

Appendix A – Specifications

U-TAP HDMI Specifications

Video Formats

Video (HDMI)

- (HD) 1920 x 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- (HD) 1920 x 1080i 25, 29.97, 30
- (HD) 1280 x 720p 50, 59.94, 60
- (SD) 625p 25
- (SD) 625i 25
- (SD) 525p 29.97
- (SD) 525i 29.97

Computer (HDMI), up to 60 Hz max for all formats

- 1920 x 1080p
- 1680 x 1050p
- 1600 x 1200p
- 1600 x 1024p
- 1280 x 1024p
- 1280 x 960p
- 1280 x 768p
- 1024 x 768p
- 800 x 600p
- 640 x 480p

Scaled (USB), Frame rates for all formats: 7.5, 15, 25, 29.97, 30, 50, 59.94, 60

- 1920 x 1080p
- 1440 x 1080p
- 1280 x 720p
- 1024 x 576p
- 960 x 540p
- 856 x 480p
- 800 x 600p
- 768 x 576p
- 720 x 576p
- 720 x 480p
- 640 x 480p
- 640 x 360p
- 432 x 240p
- 352 x 288p
- 320 x 240p
- 176 x 144p

Video Input Digital

- HDMI v1.4a, 24, 30, or 36 bits/pixel, RGB or YUV

Audio Input Digital

- 2-Channel, 24-bit HDMI embedded audio, 48 kHz sample rate

Capture Video

- 16-bits/pixel, YUV (input video will be truncated as required)

Capture Audio

- 2-Channel, 16-bit, 48 kHz sample rate (input audio will be truncated as required)

Host Interface

- USB 3.0/USB 2.0 UVC/UAC compliant

Size (w x d x h)

- 3.3" x 2.4" x 1.0" (84mm x 61mm x 25mm)

Weight

- 0.3 lbs (0.2 kg)

Power

- 5V USB bus powered; 3.5W max

Environment

- Safe Operating Temperature: 0 to 40 degrees C (32 to 104 degrees F)
- Safe Storage Temperature (Power OFF): -40 to 60 degrees C (-40 to 140 degrees F)
- Operating Relative Humidity: 10-90% noncondensing
- Operating Altitude: <3,000 meters (<10,000 feet)

U-TAP SDI Specifications

Video Formats

Video (SDI)

- (HD) 1920 x 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- (HD) 1920 x 1080i 25, 29.97, 30
- (HD) 1280 x 720p 50, 59.94, 60
- (SD) 625i 25
- (SD) 525i 29.97

Scaled (USB), Frame rates for all formats: 7.5, 15, 25, 29.97, 30, 50, 59.94, 60

- 1920 x 1080p
- 1440 x 1080p
- 1280 x 720p
- 1024 x 576p
- 960 x 540p
- 856 x 480p
- 800 x 600p
- 768 x 576p
- 720 x 576p
- 720 x 480p
- 640 x 480p

- 640 x 360p
- 432 x 240p
- 352 x 288p
- 320 x 240p
- 176 x 144p

Video Input Digital

- 3G-SDI, SMPTE-259/292/424, YCbCr 4:2:2 (1 x BNC)

Video Loop Output

- 1 x 3G-SDI (1 x BNC)

Audio Input Digital

- 2-Channel, 24-bit SDI embedded audio, 48 kHz sample rate

Capture Video

- 16-bits/pixel, YUV (input video will be truncated as required)

Capture Audio

- 2-Channel, 16-bit, 48 kHz sample rate (input audio will be truncated as required)

Host Interface

- USB 3.0/USB 2.0 UVC/UAC compliant

Size (w x d x h)

- 4.1" x 2.4" x 1.0" (103 mm x 61mm x 25mm)

Weight

- 0.3 lbs (0.2 kg)

Power

- 5V USB bus powered; 4W max

Environment

- Safe Operating Temperature: 0 to 40 degrees C (32 to 104 degrees F)
- Safe Storage Temperature (Power OFF): -40 to 60 degrees C (-40 to 140 degrees F)
- Operating Relative Humidity: 10-90% noncondensing
- Operating Altitude: <3,000 meters (<10,000 feet)