

Summary Specification		
BIL. SEBUTHARGA/QUOTATION REF.:	UBD/Q/189/2025 (FIT) - [G]	
TARIKH DIIKLANKAN :	14 Oktober 2025 [Selasa]	
TARIKH TUTUP :	18 November 2025 [Selasa]	JAM: 2 Petang
DOCUMENT FEE :		B\$ 10.00

IMPORTANT

The Official PDF quotation/tender form will be send via email once UBD Official receipt issued and send to vendors/supplier for confirmation of payment received.

Please take note that the document fee for each of the New and Extended quotations will be BND 10.00 each

a) Quotations or tenders under Universiti Brunei Darussalam (Kerajaan) can be identified by the letter [G] at the end of the quotation/tender reference number.

Example: UBD/Q/123/2023 – [G]

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TITLE :		<u>TO SUPPLY, DELIVER AND INSTALL HYPERSPECTRAL CAMERA, WITH TESTING BENCH AND LIGHT BOX FOR THE FACULTY OF INTEGRATED TECHNOLOGIES.</u>
No.	Quantity	SPECIFICATIONS
1	1 Unit	HyperSpectral Camera FS-13, with the following specification Item HyperSpectral Camera FS-13 Spectroscopic method Grating Spectral region 400-1000nm Spectral band 1200 Spectral FWHM 2.5nm Slit width 25um Transmission efficiency 60% Stray light 0.5% Spatial pixel number 1920 Pixel size 5.86um Imaging speed Full-band 128fps,3300fps after ROI Detector CMOS SNR(Peak) 600/1 Camera output USB3.0 Camera interface C-Mount Accessories USB3.0 transmission line ROI Multiple area Dimension Length x width x height:22.8cmx 7cmx8.6 cm Weight 1250g Power dissipation 5

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No.	Quantity	SPECIFICATIONS
2	1 unit	Testing Bench FS-TB and Light box for the HyperSpectral Camera in (1), with the following specification: <u>Item: Testing Bench FS-TB</u> Drive motor 57 integrated closed loop stepper motor Closed-loop control Included (built-in encoder closed-loop control) Illumination spectrum range 400-2500nm Minimum speed 0.25mm/s Maximum speed ≥30mm/s Segment settings 1, 1/2, 1/4, 1/8, 1/16 Acceleration Deceleration setting: Support (0-2000setp/s² adjustable) Operation Mode Position mode, speed mode Resolution (no subdivision) 25um Repeatability 20um Absolute accuracy 20um journey ≥200mm Screw lead 5mm Overall dimensions (length, width, height) 560*320*670mm Stage size 20cm*20cm Communication interface USB (internal to RS485, modbus protocol) Power supply AC 110V-220V Extended support Provide SDK to support secondary development
		<u>Item LightBox</u> Light source type Halogen lamp Lighting spectral range 400-2500nm Irradiation Angle 45° power 120W life 2000h interface Aviation plug Power supply 24V/6A Connect to the linear scanning workbench, support turning on and off the light synchronously with the hyperspectral camera measurement (sdk, support secondary development)