

SCAN HERE



PR-2022-1115-75680

OP 11/29/22



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

PURCHASE REQUEST

PPMP No. : 131-5-1544-2022-9-0-9

PR No.: GF-2022-11-02299

Date: 11-15-2022

Dept./Office: **MMDC**

Category: **IT Supplies and
Equipment**

Section/End-User: **Windy O. Tuyan**Funding Source: **General Fund - MOOE**Project Title/Code: **MMDC-2022**

Item #	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	34" Ultra Wide Curve 21:9 1440p Monitor	unit	1	35,000.00		35,000.00

Specification:

- Panel Size (diagonal): 34"
- Display ratio: 21:9
- Screen curvature: 1500R
- Native Resolution: 3440 x 1440
- Panel Backlight/ Type: Edge type
- Display Surface(non-glare/ glare): Non-glare type
- Color Saturation: 90% DCI-P3 / 120% sRGB
- Pixel Pitch: 0.23175*0.23175
- Brightness: 350 cd/m2 (TYP)
- Contrast Ratio: 3000:1
- Dynamic Contrast Ratio: 12M:1
- Viewing Angle: 178°(H)/178°(V)
- Display Colors: 8 bits
- Response Time: 1ms (MPRT)
- Refresh Rate: 144Hz
- HDR: VESA Display HDR400
- Flicker-free: Yes
- Signal Input: HDMI 2.0 x2,
- Display port 1.4 x2
- Earphone Jack: Yes
- Speaker: 2W x2

2	Active Speakers, 15", 1300W RMS w/ stand	unit	20	45,000.00		900,000.00
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Specification:

- LF Driver: 15", custom-designed
- HF Driver: 2414H compression driver
- Power (RMS): 1300 W
- Frequency Response: 45 Hz - 20 kHz (-10 dB), 55 Hz - 20 kHz (-3 dB)

- Maximum Output: 128 dB SPL
- Dispersion: 90° Horizontal, 60° Vertical
- Audio I/Os: 2 x XLR Combo Jack, 1 x XLR Passthrough
- DSP: dbx DriveRack Inside (Automatic Feedback Suppression, ducking, 100 ms speaker delay, parametric EQ)
- Full, rich frequency response down to 45 Hz
- Two Combo XLR/input jacks for easy, instant setup
- Built-in three-channel mixer for customizable input control
- Backlit LCD screen for easy parameter control and menu access
- Wireless control provides easy connectivity
- Bluetooth 5.0 streaming and control for stable wireless streaming
- Rugged polypropylene build and a metal grille for reliable performance in intense settings
- Built-in speaker pole mount, and compatibility with Universal Speaker Mount system/stand
- Stackable cabinets for easy storage of multiple units

3	Audio Mixer, 8-Channel with USB Interface	unit	21	20,000.00		420,000.00
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Specification:

- Eight-channel mixer with mic, line, and guitar-level inputs; 16-bit, 44.1/48 kHz stereo USB output for easy recording and playback from your computer
- XLR inputs with gain trim, switchable high-pass filters, and 48V phantom power; Works with iPad via Apple USB Adaptor (sold separately).
- 1/4-inch line-level inputs for instruments and high-impedance guitar input for direct-connecting guitars;
- Built-in DSP effects with footswitch bypass control and Aux buss for external processing;
- Multicolour LED metering for visual level feedback;
- Main and headphone outputs with independent level controls
- Class compliant, plug-and-play USB for Mac and PC interface without installing drivers;
- Includes Cubase LE software

4	Black Magic Design HDMI to SDI Converter	unit	6	6,500.00		39,000.00
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Specification:

- 1 x HDMI Input, 2 x SD/HD/3G-SDI Outputs
- Supports up to 1080p 60Hz Resolution I/O
- Embedded Audio
- AC Power Supply & Socket Adapters
- LED Video & Power Signal Indicators
- *Compatible with existing fleet*

5	Conference Microphone, Gooseneck	unit	36	5,000.00		180,000.00
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Specification:

- Acoustic Principle: Condenser Polar
- Pattern: Cardioid
- Frequency Response: 50-16000Hz
- Sensitivity: -35±2dB(0dB=1V/Pa @ 1KHz)
- Signal to Noise Ratio: 80dB
- Output connector: XLR Connector
- Power requirement: 48V Phantom Power

<ul style="list-style-type: none"> • Built-in LED indicator shows Talk/Mute • Foam windscreen included 						
6	Data Cabinet, 12U	unit	2	12,000.00		24,000.00
Specification: <ul style="list-style-type: none"> • 12U Data Cabinet Wall-mounted • Exhaust Slot Removable, Side Panel Glass, Front Panel with Key, Removable Top and Bottom Slot for Cable Management • Lockable Steel-Framed Door supplied with Two Keys • with PDU and 2 Fans 12VDC 						
7	Desktop Computer, 12Gen Core i5, 16GB RAM, RTX 3050 no Monitor	unit	20	49,000.00		980,000.00
Specification: <ul style="list-style-type: none"> • Processor: Intel® i5-12400F Total Cores: 6, Threads: 12, Max Turbo Frequency: 4.40Ghz, Performance Core Base Frequency: 2.5Ghz, Cache: 18MB or higher • Motherboard: Intel® H610 Chipset for 12th Gen Intel® Core™ Series Processors, Dual Channel Non-ECC Unbuffered DDR4, 2 DIMMs, 6+1+1 Hybrid Digital VRM Design, Intel® GbE LAN, NVMe PCIe 3.0 x4 M.2, High Quality Audio Capacitors and Audio Noise Guard, mATX form factor or higher • RAM: 16GB DDR4 3200 MHz CL16, Intel® XMP-ready and XMP Certified, Low-profile heat spreader design or higher • SSD: 512 GB M.2 2280 Form Factor PCIe Gen3x4 Interface, read up to :1700 MB, write up: 1550 MB/s or higher • Casing: mATX/ATX casing with transparent acrylic side panels and Cooler Fan Support: front panel 3*120mm/top 2*120mm/rear 1*120mm • Graphics Processor: NVIDIA® GeForce RTX™ 3050, Bus Standard: PCI Express 4.0 • OpenGL: OpenGL®4.6, Video Memory: 8GB GDDR6 • PSU:550w, True Rated Power Supply 80 plus Bronze Rated PSU for Micro ATX and ATX casing or higher 						
8	Handy Camera, High Definition with HDMI Out	unit	33	20,000.00		660,000.00

Specification:

- **SENSOR TYPE:** 1/5.8 type (3.1 mm) (0.12 in) back-illuminated Exmor R CMOS Sensor
- **EFFECTIVE PIXELS (VIDEO):** approx. 2.29 Megapixels (16:9)2
- **EFFECTIVE PIXELS (STILL IMAGE):** approx. 2.29 Megapixels (16:9)/approx. 1.71 Megapixels (4:3)
- **IMAGE PROCESSOR:** BIONZ X image processor
- **LENS TYPE:** ZEISS® Vario-Tessar®
- **LENS COVER:** Manual
- **APERTURE:** F1.8-F4.0
- **FOCAL DISTANCE:** f=1.9-57.0mm
- **OPTICAL ZOOM:** 30x
- **CLEAR IMAGE ZOOM:** 60x3
- **IMAGE STABILIZATION TYPE:** Optical SteadyShot™ image stabilization w/ Intelligent Active mode (Wide to Tele)
- **VIDEO RESOLUTION:** AVCHD: 1920 x 1080/50p (PS), 50i (FX, FH), 1440 x 1080/50i (HQ, LP), MP4: 1280 x 720 25p, XAVC S HD: 1920 x 1080/50p, 25p, AVCHD: 1920 x 1080/60p (PS), 60i (FX, FH), 1440 x 1080/60i (HQ, LP), MP4: 1280 x 720 30p, XAVC S HD: 1920 x 1080/60p, 30p
- **HDMI TERMINAL:** Yes (HDMI micro)1415
- **REMOTE TERMINAL:** integrated into Multi Terminal
- **MEMORY CARD SLOT:** Memory Stick Micro™ and Micro SD/SDHC/SDXC compatible

9	HDMI Cable, 10m	meters	20	700.00		14,000.00
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Specification:

- 10 meters
- Nylon braided
- 1.4 version 3D support
- Support all high resolutions including 480p, 720p, 1080p and 1180p.
- Multi -channel digital audio with a 10.2 Gbps band-width
- HDMI AV cable for HDTV
- HDMI EMI/RFI Compliant Cable
- 24k GOLD plated HDMI plugs
- ROHS compliant cable.

10	HDMI Cable, 2m	meters	60	250.00		15,000.00
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Specification:

- 2 meters
- Nylon braided
- 1.4 version 3D support
- Support all high resolutions including 480p, 720p, 1080p and 1180p.
- Multi -channel digital audio with a 10.2 Gbps band-width
- HDMI AV cable for HDTV
- HDMI EMI/RFI Compliant Cable
- 24k GOLD plated HDMI plugs
- ROHS compliant cable.

11	HDMI Live Stream Switcher	unit	21	48,809.52		1,024,999.92
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Specification:

- 4-Channel Live Stream HDMI Switcher

<ul style="list-style-type: none"> • Live Tally, Stream and Record Status • 2-Channel Digital Audio Mixer per Source • Control up to Four BMPCC 6K/4K Cameras • HDMI Output, Ethernet ATEM Control • Upstream and Downstream Keyers 						
12	Hikvision HiWatch Series 2MP Outdoor PoE H.265 IP Camera Hikvision	unit	4	3,500.00		14,000.00
Specification: <ul style="list-style-type: none"> • Hikvision EXIR Fixed Turret Network IP Camera • High-quality imaging with 2 MP resolution • 1920 × 1080@30fps for HWI-T221H • 20fps max frame rate for E-HWIT • 1/2.8" progressive scan CMOS image sensor • Efficient H.265+ compression technology to save on bandwidth and storage • Clear imaging against strong backlight due to DWDR technology; Enhanced imaging due to BLC & 3D DNR • Water and dust resistant (IP67 protection) • Compatible with existing fleet 						
13	Monitor, 27" IPS, 4K (3840 x 2160)	unit	3	20,000.00		60,000.00
Specification: <ul style="list-style-type: none"> • Size (Inch): 27 Inch • Resolution: 3840 x 2160 • Panel Type: IPS • Aspect Ratio: 16:9 • Pixel Pitch: 0.1554 x 0.1554 mm • Brightness (Typ.): 300 cd/m² • Color Gamut (Typ.): sRGB 98% (CIE1931). • Color Depth (Number of Colors): 1.07B • Contrast Ratio (Min.): 700:1 • Contrast Ratio (Typ.): 1000:1 • Response Time 5ms (GtG at Faster) • Viewing Angle (CR?10) 178°(R/L), 178°(U/D) • Surface Treatment Anti-Glare 						
14	Monitor, 27" UHD	unit	40	22,000.00		880,000.00
Specification: <ul style="list-style-type: none"> • Size: 27" • Display Type: IPS • Display Resolution: 4K UHD • Color Gamut (Typ.): sRGB 98% (CIE1931) • Color Depth(Number of Colors): 1.07B • Pixel Pitch(mm): 0.1554 x 0.1554 mm • Response Time: 5ms (GtG at Faster) • Refresh Rate: 60Hz • Aspect Ratio: 16:9 • Resolution: 3840 x 2160 						

- Brightness: 300cd (typ) / 240cd (Min)
- Contrast Ratio: 700:1 (Min.), 1000:1 (Typ.)
- Viewing Angle: 178°(R/L), 178°(U/D)
- Surface Treatment: Anti Glare, 3H
- HDMI: Yes x 2
- DisplayPort: Yes x 1
- Headphone Out: Yes

15	Printer, Ink Tank, All-in-One, Wi-Fi Direct with ADF	unit	15	22,000.00		330,000.00
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Specification:

- Print, Scan, Copy, Fax with ADF
- Compact integrated tank design
- High yield ink bottles
- Spill-free, error-free refilling
- Wi-Fi, Wi-Fi Direct
- **Print Method:** On-demand inkjet (Piezoelectric)
- **Printer Language:** ESC/P-R, ESC/P Raster
- **Nozzle Configuration:** 180 x 1 nozzles Black, 59 x 1 nozzles per Colour (Cyan, Magenta, Yellow)
- **Maximum Resolution:** 5760 x 1440 dpi
- **Automatic 2-sided Printing:** No
- **Scanner Type:** Flatbed colour image scanner
- **Sensor Type:** CIS
- **Optical Resolution:** 600 x 1200 dpi
- **Type Of Fax:** Walk-up black-and-white and colour fax capability
- **Receive Memory / Page Memory:** 1.1 MB, Page memory up to 100 pages
- **USB:** USB 2.0
- **Network:** Ethernet, Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct
- **Network Protocol:** TCP/IP v4, TCP/IP v6

16	Ubiquiti 24 Ports PoE+ Switch + 4 ports SFP+Unfi Switch	unit	2	48,000.00		96,000.00
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Specification:

- The Switch 24 PoE (USW 24 PoE) is a fully managed switch with (24) GbE RJ45 ports, including (16) GbE, PoE+ ports, and (2) 1G SFP ports.
- The versatile USW 24 PoE provides Gigabit PoE links to Ethernet devices while also supplying Gigabit fiber uplink options fit for an enterprise network.
- The switch also offers an extensive suite of Layer 2 switching protocols, including port-specific operation modes (switching, mirroring, or aggregate), and
- features a 1.3" LCM color touchscreen that concisely displays key system and connection insights.
- **Compatible with the Existing fleet**

17	Ubiquiti UAP?AC?HD	unit	4	35,000.00		140,000.00
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Specification:

- Environment: Indoor/Outdoor
- 2.4 GHz Radio Rate: 800 Mbps
- 5 GHz Radio Rate: 1733 Mbps
- PoE Mode: 802.3at PoE+

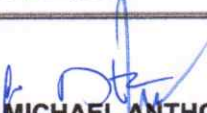
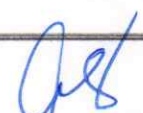

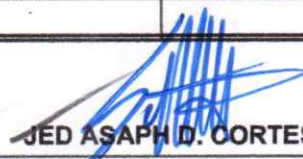
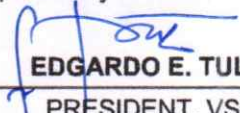
<ul style="list-style-type: none"> • Ports (2): 10/100/1000 Ethernet • Wi-Fi Users: 500+ Users • <i>Compatible with the existing fleet of VSU</i> 						
18	UTP Cable (305 meters), CAT 6 23 AWG	boxes	3	7,500.00		22,500.00
Specification: ?UTP Cable cat6 ?Cat 6 Cable UTP Unshielded AWG23 ?Gray Data LAN Cable ?1000 feet 305m 1000ft. ?must be UL listed & ISO certified cable						
19	Video Production Accesories	sets	20	2,000.00		40,000.00
Specification: Each 1 set includes: <ul style="list-style-type: none"> • 2 x high quality tripod for video camera • max load: 3 kg • max height: 140cm • material: aluminum alloy • 2 x micro HDMI male to HDMI Female adapter • 3 m velcro tape 16mm 						
20	VOIP Phone	unit	1	6,000.00		6,000.00
Specification: ?1-Line PoE+ SIP VOIP Phone SPA MAC address (IEEE 802.3) with lifetime warranty ?IPv4 (RFC 791)Integrated web server provides web-based administration and configuration ?Telephone keypad configuration via display menu/navigation ?Automated provisioning and upgrade via HTTPS, HTTP, TFTP ?Asynchronous notification of upgrade availability via NOTIFY ?Nonintrusive in-service upgrades ?Report generation and event logging ?Statistics transmitted in BYE message ?Syslog and debug server records: configurable per line ?Address Resolution Protocol (ARP) ?DNS: A record (RFC 1706), SRV record (RFC 2782) ?Dynamic Host Configuration Protocol (DHCP) client (RFC 2131) ?Internet Control Message Protocol (ICMP) (RFC 792) ?TCP (RFC 793) ?User Datagram Protocol (UDP) (RFC 768) ?Real-Time Transport Protocol (RTP) (RFC 1889, 1890) ?Real-Time Control Protocol (RTCP) (RFC 1889) ?Differentiated Services (DiffServ) (RFC 2475) ?Type of service (ToS) (RFC 791, 1349) ?VLAN tagging 802.1p/Q: Layer 2 quality of service (QoS) ?Simple Network Time Protocol (SNTP) (RFC 2030)SIP version 2 (RFC 3261, 3262, 3263, 3264) ?SPCP with the Cisco Unified Communications 500 Series						

?SIP proxy redundancy: dynamic via DNS SRV, A records
 ?Reregistration with primary SIP proxy server
 ?SIP support in NAT networks (including STUN)
 ?SIPFrag (RFC 3420)
 ?Secure (encrypted) calling via SRTP
 ?Codec name assignment
 ?Voice algorithms:
 ?G.711 (A-law and ?-law)
 ?G.726 (16/24/32/40 kbps)
 ?G.729 A
 ?G.722
 ?Dynamic payload support
 ?Adjustable audio frames per packet
 ?Dual-tone multifrequency (DTMF), in-band and out-of-band (RFC 2833) (SIP INFO)
 ?Flexible dial plan support with interdigit timers
 ?IP address/URI dialing support
 ?Call progress tone generation
 ?Jitter buffer: adaptive
 ?Frame loss concealment
 ?Comfort Noise Generation (CNG)
 ?Voice activity detection (VAD) with silence suppression
 ?Attenuation/gain adjustments
 ?VMWI - Voicemail Waiting Indicator, via NOTIFY, SUBSCRIBE
 ?Caller ID support (name and number)
 ?Third-party call control (RFC 3725)
 ?Should be compatible with existing fleet of VSU IP Phones

21	Wireless Microphone (2pcs) with Receiver	unit	20	36,000.00		720,000.00
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Specification:

- **Simultaneous Systems Per Band:**Up to 12
- **System: Analog/Digital:**Analog
- **System: Frequency Range:**542-572 MHz
- **System: Operating Range:**300 ft. Line-of-sight
- **System: Frequency Response:**50Hz-15kHz
- **System: Microphone Included:**Yes
- **System: Channel Selection:**Auto/Manual
- **Microphone: Type:**Dynamic
- **Microphone: Polar Pattern:**Cardioid
- **Microphone: Frequency Response:**50Hz-16kHz
- **Transmitter: Form Factor:**Handheld with Mic Capsule
- **Transmitter: Dynamic Range:**100dB (A-weighted)
- **Transmitter: Battery Type:**2 x AA
- **Transmitter: Battery Life:**Up tp 14 hours
- **Receiver: Antenna Type:**Fixed
- **Receiver: Type:**Table Top
- **Receiver: Displays:**LED
- **Receiver: Outputs:**2 x XLR (mic), 2 x 1/4" (instrument)

<ul style="list-style-type: none"> • Receiver: Power Source:12-15V DC power supply 						
22	XLR to XLR M/F cable 5ft	ft	40	500.00		20,000.00
Specification: <ul style="list-style-type: none"> • Material: Nickel plated contact + PVC surface • Connectors: 3-pin Male XLR to 3-pin Female XLR • Length: 5ft (1.5m) • Cable Type: 3 Pin XLR Cable • Interface Type: XLR Male to XLR Female 						
TOTAL						6,620,499.92
Purpose: Smart Campus						
Checked by:  MICHAEL ANTHONY JAY B. REGIS				Funds Available:  ALICIA M. FLORES <i>Smart Campus</i>		
TWG - IT Supplies and Equipment				HEAD, BUDGET OFFICE <i>note</i>		
Signature: Printed Name: Designation:	Requested by:	Noted by:		Approved by:		
	 WINDY O. TUYAN END USER	 JED ASAPH D. CORTES UNIT HEAD, PROJECT LEADER		 EDGARDO E. TULIN PRESIDENT, VSU <i>uh</i>		