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PR-2024-1008-228832



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

PURCHASE REQUEST

PPMP No. : **PPMP-2025-092524-0576**Dept./Office: **DGE**PR No.: **STF-2024-10-02440**Date: **10-08-2024**Section/End-User: **April G. Bulawan**Category: **Office Equipment**Funding Source: **Special Trust Fund**Project Title/Code: **DGE-2025**

Item #	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	Drone	unit	1	175,000.00		175,000.00

Specification:

- **Takeoff Weight:** 958 g
- **Dimensions:**
 - **Folded (without propellers):** 231.1 x 98 x 95.4 mm (L x W x H)
 - **Unfolded (without propellers):** 347.5 x 290.8 x 107.7 mm (L x W x H)
- **Max Ascent Speed:** 8 m/s
- **Max Descent Speed:** 6 m/s
- **Max Horizontal Speed (at sea level, no wind):** 21 m/s
- **Max Takeoff Altitude:** 6000 m
- **Max Flight Time:** 43 minutes
- **Max Hovering Time:** 37 minutes
- **Max Flight Distance:** 28 km
- **Max Wind Speed Resistance:** 12 m/s
- **Max Pitch Angle:** 35°
- **Operating Temperature:** -10° to 40° C (14° to 104° F)
- **Global Navigation Satellite System:** GPS + Galileo + BeiDou
- **Hovering Accuracy Range:**
 - **Vertical:** ±0.1 m (with vision positioning), ±0.5 m (with GNSS positioning)
 - **Horizontal:** ±0.3 m (with vision positioning), ±0.5 m (with high-precision positioning system)
- **Internal Storage:**
 - 8 GB (approx. 7.9 GB available space)
 - 1 TB (approx. 934.8 GB available space)
- **Class:** C2 (EU)

Camera Specifications

- **Image Sensor:**
 - **Hasselblad Camera:** 4/3 CMOS, Effective Pixels: 20 MP
 - **Medium Tele Camera:** 1/1.3? CMOS, Effective Pixels: 48 MP
 - **Tele Camera:** 1/2? CMOS, Effective Pixels: 12 MP
- **Lens:**
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Hasselblad Camera:

- FOV: 84°
- Format Equivalent: 24 mm
- Aperture: f/2.8 - f/11
- Focus: 1 m to ?
- **Medium Tele Camera:**
 - FOV: 35°
 - Format Equivalent: 70 mm
 - Aperture: f/2.8
 - Focus: 3 m to ?
- **Tele Camera:**
 - FOV: 15°
 - Format Equivalent: 166 mm
 - Aperture: f/3.4
 - Focus: 3 m to ?

ISO Range

- **Video:**
 - Normal and Slow Motion:
 - 100 - 6400 (Normal)
 - 400 - 1600 (D-Log)
 - 100 - 1600 (D-Log M)
 - 100 - 1600 (HLG)
 - Night: 800 - 12800 (Normal)
- **Photo:** 100 - 6400

Shutter Speed

- **Hasselblad Camera:** 8 - 1/8000 s
- **Medium Tele Camera:** 2 - 1/8000 s
- **Tele Camera:** 2 - 1/8000 s

Max Image Size

- **Hasselblad Camera:** 5280 x 3956
- **Medium Tele Camera:** 8064 x 6048
- **Tele Camera:** 4000 x 3000

Still Photography Modes

- **Hasselblad Camera:**
 - Single Shot: 20 MP
 - Burst Shooting: 20 MP (3/5/7 frames)
 - Automatic Exposure Bracketing (AEB): 20 MP (3/5 frames at 0.7 EV step)
 - Timed: 20 MP (2/3/5/7/10/15/20/30/60 s)
- **Medium Tele Camera:**
 - Single Shot: 12 MP or 48 MP
 - Burst Shooting: 12 MP or 48 MP (3/5/7 frames)

◦ Automatic Exposure Bracketing (AEB): 12 MP or 48 MP (3/5 frames at 0.7 EV step)

◦ Timed:

▪ 12 MP: 2/3/5/7/10/15/20/30/60 s

▪ 48 MP: 7/10/15/20/30/60 s

• **Tele Camera:**

◦ Single Shot: 12 MP

◦ Burst Shooting: 12 MP

Additional Features

• **Supported File System:** exFAT

• **Stabilization:** 3-axis mechanical gimbal (tilt, roll, pan)

• **Antenna:** 4 antennas, 2T4R

• **Battery Capacity:** 5000 mAh

TOTAL

175,000.00

Purpose: For Instruction and Laboratory Use

Checked by:

NORMAN O. VILLAS

TWG - Office Equipment

Funds Available:

ALICIA M. FLORES

HEAD, BUDGET OFFICE

Signature:

Printed Name:

Designation:

Prepared by:

APRIL G. BULAWAN

Noted by:

FLORENTINO F. MORALES JR.

UNIT HEAD, PROJECT LEADER

Approved by:

PROSE IVY G. YEPES

PRESIDENT, VSU