

The Republic of the Philippines

Supply, Delivery, Testing and Commissioning of Thermal Imaging Temperature Camera

**Project Reference No.
2020-SVP-TITC-032-01**



Supplemental Bid Bulletin No. 1

26 May 2020

SUPPLEMENTAL BID BULLETIN NO. 1

FOR SUPPLY, DELIVERY, TESTING AND COMMISSIONING OF THERMAL IMAGING TEMPERATURE CAMERA

1. NOTICE TO BIDDERS

Bidders are hereby notified of the amendments, revisions, modifications and clarifications to the Invitation to Submit Proposal dated 20 May 2020 for the Supply, Delivery, Testing and Commissioning of Thermal Imaging Temperature.

In any case, it is conclusively presumed that the Bidder, in preparing their bids, has taken into account the information and procedures set forth in the Invitation to Submit Proposal.

2. AMENDMENT TO THE PROVISION OF THE INVITATION TO SUBMIT PROPOSAL

A. The Submission and Opening of Proposal shall be amended to read as follows:

From

Kindly submit your proposal in electronic form (PDF with complete attachments) to the email address: BACSEC2020@psalm.gov.ph on or before 9:00 AM, 28 May 2020. Thereafter, proposals will be opened at 9:15 AM on the same date through video conferencing/webcasting via Zoom Cloud Meetings. The BAC Secretariat will send the meeting ID to the bidder/s prior to the opening of proposals.

To

Kindly submit your proposal in electronic form (PDF with complete attachments) to the email address: BACSEC2020@psalm.gov.ph on or before 9:00 AM, **02 June 2020**. Thereafter, proposals will be opened at 9:15 AM on the same date through video conferencing/webcasting via Zoom Cloud Meetings. The BAC Secretariat will send the meeting ID to the bidder/s prior to the opening of proposals.

B. The Terms of Reference shall be further amended to read as follows:

From

I. TECHNICAL SPECIFICATIONS

DESCRIPTION	SPECIFICATION
One (1) unit of Thermal Imaging Temperature Camera	
Thermal:	
Image Sensor	Vanadium oxide uncooled focal plane
Thermal Resolution	380 x 280
Pixel Pitch/Interval	17 μ m

DESCRIPTION	SPECIFICATION
Spectral Range/Response Waveband	8 μ m to 14 μ m
Thermal Sensitivity (NETD)	Less than 40 mK
Lens (Focal Length)	13mm
Field of View	Horizontal: 28° × Vertical: 21°
Aperture	F1.0
Focus Mode	Athermalized or Fixed-focal
Temperature Measurement Range	30 to 45 degrees Celsius (°C)
Temperature Accuracy with blackbody	± 0.3 degrees Celsius (°C)
Optical:	
Image Sensor	1/2.8" Progressive Scan CMOS
Resolution	1920x1080
IR Distance	Up to 35m
Focal Length	6mm
Focus Mode	Fixed
Field of View	H: 40° V: 22°
Shutter Speed	1s to 1/100,000s
Other Features:	
Video Compression	H.264 (Baseline/Main/High Profile) / MJPEG/H.265
Resolution	<p>Thermal Mainstream 50fps(1280 × 720, 704 × 576, 384 × 288, 352 × 288)</p> <p>Thermal Sub Stream 25fps(704 × 576, 352 × 288, 320 × 240)</p> <p>Optical Mainstream</p> <ul style="list-style-type: none"> • 50Hz: 25fps (1920 × 1080), 25fps (1280 × 960), 25fps (1280 × 720) • 60Hz: 30fps (1920 × 1080), 30fps (1280 × 960), 30fps (1280 × 720) <p>Optical Sub Stream</p> <ul style="list-style-type: none"> • 50Hz: 25fps (704 × 576), 25fps (352 × 288), 25fps (176 × 144) • 60Hz: 30fps (704 × 480), 30fps (352 × 240), 30fps (176 × 120)
Image Encoding Format	JPEG
Audio Compression	Any of the following: G .711mu / G .711u / G.711a / G.722.1 / MP2L2 / G.726 / PCM / AAC
Alert Response Time	Real-time. Support built-in Audio Alarm
Audio Input	1x 3.5 mm Mic in/Line in interface. Line input: 2 - 2.4 V [p-p], output impedance: 1 K Ω ± 10%
Audio Output	Linear Level; Impedance: 600 Ω

DESCRIPTION	SPECIFICATION
Network Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour
Security	Password protection, HTTPS encryption, 802.1X authentication (EAP-TLS 1.2, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, RTP over HTTPS
Temperature Alarm/Alert Functionality (temperature higher the 37°C)	<ol style="list-style-type: none"> 1. Colour alarm 2. Sound Alarm 3. Capture or record when trigger the alarm 4. Show the actual temperature of the person
Alarm Event	Motion detection/privacy mask/audio detection/SD card abnormality/network abnormality/anti-burn warning
Alarm Linkage/Action	SD recording/Relay output/Smart capture/FTP upload/Email linkage
Alarm Input	2-ch
Alarm Output	2-ch
Scanning Capability	25 to 35 people simultaneously
Stand Alone	Yes
Communication Interface	1x 10M/100M Ethernet port (RJ-45) 1x RS485
Application Scenario	Indoor (e.g. Office Lobbies)
One (1) unit of Blackbody	
Temperature Range	5~50 degrees Celsius (°C)
Temperature Resolution	0.1 degrees Celsius (°C)
Temperature accuracy	±0.2 degrees Celsius (°C)
Temperature Stability	±0.1 degrees Celsius (°C)/h
Effective Emissivity	0.97
One (1) unit of NVR	
<ul style="list-style-type: none"> • Supports both facial recognition and false alarm reduction based on deep learning algorithm • Up to 8 channel facial recognition • 32 libraries, up to 100,000 face pictures • Up to 16 channel video analysis for human and vehicle recognition to reduce false alarms • Supports multiple VCA (Video Content Analytics) events • Up to 16 channel IP cameras can be connected • Supports decoding H.265+/H.265/H.264+/H.264/MPEG4 video formats • Up to 12 MP high-definition live view, storage and playback • Up to 320 Mbps high incoming bandwidth ensures IP cameras can be connected • 2 HDMI (different source) and 1 VGA interfaces • 4 HDD can be used for continuous video recording • Compatible with third-party network cameras 	

DESCRIPTION	SPECIFICATION
<ul style="list-style-type: none"> • Supports some specialist cameras, including people counting camera/ANPR (automatic number plate recognition) camera/fisheye camera • Advanced streaming technology enables smooth live view in poor network conditions 	
Included Software	
<ol style="list-style-type: none"> 1. Live view & playback thermal camera and optical camera. 2. Receive abnormal temperature alarm from thermal camera & thermal facial recognition terminal. 3. Receive not-wearing mask alarm 4. Record all measured temperature data, normal & abnormal one, including captured image & related video. 5. Statistics for total measured person, amount of abnormal temperature, amount of not wearing mask 6. Access Records, Facial recognition records, Time Attendance Records with personal information & temperature data. 	
Other Hardware Requirements	<ul style="list-style-type: none"> - 2 pcs. Tripod - Uninterruptible Power Supply that will support all the proposed equipment - Monitor <ul style="list-style-type: none"> • Full HD • LED • 32 inches - HDD for NVR <ul style="list-style-type: none"> • 4TB • Surveillance HDD - POE Switch <ul style="list-style-type: none"> • Four 10/100/1000 BASE-T ports, POE ports • One uplink port • L2 • Unmanaged switch

To

I. MINIMUM TECHNICAL SPECIFICATIONS

DESCRIPTION	SPECIFICATION
One (1) unit of Thermal Imaging Temperature Camera	
Thermal:	
Image Sensor	Vanadium oxide uncooled focal plane
<u>Thermal Resolution</u>	<u>400 x 300</u>
Pixel Pitch/Interval	17 μ m
Spectral Range/Response Waveband	8 μ m to 14 μ m
Thermal Sensitivity (NETD)	Less than 40 mK
Lens (Focal Length)	13mm
Field of View	Horizontal: 28° × Vertical: 21°
Aperture	F1.0


DESCRIPTION	SPECIFICATION
Focus Mode	Athermalized or Fixed-focal
Temperature Measurement Range	30 to 45 degrees Celsius (°C)
Temperature Accuracy with blackbody	± 0.3 degrees Celsius (°C)
Optical:	
<u>Image Sensor</u>	<u>1/2.8" Progressive Scan CMOS</u>
Resolution	1920x1080
IR Distance	Up to 35m
<u>Focal Length</u>	<u>8mm</u>
Focus Mode	Fixed
Field of View	H: 40° V: 22°
<u>Shutter Speed</u>	<u>1s to 1/30,000s</u>
Other Features:	
Video Compression	H.264 (Baseline/Main/High Profile) / MJPEG / H.265
<u>Resolution</u>	<u>Thermal Mainstream</u> <ul style="list-style-type: none"> • <u>30 fps</u> <u>Thermal Sub Stream</u> <ul style="list-style-type: none"> • <u>30 fps</u> <u>Optical Mainstream</u> <ul style="list-style-type: none"> • <u>30 fps</u> <u>Optical Sub Stream</u> <ul style="list-style-type: none"> • <u>30 fps</u>
Image Encoding Format	JPEG
Audio Compression	Any of the following: G .711mu / G .711u / G.711a / G.722.1 / MP2L2 / G.726 / PCM / AAC
Alert Response Time	Real-time. Support built-in Audio Alarm
Audio Input	1x 3.5 mm Mic in/Line in interface. Line input: 2 - 2.4 V [p-p], output impedance: 1 K Ω ± 10%
Audio Output	Linear Level; Impedance: 600Ω
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6. Access Records, Facial recognition records, Time Attendance Records with personal information & temperature data.	
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Please be guided accordingly.

Quezon City, 26 May 2020.


MARIA ILYN G. ALBITO
 Chairperson
 Bids and Awards Committee