

Republic of the Philippines
VISAYAS STATE UNIVERSITY
PROCUREMENT OFFICE

SPECIFICATION

Item #	Item Name	Remarks (from End User)
1	Livestreaming Machine	

Full Specification

Sample Image

No Image Attached

- 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
 - 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
 - HDMI v1.4a, RGB or YCbCr 32 KB/s to 256 KB/
 - 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
 - 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)
- 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)