

ISU Special Collections and University Archives Digitization Standards

Format	Preservation Master	Access Master	Access Copy
Audio- Analog	<ul style="list-style-type: none"> - Broadcast Wav File (BWF) wrapper - PCM uncompressed - 24-bit - 96kHz 	n/a	<ul style="list-style-type: none"> - MPEG Audio Layer 3 (MP3) - Bitrate 256Kbps
Audio- Digital	<ul style="list-style-type: none"> - Broadcast Wav File (BWF) wrapper - Native uncompressed data at original sample rate and bit-depth 	n/a	<ul style="list-style-type: none"> - MPEG Audio Layer 3 (MP3) - Bitrate 256Kbps
Video - Analog Standard Definition	<ul style="list-style-type: none"> - Quicktime wrapper (.mov) - Video encoded as 10-bit YUV 4:2:2 uncompressed (v210) - Audio encoded as uncompressed PCM, 48kHz - Maintain original aspect ratio, recording standard, interlacing, number of audio channels, and auxiliary information such as original timecode and closed captioning 	<ul style="list-style-type: none"> - Quicktime wrapper (.mov) - Video encoded as DV - Audio encoded as uncompressed PCM, 48kHz - Maintain original aspect ratio, recording standard, interlacing, number of audio channels, and auxiliary information such as original timecode and closed captioning 	<ul style="list-style-type: none"> - MPEG4 wrapper (.mp4 extension) - Video encoded as H.264 - Audio encoded as uncompressed AAC, 44.1kHz, 256Kbps - Bitrate 5.0Mbps

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Video-Digital	<ul style="list-style-type: none"> - Native encoding and data rate in Quicktime wrapper (.mov), e.g. DV for MiniDV and DVCam - Maintain original aspect ratio, recording standard, interlacing, number of audio channels, and auxiliary information such as original timecode and closed captioning 	<p style="text-align: center;">n/a</p>	<ul style="list-style-type: none"> - MPEG4 wrapper (.mp4) - Video encoded as H.264 - Audio encoded as AAC, 44.1kHz, 256kbps - Bitrate 5.0Mbps
Film	<p>16 and 8 mm:</p> <ul style="list-style-type: none"> - 2k 10-bit RGB 4:4:4 DPX log - Uncompressed 96kHz/ 24-bit Broadcast Wav File (BWF) for audio <p>35 mm:</p> <ul style="list-style-type: none"> - 4k 10-bit RGB 4:4:4 DPX log - Uncompressed 96kHz/24-bit Broadcast Wav File (BWF) for audio <p>24-bit Broadcast Wav File (BWF) for audio</p>	<ul style="list-style-type: none"> - MXF wrapper - AVC-Ultra 	<ul style="list-style-type: none"> - MPEG4 wrapper (.mp4 extension) - Video encoded as H.264 - Audio encoded as uncompressed AAC, 44.1kHz, 256kbps - Bitrate of 5.0mbps