

November 6, 2020

To:

Oxnard Union High School District
309 South K Street
Oxnard, CA 93030
Attn: Deanna Rantz
Director of Purchasing
Phone/Fax: (805) 385-2519
Email: Deanna.Rantz@oxnardunion.org

Subject: For Bids: #641 Thermal Body Scanners

Dear Ms. Deanna Rantz;

Cantronic Systems (Canada) Inc. is a global technology leader in Body Temperature Scanning, infrared thermal imaging and night vision systems. Cantronic manufactures and distributes Body Temperature Scanners, active and passive infrared imaging and night vision cameras since 1992. These complex systems are special designed and used for monitoring elevated body temperature, protecting and managing facilities and people. Cantronic has supplied systems for use in demanding military, public education & health, homeland security, and industrial applications.

Cantronic products are developed and manufactured at our Coquitlam, British Columbia production facility and our suppliers are North American based which keeps our product security compliant fluid inventory levels.

As we are the only manufacturer in North America, we are able to offer more easily available inventory throughout Canada/North America. Our solutions have been in place around the world and still in use since 2003 SARS time. In fact, Mr. James Zhan, CEO of Cantronic who was the first Scientific Engineer invented Thermal Body Scanners by using infrared technology to measure elevated body temperature when he was called by Health Canada to detect SARS victims and stop the spread of SARS virus in 2003. He received HER

MAJESTY THE QUEEN'S The Golden Jubilee Medal for his invention and contribution, which is the highest civilian award in Canada.

Thermal Body Scanners are a first line of defense as an ongoing pre-screening security measure when implemented, assists in eliminating the contamination of virus through personnel.

Cantronic is proud to provide our world class FeverScan M3000SD3 model to assist your school reopen to detect COVID-19 victims and preventing the spread of deadly COVID-19 virus to your students and staffs.

Please see enclosed following documents for Bid: 641 Thermal Body Scanners:

1. Bid Form and Proposal
2. Bid Security Documents -copy of Certified Cheque (Original hard Copy was delivered on November 7, 2020)
3. Non-Collusion Declaration
4. Required Specifications Comparison with CANTRONIC'S M3000SD3
5. Product Datasheet for M3000SD3

Should you have any question, please feel free to contact Helen Leung at hleung@cantronics.com or cell (604) 808-5031. Thanks!

Yours truly,



Helen Leung (Nee Zhan)

Director and Vice President

BID FORM AND PROPOSAL

To: Governing Board of the Oxnard Union High School District ("District" or "Owner")

From: CANTRONIC SYSTEMS (CANADA) INC.
(Proper Name of Bidder)

The undersigned declares that Bidder has read and understands the Bid Documents, including, without limitation, the Notice to Bidders and the Instructions to Bidders, and agrees and proposes to furnish all necessary labor, materials, and equipment to perform and furnish all work in accordance with the terms and conditions of the Bid Documents, including, without limitation, the Specifications of

Bid No. **641** ("Project") and will accept in full payment for that Work the following total lump sum amount, all taxes included:

Thermal Body Scanners

Specifications:

Sensor Type:	Amorphous Silicon Microbolometer
Thermal Resolution:	384 x 288
Spectral Response:	7-14µm
Drift Compensation:	Real-time continuous calibration (ext. TRS)
Thermal Accuracy:	±0.18°F
Measurement Range:	86°F to 113°F
Sensitivity:	≤50mK nominal
Horizontal Field of View:	24.6°
Sensor Type:	CMOS 1/3" Sensor
Day Resolution:	2688 x 1520 (4MP)
Horizontal Field of View:	Digitally synchronized to thermal image
Frame Rate:	Up to 50FPS
Contrast:	Automatic
Brightness:	Automatic
Isotherm Color Display:	Pseudocolour specifically for fever screening
Temperature Trigger:	User-defined temperature trigger threshold
Febrile Tracking:	Yes (Synchronized dual-sensor tracking)
Zoning:	Yes
Masking:	Yes
Alarm:	Audiovisual with intelligent febrile tracking
Storage:	Micro SD Card (Up to 256 GB) or/and NVR
Recording Output:	1080p
USB Connector:	USB 3.0 x 1, USB 2.0 x 2
Input Voltage:	110 – 230V AC
Operating Temperature:	60°F to 91°F
Storage Temperature:	-40°F to 185°F
Installation Options:	Wall Mounted, Ceiling Mounted or Mobile Pedestal

SCHOOL SITE	Total Quantity	Delivery Charge	Price Per Unit	TOTAL PRICE per SITE
Adolfo Camarillo HS	3	Included	\$5870.00	\$17,610.00
Channel Islands HS	3	Included	\$5870.00	\$17,610.00
Frontier HS	2	Included	\$5870.00	\$11,740.00
Hueneme HS	3	Included	\$5870.00	\$17,610.00
Oxnard HS	3	Included	\$5870.00	\$17,610.00
Pacifica HS	3	Included	\$5870.00	\$17,610.00
Rancho Campana HS	2	Included	\$5870.00	\$11,740.00
Rio Mesa HS	3	Included	\$5870.00	\$17,610.00
Annual Support (20 Hours) 12 Months from Receipt of Goods	20 Hours		\$0.00	\$0.00
Annual Inspection of All Units (postage paid by supplier)	22		\$0.00	\$0.00
2-Year Warranty	22		\$0.00	\$0.00
Base Bid	22			\$129,140.00

Bidder acknowledges and agrees that the Base Bid accounts for any and all costs.

Bidder will supply the units within 29 calendar days of receipt of Purchase Order.

- A. The undersigned has reviewed the Work, Equipment and Specifications outlined in the Bid Documents and fully understands the scope of Work required in this Proposal, understands the delivery and project management function(s) described in the Bid Documents, and agrees that its Proposal, if accepted by the District, will be the basis for the Bidder to enter into a contract/purchasing order with the District in accordance with the intent of the Bid Documents.
- B. The undersigned has notified the District in writing of any discrepancies or omissions in the Bid Documents and has contacted the District Contact before bid date to verify the issuance of any clarifying Addenda.
- C. The undersigned agrees to deliver the units within the calendar days contractor specifies on this Bid Form.
- D. It is understood that the District reserves the right to reject this bid and that the bid shall remain open to acceptance and is irrevocable for a period of ninety (90) days.
- E. The following documents are attached hereto:
 - Bid Bond on the District's form or other security
 - Non-Collusion Declaration
 - Product Specifications

F. Receipt and acceptance of the following Addenda is hereby acknowledged:

No. _____, Dated _____	No. _____, Dated _____
No. _____, Dated _____	No. _____, Dated _____
No. _____, Dated _____	No. _____, Dated _____

G. Bidder hereby certifies that Bidder is able to furnish labor and equipment requested in this Bid Document.

Furthermore, Bidder hereby certifies to the District that all representations, certifications, and statements made by Bidder, as set forth in this bid form, are true and correct and are made under penalty of perjury.

Dated this 6th day of November 2020

Name of Bidder: CANTRONICS SYSTEMS (CANADA) INC.

Type of Organization: Manufacturer

Signed by: Helen Leung (Nee Zhan) 

Title of Signer: Director and Vice President

Address of Bidder: Unit 8, 62 Fawcett Road, Coquitlam, BC V3K 6V5

Taxpayer Identification No. of Bidder: 81467 2275 RT0001, & 85-2486755

Telephone Number: 1-866-391-6970

E-mail: hleung@cantronics.com

END OF DOCUMENT

Check Date

Check No.

001121

VOUCHER ID	INVOICE DATE	INVOICE ID	4-Nov-2020 USD GROSS	DISCOUNT	NET PAYMENT AMOUNT
		Bid Bond Certified check for Bid: #641 Thermal Body Scanners			\$28,000.00
		Oxnard Union High School District			\$28,000.00

CANTRONIC SYSTEMS (CANADA) INC.

Check Date

4-Nov-2020

Check No.

001121

VOUCHER ID	INVOICE DATE	INVOICE ID	GROSS	DISCOUNT	NET PAYMENT AMOUNT
		Bid Bond Certified check for Bid: #641 Thermal Body Scanners			\$28,000.00
		Oxnard Union High School District			\$28,000.00

07360-004

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THIS DOCUMENT CONTAINS SECURITY FEATURES - SEE DETAILS ON REVERSE



63A Clipper Street, Coquitlam, BC V3K 6X2
Phone 604-516-6667 Fax 604-516-6618

1022 AUSTIN AVENUE
COQUITLAM, BRITISH COLUMBIA V3K 3P3

00 07360-004

TD CANADA TRUST
HAN-IN VILLAGE BRANCH
329 NORTH ROAD., STE.400
COQUITLAM, BC V3K 3V8

US Dollar Account

001121

DATE 4-Nov-2020

AMOUNT \$28,000.00

PAY ***Twenty-eight Thousand and 00/100 dollars***

CERTIFIED CHEQUE
DO NOT DESTROY

CANTRONIC SYSTEMS (CANADA) INC.

TO THE ORDER OF OXNARD UNION HIGH SCHOOL DISTRICT

REF: Bid Bond Certified check for Bid: #641 Thermal Body Scanners

PER

7304860

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9011500⑈

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DO NOT DESTROY

ENDORSEMENT - SIGNATURE OR STAMP

BACK/ENDOS

CERTIFIED CHEQUE
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NON-COLLUSION DECLARATION

STATE OF CALIFORNIA

COUNTY OF British Columbia, Canada

Helen Leung being first duly sworn, deposes

and says that he/she is Director and Vice President
(Title)

of Cantronic Systems (Canada) Inc., the party making the foregoing
(Name of Bidder)

bid; that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company associations, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

[Signature]
(Signature)

Helen Leung (Nee Zhan)
(Typed Name)

SUBSCRIBED BEFORE ME on this 4th day of NOVEMBER, 2020

[Signature]
Notary Public

**A Notary Public in and for the
Province of British Columbia
JAMES L. ROBINSON
Permanent Commission**

**JAMES L. ROBINSON
NOTARY PUBLIC
240 - 1140 Austin Ave.
Coquitlam, B.C. V3K 3P5
Tel (604) 931-1202
Fax (604) 931-1206**



Commission Expires _____

FR 641
dy Scanners

OXNARD UNION HIGH SCHOOL DISTRICT

Required Specifications Comparison with CANTRONIC'S M3000SD3

Bid: 641 Thermal Body Scanners

Required Specifications		CANTRONIC'S M3000SD3 Specifications		COMMENTS
Thermal Camera		Thermal Camera		CANTRONIC'S vs. Required
Sensor Type	Amorphous Silicon (-Si) microbolometer	Focal Plane Array	Amorphous Silicon Micro-bolometer	Equal
Thermal Resolution	384 X 288	Thermal Resolution	384 x 288	Equal
Spectral Response	7-14m	Spectral Range	7 -- 14 μm	Equal
Drift Compensation	Real time continuous calibration (ext. TRS)	Drift Compensation	Real time continuous calibration (ext. TRS)	Equal
Thermal Accuracy	±0.18°F	Thermal Accuracy	±0.18°F	Equal
Measurement Range	86°F to 113°F	Measurement Range	86°F to 113 °F	Equal
Sensitivity	≤50mK nominal	Sensitivity	≤ 50mK nominal	Equal
Horizontal Field of View	24.6°	Field of View	Horizontal 24.6°	Equal
Colour Camera		Visual Camera		Equal
Sensor Type	CMOS 1/3" Sensor	Image Sensor	1/3" CMOS Sensor	Equal
Day Resolution	2688 x 1520 (4MP)	Day Resolution	4MP (2688 X 1520)	Equal
Horizontal Field of View	Digitally synchronized to thermal image	Horizontal Field of View	Digitally synchronized to thermal image field of view	Equal
General		Display, Alarm & Data Storage		
Frame Rate	Up to 50FPS	Frame Rate	up to 50FPS	Equal
Contrast	Automatic	Contrast	640 x 480 on screen/processing, contract and brightness adjustment automatic	Equal and Better
Brightness	Automatic	Brightness	640 x 480 on screen/processing, contract and brightness adjustment automatic	Equal and Better
Isotherm Colour Display	Pseudocolour specifically for fever screening	Visual Alarm	User definable isotherm color display for fever screening and alarm trigger thresholds	Equal
Temperature Trigger	User defined temperature trigger threshold	Visual Alarm	User definable isotherm color display for fever screening and alarm trigger thresholds	Equal and Better
Febrile Tracking	Yes (Synchronized dual sensor tracking)	Febrile Tracking	Digitally synchronized to thermal image field of view	Equal
Zoning	Yes	Zoning	Yes	Equal
Masking	Yes	Masking	Yes	Equal
Alarm	Audio visual with intelligent febrile tracking	Alarm Function	Ignore Mode or Save Alarm Mode, Audiovisual with intelligent febrile tracking, Sound/Visual/network alarm, user selectable email notification of alarm triggered event	Equal and Better
Storage	Micro SD Card (Up to 256 GB) or/and NVR	Data Storage	Micro-SD card (up to 256 GB) and/or Network Video Recorder	Equal
Recording Output	1080p	Recording Output	1080p	Equal
Operation Mode		Operation Mode	Standalone or Network, user configurable	Better
Scanning Mode		Scanning Mode	Mass screening and enhanced single person, user selectable, FDA Guideline Compliant	Better
Installation Options	Wall Mounted, Ceiling Mounted or Mobile Pedestal	Installation Options	Wall Mounted, Ceiling Mounted, Tripod or Mobile Pedestal	Equal and Better
USB Connector	USB 3.0 x 1, USB 2.0 x 2	USB Ports	USB 3.0 x 1, USB 2.0 x 2	Equal
Input Voltage	110 – 230V AC	Power	110-230V AC input	Equal
Storage Temperature	-40°F to 185°F	Storage Temperatures	-40°F to 185°F	Equal
Operating Temperature	60°F to 91°F	Operating Temperatures	50°F to 95°F	BETTER
		Network Function		
		Supported Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, FTP, 802.1x, QoS, HTTPS, IPv6, SIP/SRTP	Better

Made in North America



Key Features

- Networkable real-time accurate mass fever-scanning
- Dual Vision (thermal and visual) system for easy screening
- Synchronized dual sensor febrile tracking
- Zoning and Masking
- Pre-definable values for abnormal temperatures
- Grayscale image using red to indicate high temperatures.
- Adjustable display palette temperature range
- Ability to "spot-check" with mouse for accurate crosshair temperature readings
- Customizable high-temperature alarm thresholds
- Drift compensation with real-time continuous calibration
- Turn-key system contains thermal camera head, scanning and display software, high accuracy real time temperature reference blackbody, and data acquisition/recording system.
- Standalone or Network operation modes, user configurable
- Mass screening and enhanced single person scanning modes

System Overview

The M3000SD3 system is designed for mass screening of public areas and is used to find individuals with elevated body temperatures. As a group of people walk pass the camera head, thermal and visual images are displayed on the nearby monitor(s). Body temperatures above a predefined value are displayed. Those individuals can then be diverted and further assessed by professionals.

Network is a significant feature for M3000SD3. Remote, real-time and high accuracy makes mass monitoring/scanning much easier and flexible. The dual sensor, visual/thermal, image comparison allows for easier/faster screening—the operator and control center can screen and identify at the same time.

The M3000SD3 can evaluate hundreds of people per minute—pedestrian flow is not restricted. The M3000SD3 is ideal for mass temperature screening as well as enhanced single person scanning in many public places: airports, railway/subway stations, bus depots, seaports, schools, supermarkets, factory entrances, office buildings and many other public facilities.

Specifications

Thermal Camera

Field of View	Horizontal 24.6°
Focal Plane Array	Amorphous Silicon Micro-bolometer
Image Frequency	7.5 Hz (NTSC) or 8.3 Hz (PAL), up to 50Hz (NTSC) or 60Hz(PAL) *
Spectral Range	7 -- 14 μ m
Thermal Resolution	384 x 288
Sensitivity	\leq 50mK nominal
Thermal Accuracy	\pm 0.18°F
Measurement Range	86°F to 113 °F

Visual Camera

Image Sensor	1/3" 4MP (2688 X 1520) CMOS Sensor
Horizontal Field of View	Digitally synchronized to thermal image field of view

Display, Alarm & Data Storage

Display	640 x 480 on screen/processing, contrast and brightness adjustment automatic
Visual Alarm	User definable isotherm color display for fever screening and alarm trigger thresholds
Alarm Function	Ignore Mode or Save Alarm Mode, Audiovisual with intelligent febrile tracking, Sound/Visual/network alarm, user selectable email notification of alarm triggered event
Data Storage	Micro-SD card (up to 256 GB) and/or Network Video Recorder
Recording Output	1080p
Frame Rate	Up to 50 FPS
Febrile Tracking	Dual Sensor Synchronized dual sensor
Zoning and Masking	Included

Network Function

Supported Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, FTP, 802.1x, QoS, HTTPS, IPv6, SIP/SRTP
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Operation Mode Standalone or Network, user configurable

Scanning Mode Mass screening and enhanced single person, user selectable, FDA Guideline Compliant

Installation Options Wall Mounted, Ceiling Mounted, Tripod or Mobile Pedestal

USB Ports USB 3.0 x 1, USB 2.0 x 2

Power 110-230V AC input

Temperatures Operating Temperature: 50°F to 95°F, Storage Temperature: -40°F to 185°F

* Any image frequency above 9 Hz requires an export license.

M3000SD3 System Illustration



Specifications are subject to change without notice

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