
pycmx Documentation

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API Reference

1	Parse Function	1
2	pymx Classes	3
3	Indices and tables	7
	Index	9

CHAPTER 1

Parse Function

`pymx.parse_cm_events.parse_cm3600(f)`

Parse a CMX 3600 EDL.

Args: `f` : a file-like object, anything that's readlines-able.

Returns: An `pymx.edit_list.EditList`.

CHAPTER 2

pycmx Classes

class pycmx.edit_list.**EditList** (*statements*)
Represents an entire edit decision list as returned by *parse_cmx3600()*.

channels
Return the union of every channel channel.

events
A generator for all the events in the edit list

format
The detected format of the EDL. Possible values are: *3600*, *'File32'*, *File128*, and *unknown*

sources
A generator for all of the sources in the list

title
The title of this edit list.

unrecognized_statements
A generator for all the unrecognized statements in the list.

class pycmx.event.**Event** (*statements*)
Represents a collection of :class:`Edit`'s, all with the same event number.

edits
Returns the edits. Most events will have a single edit, a single event will have multiple edits when a dissolve, wipe or key transition needs to be performed.

number
Return the event number.

unrecognized_statements
A generator for all the unrecognized statements in the event.

class pycmx.edit.**Edit** (*edit_statement*, *audio_ext_statement*, *clip_name_statement*,
source_file_statement, *trans_name_statement=None*)
An individual source-to-record operation, with a source roll, source and recorder timecode in and out, a transition and channels.

aux_source

An auxiliary source is the source of this event.

black

Black video or silence should be used as the source for this event.

channels

Get the `ChannelMap` object associated with this Edit.

clip_name

Get the clip name, as attested by a “* FROM CLIP NAME” or “* TO CLIP NAME” remark on the EDL. This will return `None` if the information is not present.

line_number

Get the line number for the “standard form” statement associated with this edit. Line numbers are zero-indexed, such that the “TITLE:” record is line zero.

record_in

Get the record in timecode.

record_out

Get the record out timecode.

source

Get the source column. This is the 8, 32 or 128-character string on the event record line, this usually references the tape name of the source.

source_file

Get the source file, as attested by a “* SOURCE FILE” remark on the EDL. This will return `None` if the information is not present.

source_in

Get the source in timecode.

source_out

Get the source out timecode.

transition

Get the `Transition` object associated with this edit.

class `pymx.transition.Transition` (*transition, operand, name=None*)

A CMX transition: a wipe, dissolve or cut.

cut

True if this transition is a cut.

dissolve

True if this transition is a dissolve.

effect_duration

The duration of this transition, in frames of the record target.

In the event of a key event, this is the duration of the fade in.

key_background

True if this edit is a key background.

key_foreground

True if this edit is a key foreground.

key_out

True if this edit is a key out. This material will be removed from the key foreground and replaced with the key background.

kind
Return the kind of transition: Cut, Wipe, etc

wipe
True if this transition is a wipe.

wipe_number
Wipes are identified by a particular number.

class `pymx.channel_map.ChannelMap` (*v=False, audio_channels={}*)
Represents a set of all the channels to which an event applies.

a1
True if A1 is included

a2
True if A2 is included

a3
True if A3 is included

a4
True if A4 is included

audio
True if an audio channel is included

channels
A generator for each audio channel

get_audio_channel (*chan_num*)
True if *chan_num* is included

set_audio_channel (*chan_num, enabled*)
If *enabled* is true, *chan_num* will be included

video
True if video is included

CHAPTER 3

Indices and tables

- `genindex`
- `search`

A

a1 (*pymx.channel_map.ChannelMap* attribute), 5
a2 (*pymx.channel_map.ChannelMap* attribute), 5
a3 (*pymx.channel_map.ChannelMap* attribute), 5
a4 (*pymx.channel_map.ChannelMap* attribute), 5
audio (*pymx.channel_map.ChannelMap* attribute), 5
aux_source (*pymx.edit.Edit* attribute), 3

B

black (*pymx.edit.Edit* attribute), 4

C

ChannelMap (class in *pymx.channel_map*), 5
channels (*pymx.channel_map.ChannelMap* attribute), 5
channels (*pymx.edit.Edit* attribute), 4
channels (*pymx.edit_list.EditList* attribute), 3
clip_name (*pymx.edit.Edit* attribute), 4
cut (*pymx.transition.Transition* attribute), 4

D

dissolve (*pymx.transition.Transition* attribute), 4

E

Edit (class in *pymx.edit*), 3
EditList (class in *pymx.edit_list*), 3
edits (*pymx.event.Event* attribute), 3
effect_duration (*pymx.transition.Transition* attribute), 4
Event (class in *pymx.event*), 3
events (*pymx.edit_list.EditList* attribute), 3

F

format (*pymx.edit_list.EditList* attribute), 3

G

get_audio_channel () (py-cmx.channel_map.ChannelMap method), 5

K

key_background (*pymx.transition.Transition* attribute), 4
key_foreground (*pymx.transition.Transition* attribute), 4
key_out (*pymx.transition.Transition* attribute), 4
kind (*pymx.transition.Transition* attribute), 4

L

line_number (*pymx.edit.Edit* attribute), 4

N

number (*pymx.event.Event* attribute), 3

P

parse_cmx3600 () (in module *py-cmx.parse_cmx_events*), 1

R

record_in (*pymx.edit.Edit* attribute), 4
record_out (*pymx.edit.Edit* attribute), 4

S

set_audio_channel () (*py-cmx.channel_map.ChannelMap* method), 5
source (*pymx.edit.Edit* attribute), 4
source_file (*pymx.edit.Edit* attribute), 4
source_in (*pymx.edit.Edit* attribute), 4
source_out (*pymx.edit.Edit* attribute), 4
sources (*pymx.edit_list.EditList* attribute), 3

T

title (*pymx.edit_list.EditList* attribute), 3
Transition (class in *pymx.transition*), 4
transition (*pymx.edit.Edit* attribute), 4

U

unrecognized_statements (*py-cmx.edit_list.EditList* attribute), 3

unrecognized_statements (*pycmx.event.Event*
attribute), [3](#)

V

video (*pycmx.channel_map.ChannelMap* attribute), [5](#)

W

wipe (*pycmx.transition.Transition* attribute), [5](#)

wipe_number (*pycmx.transition.Transition* attribute),
[5](#)