

Republic of the Philippines  
**University of the Philippines Mindanao**  
Mintal, Tugbok District, Davao City

October 2, 2023

**BID BULLETIN NO. 01**  
**Supply and Delivery of Multispectral Camera Imaging System and IR Camera of AI Durian Project (PBM 2023-23)**

Please be advised on the clarification stated below to the requirements specified in the Bidding Documents issued for the above-mentioned project:

<b>Concern on the Requirement</b>	<b>Clarification</b>
Technical Specifications Form 2	Please use the attached additional form “Technical Specifications Form 2” to be submitted with the “Technical Specifications Form 1” and other requirements stated in the bidding documents.
Delivery Schedule as stated in the Technical Specifications: 60 calendar days upon receipt of PO	Delivery Schedule as stated in the Technical Specifications: 60 calendar days upon receipt of Notice to Proceed (NTP)

For guidance of all concerned.

  
**PROF. CLETO L. NAÑOLA JR.**  
Chair, Bids and Awards Committee for Goods

Received by the bidder:

\_\_\_\_\_  
Signature over printed name/Date received

## TECHNICAL SPECIFICATIONS FORM 1

Item	Specification	Statement of Compliance
<b>Lot 1</b>	<b>One (1) multispectral camera imaging system</b>	
	Type Area Scan	
	Color / Mono Multispectral	
	Light Spectrum 3-Bands Visible + NIR	
	Resolution 3.2 MP or more	
	Resolution WxH 2048 x 1536 px	
	Frame rate / Line rate 107 fps	
	ROI Yes	
	Interface 10 Gbps GigE Vision	
	Sensors 3xCMOS (Vis/NIR/NIR)	
	Sensor Name IMX252	
	Optical Format 1/1.8 inch	
	Shutter type Global shutter	
	Video Output 8/10/12-bit *	
	Lens Mount C-mount	
	Capable of Snapshot	
	<b>One (1) IR camera</b>	
	IR Resolution: 160 x 120 pixels or better	
	Thermal Sensitivity/NETD: <70 mK or better	
	Accuracy: At ambient temp. 15 to 35°C (59 to 95°F) and	
	object temp. above 0°C (32°F), 0 to 100°C (32 to	
	212°F): ±3°C (±5.5°F), 100 to 400°C (212 to 752°F):	
	±3% or better	
	Image Modes: Thermal MSX, Thermal, Picture-in-	
	Picture, Thermal blending, Digital camera.	
	Delivery: 60 calendar days upon receipt of Notice to	
	Proceed (NTP) (CSM UP Mindanao)	
	Warranty: 2 years all parts	
	Please attach a brochure for each item specifying the	
	model and unit number	

**(TECHNICAL SPECIFICATIONS FORM 2)**

**BID NO : PBM 2023-23**

**DATE :**

<b>REQUIRED SPECIFICATIONS</b>	<b>OFFERED SPECIFICATIONS</b> (please write down detailed offered specifications)	<b>REFERENCES</b> (include supporting documents) (attached brochure / technical data/ website, etc.)
<b>LOT 1 -One (1) multispectral camera imaging system</b>		
Type Area Scan		
Color / Mono Multispectral		
Light Spectrum 3-Bands Visible + NIR		
Resolution 3.2 MP or more		
Resolution WxH 2048 x 1536 px		
Frame rate / Line rate 107 fps		
ROI Yes		
Interface 10 Gbps GigE Vision		
Sensors 3xCMOS (Vis/NIR/NIR)		
Sensor Name IMX252		
Optical Format 1/1.8 inch		
Shutter type Global shutter		
Video Output 8/10/12-bit *		
Lens Mount C-mount		
Capable of Snapshot		

*Note to Bidders:*  
The terms of payment shall be as follows: *upon complete delivery of all items/services.*

Signature of Representative \_\_\_\_\_  
 Name of Representative \_\_\_\_\_  
 Position \_\_\_\_\_  
 Company \_\_\_\_\_  
 Address \_\_\_\_\_  
 Telephone/Fax/Email \_\_\_\_\_

<b>One (1) IR camera</b>		
IR Resolution: 160 x 120 pixels or better		
Thermal Sensitivity/NETD: <70 mK or better		
Accuracy: At ambient temp. 15 to 35°C (59 to 95°F) and object		
temp. above 0°C (32°F), 0 to 100°C (32 to 212°F): ±3°C (±5.5°F), 100 to 400°C (212 to 752°F): ±3% or better		
Image Modes: Thermal MSX, Thermal, Picture-in-Picture, Thermal blending, Digital camera.		
Delivery: 60 calendar days upon receipt of Notice to Proceed (CSM UP Mindanao)		
Warranty: 2 years all parts		
Please attach a brochure for each item specifying the model and unit number		

*In compliance with Republic Act No. 9184, Section 18, and the 2016 Revised Implementing Rules and Regulations, Section 18, brand names are used because of compatibility with existing platforms or equipment which will maintain performance, functionality and useful life.*

*Note to Bidders:  
The terms of payment shall be as follows: upon complete delivery of all items/services.*

Signature of Representative \_\_\_\_\_  
Name of Representative \_\_\_\_\_  
Position \_\_\_\_\_  
Company \_\_\_\_\_  
Address \_\_\_\_\_  
Telephone/Fax/Email \_\_\_\_\_