

## Republic of the Philippines **VISAYAS STATE UNIVERSITY**

Visca, Baybay City, Leyte



## **PURCHASE REQUEST**

Dept./Office: MMDC

PR #: STF-2021-11-01481

Date: 11-03-2021

Section/End-User: Windy O. Tuyan

Category: IT Supplies and Equipment

Funding Source: Special Trust Fund

Project Title/Code: UIIC-2021

Item #	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	Livestreaming Machine	unit	1	120,000.00		120,000.00

## Specification:

- Streamer Encoder & Recorder:
  - ° 2K: 2048 x 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
  - ° HD: 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
  - HD: 1080i 25, 29.97, 30 HD: 720p 50, 59.94, 60
  - o SD: 525i, 625i
- Video Formats:
  - 2K inputs are center cut to 1080p and are only supported on SDI input
- Video Codec Support:
  - H.264/MPEG-4 Encoder
  - 100 KB/s to 20 MB/s (TBD) streamed output
  - 100 KB/s to 20 MB/s (TBD) recorded output
  - Up to 1080p60
  - Supports Baseline, Main and High
- Video Parameters:
  - 2.0, 3.0, 3.1, 4.0 and 4.1 level support
  - · 1 x 3G-SDI, SMPTE-259/292/296/424, 10-bit
  - Single Link 4:2:2 or 4:4:4 (1 x BNC)1 x HDMI Standard Type A connector
- Video Input Digital:
  - HDMI v1.4a, RGB or YCbCr1 x 3G-SDI, SMPTE-292/296/424, 10-bit
  - Single Link: 4:2:2 or 4:4:4 (1 x BNC)
  - 1 HDMI Standard Type A connector
- Video Output Digital
  - o HDMI v1.4a, RGB or YCbCr 32 KB/s to 256 KB/
  - o 32, 44.1 and 48 kHz 2-channel stereo
- Audio Encoding
  - MPEG-4 AAC-LC, 2-channel, 24-bit SDI embedded audio, 48 kHz sample rate, synchronous
- Audio Input Digital
  - 2-channel, 24-bit HDMI embedded audio, 48 kHz sample rate
  - 2-channel, Analog (Line Level, Unbalanced stereo 1 x 3.5 mm TRS connector)
  - ° 2-channel, 24-bit SDI embedded audio, 48 kHz sample rate synchronous
- Audio Output Digital
  - 2-channel, 24-bit HDMI embedded audio, 48kHz sample rate, synchronous

- ° 2-channel, Analog (Line Level, Unbalanced stereo1 x 3.5 m TRS connector
- Protocols
  - o RTMP, RTSP/RTP, Unicast and Multi Unicast (3 to 10 clients)
- · Slots:
  - 1 x USB 2.0 slot, (Can be NTFS 3.1 or FAT32)
  - o 1 x SD Card slot, SD and SDHC cards (NTFS 3.1)
- Storage: Mounted Network Share
- Stream Button
- Record Button
- Web UI: Simple Web Configuration via AJA eMini-Setup (OS X and P)
- Power: 100 to 240 V, 50/60 Hz Universal Input, +5-20 VDC 13 W
- Maximum Operating Temperature: 32 to 104F (0 to 40C)

	TOTAL			120,000.00			
Purpose: For I	Livestreaming Events						
Checked by:	DIONESIO I. ESTUR	PA 23, 20 97, 20, 50, 59,68	Funds Available:	M. FLORES tun pyzm la sapet			
	TWG - IT Supplies and Eq	uipment	HEAD, BUDGET OFFICE				
Signature: Printed Name:	Requested by:  WINDY B. TUYAN	Noted by:	alla de la companya dela companya dela companya de la companya dela companya de la companya dela companya de la companya dela companya dela companya de la companya dela companya de la companya dela com	Approved by:  LLYTHE  EDGARDO E. TULIN			
Designation:	END USER	UNIT HEAD, PR	ROJECT LEADER	PRESIDENT, VSU			