



Republic of the Philippines
VISAYAS STATE UNIVERSITY
 Visca, Baybay City, Leyte

PURCHASE REQUEST

PPMP No. : **14-4-675-2023-4-0-1**PR No.: **TF-2023-07-01109**Date: **07-13-2023**Dept./Office: **DOH**Category: **IT Supplies and Equipment**Duration: **2023-07-08**Section/End-User: **Aljay D. Valida**

to

2023-07-08Funding Source: **Trust Fund**Project Title/Code: **20201050-1.116**

Item #	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	Aircon window type	unit	1	50,000.00	ALJAY D. VALIDA	50,000.00

Specification:

CAPACITY: 2HP

DIMENSIONS NET W X H X D (MM) INDOOR / OUTDOOR

660 x 428 x 771

MAIN TECHNOLOGY: Energy Saving Mode

ADDITIONAL BENEFIT: Gold Fin Condenser

Cooling Capacity 18500Kj/Hr

Running Current 7.9A

Power Supply (? ,V,Hz) 1,230,60

Noise Level (Sound Pressure,1m) - Indoor,High 55 dB(A)±3

Features - Temperature Control Thermistor

Features - Steps, Fan/Cool 3/3

Features - Airflow Direction (up&down) Manual

Features - Panel Touch Type: Micom

Features - Timer 12hr,On/Off

Features - Energy Saver Yes

Power Input 1760W

EER 10.5KJ/h.W

Power Factor 96.9%

Noise Level (Sound Pressure,1m) - Outdoor,Max 60 dB(A)±3

Features - Air Deflection Control 4-WAY

Features - Airflow Direction (left&right) Auto

Features - Remocon Type Simple Remocon

Features - Auto Operation (Micom Control) Yes

2	Camera	unit	1	55,000.00	ALJAY D. VALIDA	55,000.00
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Specification:

SENSOR TYPE: 1.0-type (13.2 mm x 8.8 mm) Exmor RS® CMOS sensor, aspect ratio 3:2

NUMBER OF PIXELS (EFFECTIVE): Approx. 20.1 Megapixels

LENS TYPE: ZEISS® Vario-Sonnar® T* Lens, 10 elements in 9 groups (9 aspheric elements including AA lens)

F-NUMBER (MAXIMUM APERTURE): F1.8(W)–2.8(T)

ND-FILTER: Auto/On (3 steps)/Off

FOCAL LENGTH: f = 8.8-25.7 mm

ANGLE OF VIEW (35 MM FORMAT EQUIVALENT): 84 deg-34 deg (f = 24-70 mm)²/₃

FOCUS RANGE (FROM THE FRONT OF THE LENS): iAuto: AF (W: Approx. 5 cm (0.17 ft) to Infinity, T: Approx. 30 cm (0.99 ft) to Infinity) / Program Auto: AF (W: Approx. 5 cm (0.17 ft) to Infinity, T: Approx. 30 cm (0.99 ft) to Infinity)

OPTICAL ZOOM: 2.9x

CLEAR IMAGE ZOOM (STILL IMAGE): 20 M Approx. 5.8x/10 M Approx. 8.2x/5.0 M Approx. 11x/VGA Approx. 44x

CLEAR IMAGE ZOOM (MOVIE): 4K: 4.35x, HD: Approx. 5.8x

DIGITAL ZOOM (STILL IMAGE): 20 M Approx. 11x/10 M Approx. 16x/5.0 M Approx. 23x/VGA Approx. 44x

DIGITAL ZOOM (MOVIE): Digital Zoom Approx. 11x

SCREEN TYPE: 7.5 cm (3.0 type)(4:3)/1,228,800 dots/Xtra Fine/TFT LCD

ADJUSTABLE ANGLE: Up by approx. 180 degrees, down by approx. 45 degrees

DISPLAY SELECTOR (FINDER/LCD): Auto/EVF (Manual)/Monitor(Manual)

MS ASSIST MAGNIFICATION: 5.3x, 10.7x

SCREEN TYPE/NUMBER OF DOTS: 0.39-type electronic viewfinder(OLED), 2,359,296 dots

FIELD COVERAGE: 100%

MAGNIFICATION: Approx. 0.59x with 50 mm lens at infinity, -1m-1(diopter) (35 mm equiv.)

EYE POINT: Approx. 20 mm from the eyepiece, 19.2 mm from the eyepiece frame at -1m-1(diopter) (CIPA standard)

DIOPTRE ADJUSTMENT: -4.0 to +3.0 m-1

BRIGHTNESS CONTROL: Auto, Manual (5 steps)

IMAGE PROCESSING ENGINE: Yes (BIONZ X)

STEADYSHOT (STILL IMAGE): Optical

STEADYSHOT (MOVIE): Yes (Intelligent Active Mode, Optical type with electronic compensation, Anti Rolling type)

FOCUS TYPE: Fast Hybrid AF(phase-detection AF/contrast-detection AF)

FOCUS MODE: Single-shot AF, Automatic AF, Continuous AF, DMF, Manual Focus

FOCUS AREA: Wide (315 points (phase-detection AF), 25 points [contrast-detection AF]), Zone, Center, Flexible Spot (S/M/L), Expanded Flexible Spot, Lock on AF Wide/Zone/Center/Flexible Spot(S/M/L)/Expanded Flexible Spot

LOCK ON AF: Yes

LIGHT METERING MODE: Multi Pattern, Center-Weighted, Spot, Entire Screen Avg, Highlight

EXPOSURE COMPENSATION: +/- 3.0 EV, 1/3 EV step

ISO SENSITIVITY (STILL IMAGE)(RECOMMENDED EXPOSURE INDEX)

Auto (ISO125-12800, selectable with upper/lower limit), 125/160/200/250/320/400/500/640/800/1000/1250/1600/2000/2500/3200/4000/5000/6400/8000/10000/12800 (Extendable to ISO80/100), Multi-Frame NR: Auto(ISO125-12800), 200/400/800/1600/3200/6400/12800/2560056

ISO SENSITIVITY (MOVIE)

Auto: (ISO125-ISO12800, selectable with upper/lower limit), 125/160/200/250/320/400/500/640/800/1000/1250/1600/2000/2500/3200/4000/5000/6400/8000/10000/12800

MINIMUM ILLUMINATION (MOVIE): Auto: 1.2 lux(Shutter Speed 1/30")

WHITE BALANCE MODES: Auto, Daylight, Shade, Cloudy, Incandescent, Fluor.: Warm White, Fluor.: Cool White, Fluor.: Day White, Fluor.: Daylight, Flash, Underwater Auto, C.Temp./Filter, Custom

WB MICRO ADJUSTMENT: Yes

SHUTTER SPEED

iAuto (4" - 1/2000)/Program Auto (30" - 1/2000)/Manual (Bulb, 30" - 1/2000)/Aperture Priority (30" - 1/2000)/Shutter Priority (30" - 1/2000)

ELECTRONIC SHUTTER

iAuto (4" - 1/32000)/Program Auto (30" - 1/32000)/Manual (30" - 1/32000)/Aperture Priority (30" - 1/32000)/Shutter Priority (30" - 1/32000)

APERTURE

iAuto (F1.8/F11(W)) / Program Auto(F1.8/F11(W)) / Manual(F1.8/F11(W)) / Shutter Priority(F1.8/F11(W)) / Aperture Priority(F1.8/F11(W))

IMAGE CONTROL

Contrast, Saturation, Sharpness, Creative Style, Color Space (sRGB/Adobe RGB), Quality (RAW/RAW&JPEG (Extra fine, Fine, Standard)/JPEG (Extra fine, Fine, Standard))

NOISE REDUCTION

Long exposure NR: On/Off, available of shutter speeds longer than 1/3 sec., high ISO NR: Normal/Low/Off, Multi Frame NR: Auto, ISO200-25600

DYNAMIC RANGE FUNCTIONS

Off, Dynamic Range Optimizer (Auto/Level 1-5), Auto High Dynamic Range (Auto Exposure Difference, Exposure Difference Level (1.0–6.0 EV, 1.0 EV step))

SHOOTING MODE

AUTO(Intelligent Auto/Superior Auto), Program Auto, Aperture Priority, Shutter Speed Priority, Manual Exposure, MR(Memory Recall) [body 3 sets/memory card 4 sets], Movie Mode(Program Auto, Aperture Priority, Shutter Speed Priority, Manual Exposure),HFR Mode (Program Auto, Aperture Priority, Shutter Speed Priority, Manual Exposure), Panorama, Scene Selection

SCENE SELECTION

Portrait, Sports Action, Macro, Landscape, Sunset, Night Scene, Handheld Twilight, Night Portrait, Anti-Motion Blur, Pet Mode, Gourmet, Fireworks, High Sensitivity

CONTINUOUS SHOOTING SPEED (MAXIMUM) (WITH MAX. RECORDING PIXELS)

Continuous Shooting Hi: approx. 24fps, Continuous Shooting Mid: approx. 10fps, Continuous Shooting Low: approx. 3.5fps 8910

SELF-TIMER

10 s / 5 s / 2 s / 3 or 5 consecutive shots with 10 s, 5 s, or 2 s delay selectable / Bracketing shots with 10 s, 5 s, or 2 s delay selectable

DRIVE MODES

Single, Continuous shooting (Hi/Mid/Lo), Self-timer, Self-timer(cont.), Cont.-bracketing11, Single-bracketing11, White balance bracketing11, DRO bracketing11

PANORAMA (SHOOTING): Sweep Panorama

PICTURE EFFECT

[Still Image]:Toy camera, Pop Color, Posterization, Retro Photo, Soft High-key, Partial Color, High Contrast Mono., Soft Focus, HDR Painting, Richtone Monochrome, Miniature, Watercolor, Illustration; [Movie]:Toy camera, Pop Color, Posterization, Retro Photo, Soft High-key, Partial Color, High Contrast Mono.

CREATIVE STYLE

Standard, Vivid, Neutral, Clear, Deep, Light, Portrait, Landscape, Sunset, Night Scene, Autumn Leaves, Black & White, Sepia, Style Box

PICTURE PROFILE

off/PP1-PP7(Black Level, Gamma (Movie, Still, Cine1-2, ITU709, ITU709 [800%], S-Log2), Black Gamma, Knee, Color Mode, Saturation, Color Level, Color Phase, Color Depth, Detail, Copy, Reset)

NUMBER OF RECOGNISED SCENES

Still Image: Superior Auto: 44 / iAuto: 33, Movie: 44

FLASH MODE: Auto/Flash On/Slow Synchro/Rear Sync/Flash Off

FLASH TYPE: Built-in, manual pop-up

AF ILLUMINATOR: Auto / Off

BRACKETING: Yes

FLASH RANGE

ISO Auto: Approx. 0.4 m to 10.2 m (1.31 ft to 33.46 ft) (W) / Approx. 0.4 m to 6.5 m (1.31 ft to 21.33 ft) (T), ISO12800: up to Approx. 20.4 m (66.93 ft.) (W) / Approx. 13.0 m (42.65 ft.) (T)

COMPATIBLE RECORDING MEDIA

Memory Stick Duo, Memory Stick PRO Duo, Memory Stick PRO Duo (High Speed), Memory Stick PROHG Duo, Memory Stick Micro1, Memory Stick Micro (Mark2), SD Memory Card, SDHC Memory Card(UHS-I), SDXC Memory Card (UHS-I), microSD Memory Card, microSDHC Memory Card, microSDXC Memory Card

RECORDING FORMAT

[Still Image]: JPEG(DCF Ver.2.0, Exif Ver.2.31, MPF Baseline compliant), RAW (Sony ARW 2.3 format); [Movie]: XAVC S, AVCHD format Ver.2.0 compatible

RECORDING FORMAT (MOVIE AUDIO)

XAVC S: LPCM 2ch, AVCHD: Dolby Digital (AC-3) 2ch (Dolby Digital Stereo Creator)

COLOUR SPACE (STILL)

sRGB, Adobe® RGB

DCF/DPOF

DCF/DPOF/EXIF/MPF

STILL IMAGE NUMBER OF RECORDED PIXELS (IMAGE SIZE)

3:2 mode: 20M (5,472 x 3,648) / 10M (3,888 x 2,592) / 5M (2,736 x 1,824), 4:3 mode: 18M (4,864 x 3,648) / 10M (3,648 x 2,736) / 5M (2,592 x 1,944) / VGA, 16:9 mode: 17M (5,472 x 3,080) / 7.5M (3,648 x 2,056) / 4.2M (2,720 x 1,528), 1:1 mode: 13M (3,648 x 3,648) / 6.5M (2,544 x 2,544) / 3.7M (1,920 x 1,920), Sweep Panorama: Wide (12,416 x 1,856/5,536 x 2,160), Standard (8,192 x 1,856/3,872 x 2,160)

MOVIE RECORDING MODE (NTSC)

NTSC/PAL Selector: [NTSC] AVCHD: 24 M FX (1,920x1,080/60i)/17 M FH (1,920x1,080/60i), XAVC S 4K: 30p 100 M (3,840x2,160/30p)/30p 60 M (3,840x2,160/30p)/24p 100 M (3,840x2,160/24p)/24p 60 M (3,840x2,160/24p), XAVC S HD: 60p 50 M (1,920x1,080/60p)/60p 25 M (1,920x1,080/60p)/30p 50 M (1,920x1,080/30p)/30p 16 M (1,920x1,080/30p)/24p 50 M (1,920x1,080/24p)/120p 100 M (1,920x1,080/120p)/120p 60 M (1,920x1,080/120p)

MOVIE RECORDING MODE (PAL)

NTSC/PAL Selector: [PAL] mode AVCHD: 24 M FX (1,920x1,080/50i)/17 M FH (1,920x1,080/50i), XAVC S 4K: 25p 100 M (3,840x2,160/25p)/25p 60 M (3,840x2,160/25p), XAVC S HD:50p 50 M (1,920x1,080/50p)/50p 25 M (1,920x1,080/50p)/25p 50 M (1,920x1,080/25p)/25p 16 M (1,920x1,080/25p)/100p 100 M (1,920x1,080/100p)/100p 60 M (1,920x1,080/100p),

HFR

(Recording) NTSC/PAL Selector: [PAL] mode XAVC S HD:50p 50M(1920x1080/250fps), 50p 50M(1920x1080/500fps), 50p 50M(1920x1080/1000fps) / 25p 50M(1920x1080/250fps), 25p 50M(1920x1080/500fps), 25p 50M(1920x1080/1000fps), NTSC/PAL Selector: [NTSC] mode XAVC S HD:60p 50 M (1,920x1,080/240fps), 60p 50 M (1,920x1,080/480fps), 60p 50 M (1,920x1,080/960fps)/30p 50M (1,920x1,080/240fps), 30p 50 M (1,920x1,080/480fps), 30p 50 M (1,920x1,080/960fps)/24p 50 M (1,920x1,080/240fps), 24p 50 M (1,920x1,080/480fps), 24p 50 M (1,920x1,080/960fps) (Sensor Readout Number of effective pixels) Quality Priority: 240fps/250fps (1,824x1,026), 480fps/500fps (1,824x616), 960fps/1000fps (1,244x420)/Shoot Time Priority: 240fps/250fps (1,824x616), 480fps/500fps (1,292x436),960fps/1000fps (912x308)

STILL IMAGE NUMBER OF RECORDED PIXELS (IMAGE SIZE) DURING MOVIE

16:9 mode: 17M(5472×3080)/7.5M(3648×2056)/4.2M(2720×1528)

PROXY RECORDING

Yes(1280 x 720 [approx. 9 Mbps])

INPUT AND OUTPUT TERMINALS: Multi/Micro USB Terminal14, High-Speed USB (USB 2.0), Micro HDMI

NFC: NFC forum Type 3 Tag compatible, One-touch remote, One-touch sharing

Wi-Fi: Yes (IEEE802.11b/g/n(2.4 GHz band))

POWER SOURCE

DC 3.6 V(supplied battery) / DC 5.0 V(supplied AC Adapter)

BATTERY SYSTEM

Rechargeable Battery Pack NP-BX1

POWER CONSUMPTION (CAMERA MODE)

Approx. 2.6 W with LCD monitor and approx. 3.0 W with viewfinder (CIPA standard)

USB CHARGE/USB POWER SUPPLY

Yes (Shooting, Playback)

BATTERY LIFE(STILL IMAGES)(CIPA)

Monitor:Approx. 220 / Approx. 110 min., ViewFinder:Approx. 210/Approx. 105 min.

BATTERY LIFE(MOVIES ACTUAL SHOOTING)(CIPA)

Monitor:Approx. 35 min., ViewFinder:Approx. 35 min.

BATTERY LIFE(MOVIES CONTINUOUS SHOOTING)(CIPA)

Monitor: Approx. 65 min., ViewFinder: Approx. 65 min.

DIMENSIONS (W X H X D) (APPROX.)

101.6x58.1x41.0 mm (4 in x 2 3/8 in x 1 5/8 in)

WEIGHT (CIPA COMPLIANT)

Approx. 299 g (10.5 oz)(Battery and Memory Stick Duo are included) / Approx. 272 g (9.6 oz)(Body Only)

3	External Hard Disk Drive (Portable, 1TB), USB 3.1	unit	2	3,500.00	ALJAY D. VALIDA	7,000.00
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Specification:

?Shock-absorbing

?Interface: USB 3.1 (Max.5Gb/s)

?Capacity: 1TB

?Texture: Plastic/Rubber

?Operating Voltage: DC 5V, 900mA

?System Requirements: Windows XP / Vista / 7 / 8 / 8.1 / 10, Mac OS X 10.6 or later, Linux Kernel 2.6 or later

4	Flash Drive, at least 32GB USB 3.0	piece	5	800.00	ALJAY D. VALIDA	4,000.00
5	Laptop	unit	1	55,000.00	ALJAY D. VALIDA	55,000.00

Specification:

CPU: 13th Generation Intel® Core™ i5-1335U Processor (12MB Cache, up to 4.60 GHz)

Storage: 512GB M.2 PCIe NVMe Solid State Drive

RAM: 8GB 4800MHz LPDDR5 Memory Onboard

Graphics: Intel® Iris® Xe Graphics

Screen: 14.0-inch 16:10 FHD+ (1920 x 1200) Anti-Glare Non-Touch 250nits WVA Display with Comfort View Support

Keyboard: Titan Gray English International Backlit Keyboard, Power Button with Fingerprint Reader

Wireless: Intel(R) Wi-Fi 6E (6GHz) AX211 2x2 Bluetooth 5.2 Wireless Card

Battery: 4-Cell Battery, 54WHr (Integrated), 65 Watt AC Adapter

OS: Windows 11 Home Single Language English






OPI: w/ Microsoft Home & Student 2021

Carry Case: Backpack 15

Warranty: 24 Months Premium Support and Onsite Service-Retail-PH based

	TOTAL					171,000.00
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Purpose: For capturing images during supply chain trials.

Checked by:  DIONESIO I. ESTUPA		Funds Available:  NICK FREDDY R. BELLO JB	
TWG - IT Supplies and Equipment		HEAD, ACCOUNTING OFFICE	
Signature:	Requested by: 	Noted by: 	Approved by: 
Printed Name:	ALJAY D. VALIDA	ALJAY D. VALIDA	EDGARDO E. TULIN
Designation:	END USER	UNIT HEAD, PROJECT LEADER	PRESIDENT, VSU 