

VIDEO SUBMISSION FORM



Nightlyfe**tv**

your guide to the other 9-5

High Definition Tape Delivery Requirements

* All material must be delivered on Sony's HD CAM SR or HD Cam tape format tapes.

HD CAM SR is the preferred tape delivery format and can be used to deliver;

For Surround Sound (5.1) programming.

For Stereo (2.0) programming.

* The size or length of tape is not relevant.

* All video tape programs are to be supplied on new tape stock.

* Tapes shall be free of dropouts, flash frames, and glitches.

* Tapes shall be recorded on VTRs which have been maintained and calibrated in compliance with the manufacture's specifications.

Safe Title Area:

* All titles and credits must be contained within the Safe Title Area as specified in SMPTE RP 218.

Video Specifications:

* NIGHTLYFE TV requires delivery of 1080i (16 x 9) aspect ratio program material, at 29.97

* frames per second (59.94 fields/sec) for broadcast.

* Pre-compressed audio formats (e.g. Dolby E, AC3, etc.) will not be accepted.

* Discrete audio "stems" will only be accepted.

The video information must conform to:

SMPTE 292M

SMPTE 274M at 1125 total lines with active video being 1920 samples horizontally and 1080 lines vertically.

The following criteria apply:

Luminance level should not exceed 100 IRE units.

Chrominance level should not exceed 100 IRE units in bars and 120 IRE units in program.

Set up level should not exceed zero IRE units

* "Ratings Measuring" data, "Interactive" data, "water-marking" inserted in the VANC or embedded into the Active Video and/or embedded in the Audio must be noted on the Video Tape Labeling.

Audio Specifications:

- * Program audio shall be delivered without static, dropouts, distortion, heavy dynamic compression or heavy limiting.
- * Reference tones shall be set at -20dbfs @ 1Khz and be present on all tracks which program audio will be present.

When measured using digital metering, 0 reference is defined as -20db down from the maximum full-scale digital level (dbfs) allowed by the AES/EBU digital audio standard of the tape machine. i.e. reference = -20dbfs.

- * Audio shall be digitized at 48 kHz, locked to video.
- * Audio shall conform to SMPTE RP-155 for reference level and headroom
- * No noise reduction or pre-emphasis shall be used.
- * Average program level (Absolute level) shall not exceed 0VU / -20dfs except for occasional peaks normally present in soundtracks.
- * Peak program levels shall be determined by using Peak Program Meters (PPM).
- * VU meters are not to be used to determine Peak Program Levels (PPL).
- * Dialog loudness shall comply to ITU-R BS.1770 Loudness specification and should be measured using a Dolby LM100 Broadcast Loudness meter set to "long term" level monitoring.
- * All multiple track recordings must be properly phased and separation shall correspond properly with visual separation.
- * There should be no discernible aberration in lip sync.
- * Audio sync relative to video frame shall not deviate by more than +/- 15ms.
- * The program supplier has the option of providing one of three audio track configurations on the program master. These options are detailed in the upcoming sections. The options are:

1. Discrete Two Channel Stereo
2. Dolby Matrix Surround Sound
3. 5.1 Surround Sound

Audio Track Configuration – option 1:

Discrete Two Channel Stereo

- * Discrete left and right stereo audio signals can be provided.

The following channel assignment will apply:

AES Pair 1: Channel 1 – Stereo program left

Channel 2 – Stereo program right

AES Pair 2: Channel 3 – Secondary Audio Program *

Channel 4 – Descriptive Video Service *

Audio Track Configuration – Option 2:

DOLBY Matrix Surround Sound (Lt, Rt)

- * Dolby Pro-Logic or Pro-Logic II compatible LT and RT encoded signals can be provided.

The following channel assignment will apply:

AES Pair 1: Channel 1 – Dolby Matrix Lt (left total)

Channel 2 – Dolby Matrix Rt (right total)

AES Pair 2: Channel 3 – Secondary Audio Program *

Channel 4 – Descriptive Video Service *

Audio Track Configuration – Option 3

Surround Sound

* Discrete audio tracks are to be provided.

* Pre-compressed (e.g. Dolby E, AC3, etc) will not be accepted

The following channel assignment will apply:

AES Pair 1: Channel 1 – Stereo Left (Mix down)

Channel 2 – Stereo Right (Mix down)

AES Pair 2: Channel 3 – Secondary Audio Program *

Channel 4 – Descriptive Video Service *

AES Pair 3: Channel 5 – Surround Left

Channel 6 – Surround Right

AES Pair 4: Channel 7 – Surround Center

Channel 8 – Surround Low Frequency Effects (LFE)

AES Pair 5: Channel 9 – Surround Left Rear

Channel 10 – Surround Right Rear

Audio Metadata Specifications

* Metadata shall be inserted onto the HDSDI video into VANC space; on line 9 in accordance with SMPTE 334M.

* When inserting the metadata SMPTE 334M Data ID (DID) number should be set to 50h (hex) and the Secondary ID (SID) number should be set to 101h (hex).

* The Dolby audio metadata provided should include the complete set of Professional Metadata (generated by a Dolby digital encoder or equivalent equipment).

Captioning:

* Closed caption data shall be inserted onto the HDSDI video in accordance with SMPTE 334M as outlined below; into VANC space, line 9.

* Caption distribution packet (CDP) will contain the caption service descriptor, EIA 708-B captions, and EIA 608 caption data, time code sequence counts to detect discontinuities in the stream of caption data packets.

* For inserting 708 captioning:

ID (DID) number should be set to 61h (hex) and the Secondary ID (SID) number should be set to 101h (hex).

* For inserting 608 captioning

ID (DID) number should be set to 61h (hex) and the Secondary ID (SID) number should be set to 102h (hex).

Time Code:

* Continuous SMPTE drop frame time code (DFTC) as specified in SMPTE 12M shall be recorded as longitudinal time code on all delivered videotape.

* The time code shall be synchronous to the recorded video.

* Multiple videotape copies furnished to NIGHTLYFE TV with the same program content must contain identical time code.

* If the videotape contains vertical interval time code (VITC) it shall contain the same time and be synchronous to the longitudinal time code (LTC).

* SMPTE time code should be continuous from SOT (Start of Tape) at 00:58:00:00 to 60 seconds post-program.

* VITC (Vertical Interval Time Code) shall be inserted in accordance with SMPTE RP188, SMPTE 291M and RP164 as outlined below; into VANC space, line 9

* ID (DID) number should be set to 60h (hex) and the Secondary ID (SID) number should be set to 60h (hex).

* Data count word set to 10h (hex).