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03/15/2017

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acknowledges Purchasing will rely on the requesting agency's accurate and complete reporting of facts when making a decision to approve or not to approve this request.

Jerry L. Wagner

(Elected Official/Director Signature)

8-16-17

(Date)

(Purchasing Agent)

(Date)



August 11, 2017

Sargent Jason Mayo
Lancaster County Sheriff's Office
Criminal Interdiction Unit
HIS/TFO
Lincoln, NE 68508

Re: HBI-120 Sole Source

To Whom It May Concern,

Heuresis Corp. is the manufacturer and sole US distributor of the HBI-120 Handheld Backscatter Imager. It is not offered domestically through distributors or dealers.

If your program should have any questions or require additional information or documentation, please don't hesitate to contact me directly, either via email, or on my mobile phone at 978-846-0652.

Regards,

A handwritten signature in black ink, appearing to read "Jon Shein", with a long horizontal flourish extending to the right.

Jon Shein
VP of Sales & Marketing

Lancaster County, Nebraska

REQUISITION FORM

Name of person requisitioning:		Dep. John McGahan		Requisition Number (optional):			
Delivery Location:		Lancaster County Sheriff's Office 575 South 10 th Lincoln, NE 68508		Date Prepared:		8-10-2017	
Suggested Vendor:		Heuresis Corporation 330 Nevada St. Newton, MA 02460 (617) 467-5526		Date Requested:		ASAP	
		27		For Budget Year:		2017-2018	
		6590		Purchase Order Number			
67495	HBI-120 Handheld X-Ray Imager	1	\$42,400.00	\$42,400.00			
Total				\$42,400.00			

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Do Not exceed 1 vendor per requisition

The undersigned hereby certifies that the above requisitioned material and/or service is included in the current appropriation

Route completed requisition to:

City/County Purchasing Division



440 So. 8th Street, SW Wing, Suite 200,
Lincoln, NE 68508

Department Head

Office/Agency/or

HBI-120

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HBI-120 Handheld X-Ray Imager

Heuresis' HBI-120 is a rugged, ergonomic, handheld backscatter x-ray instrument that enables users to quickly and cost-effectively find concealed explosives, narcotics and other contraband, even through 12-gauge (over 2 mm thick) steel – more than twice the thickness of typical motor-vehicle body panels – with none of the limitations of portable transmission x-ray systems. The HBI-120 weighs only 6.6 lbs. (3.0 kg) and images objects with a miniaturized, internal 120 keV x-ray generator that makes a raster-scanning pencil beam of x-rays to scan objects of interest. As the handheld HBI-120 is moved over the object, a 2-dimensional backscatter x-ray image of the object is displayed in real-time on HBI-120's high-resolution transfective LCD touchscreen and saved in the instrument's memory.

Older portable transmission x-ray systems require the x-ray source module and the detector module to be placed and aligned (with the source on one side of the object and the detector on the other side) before an x-ray image can be taken. Sometimes it is not possible to place the source and detector where they are

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imager you can scan small or large objects and see what's inside immediately. Scan up to a square foot (30 by 30 cm) per second and see high-contrast backscatter xray images of concealed threats – in vehicle fenders, doors, bumpers, exhaust manifolds, dashboards, seats and tires. Find improvised explosive devices (IEDs) in backpacks and similar threats in seconds, even in tight corners and next to the ground.

Heuresis' HBI-120 is the first-ever handheld x-ray imager that enables customs and border patrol agents and other inspectors to quickly find concealed threats and contraband in motor vehicles, ships, aircraft, steel drums, trash receptacles, mailboxes and other locations. The HBI-120 lets law-enforcement officers, private security personnel and others to quickly inspect abandoned bags and packages for threats without opening them. The HBI-120 has safety interlocks, a built-in video camera and flashlight. The instrument can also be mounted on a robot and operated remotely via USB cable, Wi-Fi or Bluetooth radio control. The Wi-Fi and Bluetooth radios can be disabled for safety purposes.

Specifications

Weight

3.0 kg (6.6 lbs.) including battery pack

Size

24 cm (9.4") x 22 cm (8.7") x 17 cm (6.7")

Scan Speed

Up to 30 cm (12") per second

15 cm (6") per second for optimal image quality

Batteries

Rechargeable Li-ion battery packs

4-hour battery pack life with typical duty cycle

Display

Transflective 720 x 1,280 pixel color touchscreen LCD

Imaging Features

Image stitching; automated and manual histogram enhancement

X-Ray Generator

120 keV, 5 W x-ray generator with Heuresis x-ray optics

Data Storage

> 10,000 image scans

Data Management

Heuresis Data Management Software (HDMS)

Standard Accessories

Lockable waterproof case with wheels

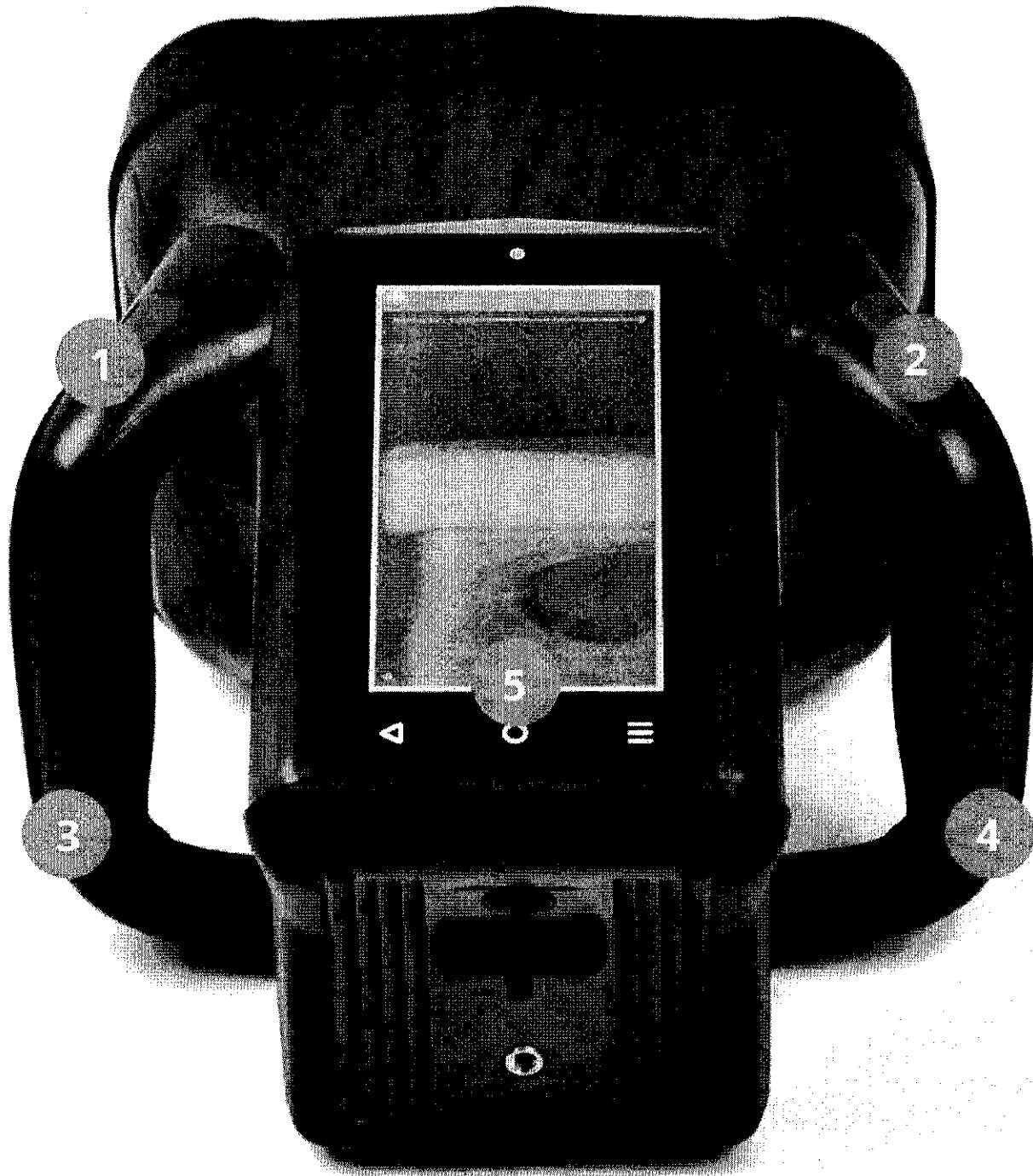
Multi-position adjustable safety strap

110/220 V AC battery charger and spare battery pack

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- 1 & 2 Dual safety triggers to initiate a scan with either hand
- 3 & 4 Ergonomic handles for scanning in any orientation
- 5 Transflective, Sunlight readable 720 x 1280 pixel color touchscreen LCD with Android operating system

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Operating Conditions

-40 °C (-40 °F) to 60 °C (140 °F). Splash and dust proof

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HBI-120 PRODUCT FEATURES

Choose a category below to learn about the features and technology that make the HBI-120 the most advanced device of its kind in the world.

Easy to Use

Safe to Operate

Connections

Built for Speed & Performance

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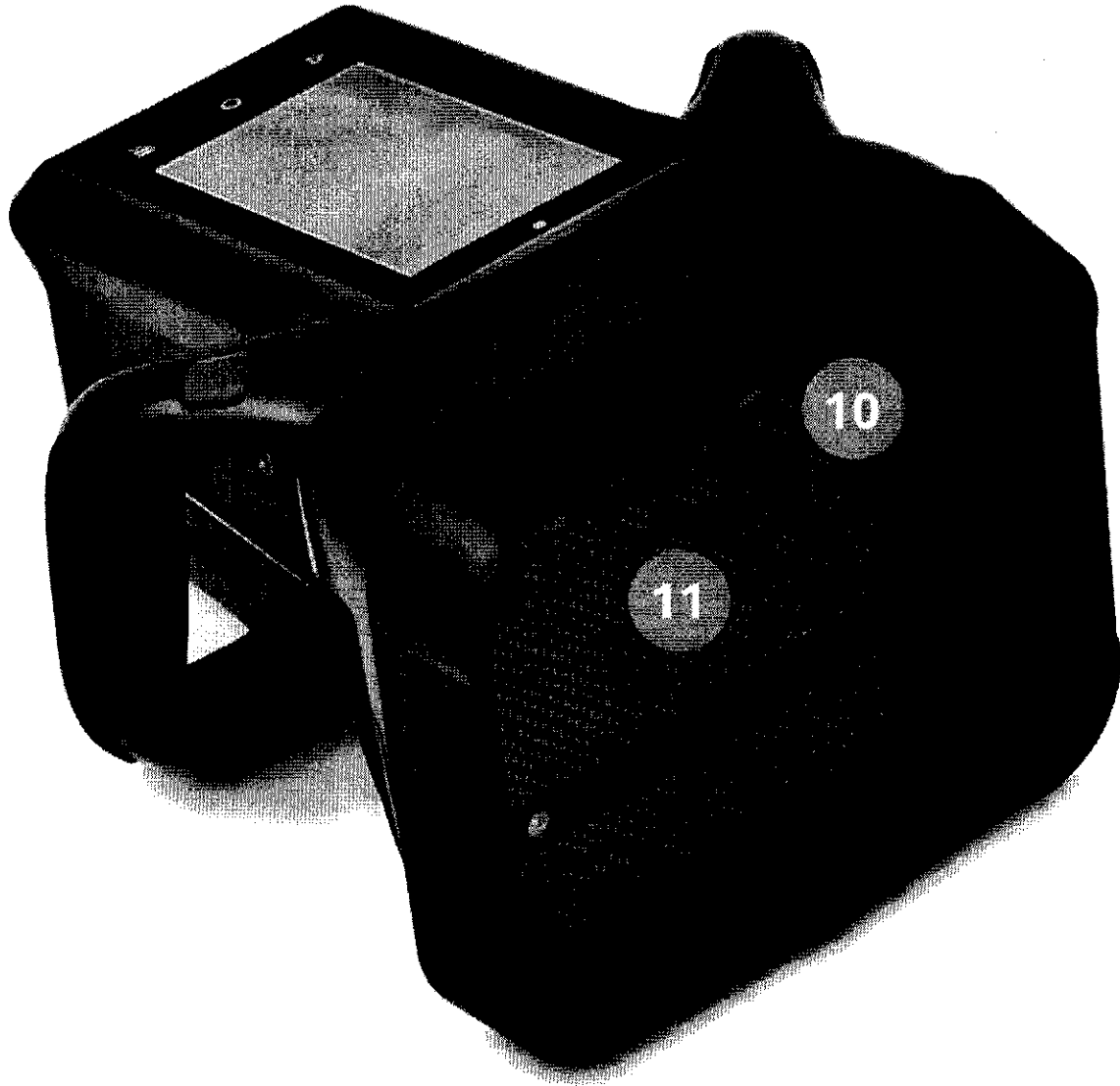
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Built for Speed & Performance



10 Dual channel detectors with Heuresis optimized optics for fast scans with optimal image quality

11 Built-in camera, flashlight, and alignment lasers to show scan areas

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