

SCAN HERE



PR-2023-0308-102726



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

PURCHASE REQUEST

PPMP No. : 48-4-1504-2023-1-0-2

PR No.: TF-2023-03-00334

Date: 03-08-2023

Dept./Office: **ViCARP**

Category: **IT Supplies and
Equipment**

Section/End-User: **Tiffany P. Baguio**Funding Source: **Trust Fund**Project Title/Code: **ViCARP 1.27-PPMP 2 for 2023**

Item #	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	Camera with HD Video	pcs	1	50,000.00	PAULINE S. CAINTIC	50,000.00

Specification:

Sensor:

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

Approx. 20.1 Megapixels

Lens:

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

F1.8 (W) – 2.8 (T)

Auto / On (3 steps) / Off

F = 9.4–25.7 mm

AF (W: approx. 0.17 ft (5 cm) to infinity, T: Approx. 0.99 ft (30 cm) to infinity)

Optical Zoom: 2.7x

Digital Zoom (Still Image): 20M Approx. 11x / 10M Approx. 16x / 5.0M Approx. 23x / VGA Approx. 44x

Screen: 7.5 cm (3.0 type) (4:3)/921,600 dots/Xtra Fine/TFT LCD

Adjustable Angle: Opening angle: approx. 176 deg., Rotation angle: approx. 270 deg.

Touch Panel: Yes

Camera

Image

Processin Yes (BIONZ X)

g Engine

STEADY
 SHOT (STILL IMAGE) Optical
 STEADY
 SHOT (MOVIE) Yes (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), 425 points (contrast-detection AF)), Zone, Center, Flexible Spot (S/M/L), Expanded Flexible Spot, Tracking (Wide/Zone/Center/Flexible Spot (S/M/L)/Expanded Flexible Spot)
 OBJECT
 TRACKIN Yes (Tracking)
 G
 EYE AF [Still images] Human (Right/Left Eye Select)/Animal, [Movie] Human (Right/Left Eye Select)
 Light
 Metering Mode Multi Pattern, Center-Weighted, Spot, Entire Screen Avg, Highlight
 Exposure
 Compens +/- 3.0 EV, 1/3 EV step
 ation
 ISO
 Sensitivity (Still Image)(Recommended) Auto (ISO 100–12800, selectable with upper/lower limit), 100/125/160/200/250/320/400/500/640/800/1000/1250/1600/2000/2500/3200/4000/5000/6400/8000/10000/12800 (Extendable to ISO64/80), Multi-Frame NR: Auto (ISO100–12800), 100/200/400/800/1600/3200/6400/12800/2560023
 Exposure Index)
 ISO Auto: (ISO 125 level–ISO12800 level, selectable with upper/lower limit),
 Sensitivity (Movie) 125/160/200/250/320/400/500/640/800/1000/1250/1600/2000/2500/3200/4000/5000/6400/8000/10000/12800
 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 (G7 to M7, 57-step) (A7 to B7, 29-step)
 nt
 Shutter Speed iAuto (4"–1/2,000) / Program Auto (30"–1/2,000) / Manual (Bulb, 30"–1/2,000) / Aperture Priority (30"–1/2,000) / Shutter Priority (30"–1/2,000)4

Electronic Shutter	iAuto (4"-1/32,000) / Program Auto (30"-1/32,000) / Manual (30"-1/32,000) / Aperture Priority (30"-1/32,000) / Shutter Priority (30"-1/32,000)
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 s, high ISO NR: Normal/Low/Off, Multi Frame NR: Auto, ISO 100-25600
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), Program Auto, Aperture Priority, Shutter Speed Priority, Manual Exposure, MR (Memory Recall) [body three sets/memory card four sets], Movie Mode (Program Auto, Aperture Priority, Shutter Speed Priority, Manual Exposure), Movie AUTO (Intelligent Auto), 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. 3.0fps ⁵⁶⁷
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, Self-timer, Self-timer (cont.), Cont.-bracketing ⁸ , Single-bracketing ⁸ , White-balance bracketing ⁸ , DRO bracketing ⁸
INTERVAL REC	Yes (1-60 s interval, 1-9,999 shots, AE lock/AE tracking (High/Mid/Low)) ⁹
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, Portrait, Landscape, Night Scene, Black & White, Sepia

Picture Profile	off/PP1-PP10 (Black Level, Gamma (Movie, Still, Cine1-2, ITU709, ITU709 [800%], S-Log2, S-Log3, HLG, HLG1, HLG2, HLG3), Black Gamma, Knee, Color Mode, Saturation, Color Phase, Color Depth, Detail, Copy, Reset)
Number of Recognised Scenes	Still image: iAuto: 33, Movie: off/PP1-PP10 (Black Level, Gamma (Movie, Still, Cine1-2, ITU709, ITU709 [800%], S-Log2, S-Log3, HLG, HLG1, HLG2, HLG3), Black Gamma, Knee, Color Mode, Saturation, Color Phase, Color Depth, Detail, Copy, Reset)
Flash Mode	Auto/Flash On/Slow Synchro/Rear Sync/Flash Off
Flash Type	-
AF Illuminator	-
Bracketing	-
Recording	
Compatible Recording Media	[XAVC S (100 Mbps)] SDXC/SDHC Memory Card (UHS-I U3 or higher); [XAVC S (60 Mbps/50 Mbps)] SDXC/SDHC Memory Card (Class 10 or higher); [AVCHD/Still image] Memory Stick Duo, Memory Stick PRO Duo, Memory Stick PRO-HG Duo, Memory Stick Micro10, Memory Stick Micro(Mark2)10, SDXC/SDHC/SD Memory Card (Class 4 or higher), micro SDXC/SDHC/SD Memory Card (Class 4 or higher)1011
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/DP OF	DCF/DPOF/EXIF/MPF
Still Image Number of recorded pixels (Image Size)	3:2 mode: 20 M (5,472 x 3,648) / 10 M (3,888 x 2,592) / 5 M (2,736 x 1,824), 4:3 mode: 18 M (4,864 x 3,648) / 10 M (3,648 x 2,736) / 5 M (2,592 x 1,944) / VGA, 16:9 mode: 17 M (5,472 x 3,080) / 7.5 M (3,648 x 2,056) / 4.2 M (2,720 x 1,528), 1:1 mode: 13 M (3,648 x 3,648) / 6.5 M (2,544 x 2,544) / 3.7 M (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 (1,920 x 1,080/60i) / 17 M FH (1,920 x 1,080/60i), XAVC S 4K: 30p 100 M (3,840 x 2,160/30p) / 30p 60 M (3,840 x 2,160/30p) / 24p 100 M (3,840 x 2,160/24p) / 24p 60 M (3,840 x 2,160/24p), XAVC S HD: 60p 50 M (1,920 x 1,080/60p) / 60p 25 M (1,920 x 1,080/60p) / 30p 50 M (1,920 x 1,080/30p) / 30p 16 M (1,920 x 1,080/30p) / 24p 50 M (1,920 x 1,080/24p) / 120p 100 M (1,920 x 1,080/120p) / 120p 60 M (1,920 x 1,080/120p)
Movie Recording Mode (PAL)	NTSC/PAL Selector: [PAL] mode AVCHD: 24 M FX (1,920 x 1,080/50i) / 17 M FH (1,920 x 1,080/50i), XAVC S 4K: 25p 100 M (3,840 x 2,160/25p) / 25p 60 M (3,840 x 2,160/25p), XAVC S HD: 50p 50 M (1,920 x 1,080/50p) / 50p 25 M (1,920 x 1,080/50p) / 25p 50 M (1,920 x 1,080/25p) / 25p 16 M (1,920 x 1,080/25p) / 100p 100 M (1,920 x 1,080/100p) / 100p 60 M (1,920 x 1,080/100p)
HFR	Recording: NTSC/PAL Selector: [PAL] mode XAVC S HD: 50p 50 M (1,920 x 1,080/250fps), 50p 50 M (1,920 x 1,080/500fps), 50p 50 M (1,920 x 1,080/1,000fps) / 25p 50 M (1,920 x 1,080/250fps), 25p 50 M (1,920 x 1,080/500fps), 25p 50 M (1,920 x 1,080/1,000fps), NTSC/PAL Selector: [NTSC] mode XAVC S HD: 60p 50 M (1,920 x 1,080/240fps), 60p 50 M (1,920 x 1,080/480fps), 60p 50 M (1,920 x 1,080/960fps) / 30p 50 M (1,920 x 1,080/240fps), 30p 50 M (1,920 x 1,080/480fps), 30p 50 M (1,920 x 1,080/960fps) / 24p 50 M (1,920 x 1,080/240fps), 24p 50 M (1,920 x 1,080/480fps), 24p 50 M (1,920 x 1,080/960fps) Sensor Readout Number of effective pixels: Quality Priority: 240fps/250fps (1,824 x 1,026), 480fps/500fps (1,824 x 616), 960fps/1,000fps (1,244 x 420) / Shoot Time Priority: 240fps/250fps (1,824 x 616), 480fps/500fps (1,292 x 436), 960fps/1,000fps (912 x 308)
Still Image Number of recorded pixels (Image Size) during Movie	16:9 mode: 17M (5,472 x 3,080) / 7.5M (3,648 x 2,056) / 4.2M (2,720 x 1,528)
Proxy Recording	Yes (1,280 x 720 (approx. 9 Mbps))
Interface	
Input and Output Terminals	Multi/Micro USB Terminal*15, High-Speed USB (USB2.0), micro HDMI, microphone jack (3.5 mm stereo mini jack), Multi Interface Shoe
NFC	-
Wi-Fi	Yes (IEEE802.11b/g/n (2.4GHz band))
Interfaces -	
Bluetooth®	Yes (Bluetooth Standard Ver. 4.1 (2.4 GHz band))
Power	
Power source	DC 3.6 V (supplied battery)
Battery System	Rechargeable battery pack NP-BX1

Power

Consumption

Approx. 2.1 W with LCD monitor (CIPA standard)

(Camera

Mode)

USB

Charge/USB

SB Yes (Shooting, Playback)

Power

Supply

BATTERY

Y

LIFE(STILL) Monitor: approx. 260/approx. 130 min., Monitor (When Auto Monitor off is set to 2 s): approx.

410/approx. 205 min.12

IMAGES)

(CIPA)

BATTERY

Y

LIFE(MOVIES)

ACTUAL

Monitor: approx. 45 min.131415

SHOOTING

(CIPA)

A)

BATTERY

Y

LIFE(MOVIES)

CONTINUOUS

SHOOTING

Monitor: approx. 75 min.1314

SHOOTING

(CIPA)

A)

Others

PlayMemories

Camera

Apps

Product Showcase Set, Background Defocus, Face Detection, Face Registration, Still Image Recording (during movie recording), Smile shutter, Grid Line, Digital Level Gauge (pitch and roll), WB Bracket, Shooting Functions DRO Bracketing, MF Assist, Peaking (Display: Off/On) (Level: High/Mid/Low) (Color: Red/Yellow/Blue/White), Zebra, Marker Display, Audio Rec Level, Audio Level Display, Self-portrait timer, TC/UB, PC Remote Control, Gamma Disp. Assist, [Mov] AF Tracking Sensitivity, [Mov] AF Drive Speed, Set File Name, Touch Shutter/Touch Focus/Touch Tracking, My Menu, Soft Skin Effect

Playback
Functions

BRAVIA Sync (Control for HDMI), 9/25-frame index view, Auto Orientation, Slideshow, Forward/Rewind (Movie), Delete, Protect, Motion Shot Video, Beauty Effect, Photo Capture, Rating, Automatic Image Rotation

TRILUMI

NOS Yes16

Color

4K

image Yes

output

Operating

Temperat 0 degrees C. - +40 degrees C. / 32 degrees F. - 104 degrees F.

ure

Print

Print Exif Print, PRINT Image Matching (PIM3)

Size & Weight

DIMENSI

ONS (W

X H X D) 105.5 x 60.0 x 43.5 mm (4-1/4 in x 2-3/8 in x 1-3/4 in)

(APPRO

X.)

WEIGHT

(CIPA Approx. 294 g (10.4 oz) (battery and memory card are included) / Approx. 267 g (9.5 oz) (body only)

COMPLI

ANT)

2	SD Memory card for mirrorless camera	pc	1	1,400.00	PAULINE S. CAINTIC	1,400.00
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Specification:

- Capacity: 128GB
- Standard/Class: Class 10, UHS-I, U3, V30
- Performance: 170/90MB/s Read/Write (128GB-512GB)
- Dimensions: 24mm x 32mm x 2.1mm
- Format: exFAT
- Operating Temperatures: -25°C to 85°C
- Storage Temperatures: -40°C to 85°C
- Voltage: 3.3V
- Superior transfer speeds of up to 170/90MB/s1 • Ideal for shooting 4K UHD video and burst-mode photography
- U3 & V30 speed performance

TOTAL

51,400.00

Will be used for ViCARP events and for creating the ViCARP Story

Requested by:

DIONESIO I. ESTUPA

Funds Available:

NICK FREDDY R. BELLO

TWG - IT Supplies and Equipment

HEAD, ACCOUNTING OFFICE

Signature:

Printed Name:

Designation:

Requested by:

TIFANNY P. BAGUIO

END USER

Noted by:

MARIA JULIET C. CENIZA

UNIT HEAD, PROJECT LEADER

Approved by:

EDGARDO E. TULIN

PRESIDENT, VSU