

## 5.2 Clip features

### 5.2.1 PDF file searching for specific clip features

The PDF of the user manual may be searched to find clips that match the given CF-words ('CF'= Clip Feature).

### 5.2.2 Excel file sorting for specific clip features

In addition to the PDF of this manual, an Excel file is provided which lists all the clips and the clip features in columns. This spreadsheet is in Excel .xls format (compatible with Excel versions from 97-2000 and later).

There are two tabs in the spreadsheet:

- the first tab has the clip set title: this has all the items listed in the manual for the clip
- the second tab "Clip features" just lists the individual clips, with the list of their clip features and individual columns for each individual clip feature.

Probably the "Clip features" tab is easiest to use to find specific clips with specific features, although every column may be sorted for specific features, by clicking on the drop-down arrow adjacent to each column heading (the examples below are from the T2V001 USA East clip set)

1	A	B	C	D	E	F	G	
2	Number(s)	File	GN.01 Filename(s)	GN.02 Horizontal x vertical si	GN.03 Progressive / Interlaced	GN.04 Video format	GN.05 Bits per sam	GN.06 Video c
3	T2V001001, T2V001101, T2V001102	Bars_countdown	T2V001001_Bars_countdown_1920x1080p.yuv	1920x1080; 1280x720	'p' file suffix = progressive; 'i' file suffix = interlaced	'Y' YUV planar 4:8 (for each of 'U' YUV 4:2:0)	'HD' HD color	
4	T2V001002, T2V001102, T2V001202	Stars_n_Stripes	T2V001002_Stars_n_Stripes_1920x1080p.yuv	1920x1080; 1280x720	'p' file suffix = progressive; 'i' file suffix = interlaced	'Y' YUV planar 4:8 (for each of 'U' YUV 4:2:0)	'US' US flag	
5	T2V001003, T2V001103, T2V001203	Times_Square	T2V001003_Times_Square_1920x1080p.yuv	1920x1080; 1280x720	'p' file suffix = progressive; 'i' file suffix = interlaced	'Y' YUV planar 4:8 (for each of 'U' YUV 4:2:0)	'Some' Some	
6	T2V001004, T2V001104, T2V001204	Chrysler_building	T2V001004_Chrysler_building_1920x1080p.yuv	1920x1080; 1280x720	'p' file suffix = progressive; 'i' file suffix = interlaced	'Y' YUV planar 4:8 (for each of 'U' YUV 4:2:0)	'Slow' Slow	
7	T2V001005, T2V001105, T2V001205	Display	T2V001005_Display_1920x1080p.yuv	1920x1080; 1280x720	'p' file suffix = progressive; 'i' file suffix = interlaced	'Y' YUV planar 4:8 (for each of 'U' YUV 4:2:0)	'Large' Large	

Click arrow to get drop-down list of items in this column (example below for 'SS.01 People')

Select 'One' to show only clips with 'One' under 'SS.01 People'

Note that this first tab on the spreadsheet is roughly 100 columns wide (from column A to column CZ), so it may be helpful to use the 'Freeze Panes' feature (on the 'Window' menu in Excel 2000 and 2003) or split windows to keep the clip number visible.

The "Clip features" tab appears and can be sorted as indicated below:

1	A	B	C	D	E	F	G
2	Clip number / nam	Clip features	CF- animal	CF- angl	CF- bandin	CF- black_bac kgroun	CF- bright_da ylight
2	T2V001001_Bars_countdown	CF-text, CF-dark_areas, CF-patterns, CF-black_background, CF-round_objects, CF-transitions, CF-large_monochromatic				y	
3	T2V001002_Stars_n_Stripes	CF-bright_colours, CF-large_monochromatic, CF-movement_across					
4	T2V001003_Times_Square	CF-panning, CF-complex_scene					
5	T2V001004_Chrysler_building	CF-zoom_in, CF-fine_details, CF-low_contrast, CF-dull_daylight					
6	T2V001005_Display	CF-high_contrast, CF-rapid_changes					
7	T2V001006_Smiling	CF-faces, CF-people					
8	T2V001007_Traffic_duty	CF-faces, CF-text, CF-people					
9	T2V001008_Empire_State	CF-patterns, CF-scroll, CF-faces, CF-hand_held					
10	T2V001009_FDNY	CF-out_of_focus, CF-vehicles					
11	T2V001010_Checked_caps	CF-people, CF-movement_out, CF-patterns					
12	T2V001011_Gold_statue	CF-water, CF-patterns, CF-large_monochromatic					
13	T2V001012_Eyewitness_news	CF-moving_text					

Selecting a drop-down menu and clicking on 'y' reduces the list to those that have that CF value:

Clip number / name	CF-features
4 T2V001003 Times_Square	CF-panning, CF-complex_scene
34 T2V001033_People_crossing	CF-complex_scene, CF-vehicles, CF-people
36 T2V001035_Pan_left	CF-panning, CF-complex_scene, CF-tracking
45 T2V001044_Times_Sq_night	CF-night, CF-complex_scene, CF-dark_areas, CF-transitions, CF-scene_change, CF-graininess
48 T2V001047_Broadway	CF-night, CF-text, CF-complex_scene

### 5.2.3 List of 'CF' ('clip features') words used

- |                        |                      |                               |
|------------------------|----------------------|-------------------------------|
| CF-bright_sunlight     | CF-bright_daylight   | CF-dull_daylight              |
| CF-indoors_bright      | CF-sunrise_sunset    | CF-twilight                   |
| CF-night               | CF-indoors_dark      | CF-shaded                     |
| CF-light_picture       | CF-dark_areas        | CF-brightness_change          |
| CF-high_contrast       | CF-low_contrast      | CF-black_background           |
| CF-bright_colours      | CF-dull_colours      | CF-highlights                 |
| CF-large_monochromatic | CF-monochromatic     | CF-white_background           |
| CF-scene_change        | CF-transition        | CF-subjects_behind_foreground |
| CF-movement_in         | CF-movement_out      | CF-movement_across            |
| CF-rapid_movement      | CF-random_movement   | CF-low_movement               |
| CF-movement_up/down    | CF-diagonal_movement | CF-coordinated_movement       |
| CF-hand_held           | CF-angled            | CF-from_above                 |
| CF-zoom_in             | CF-panning           | CF-tracking                   |
| CF-zoom_out            | CF-scroll            | CF-tracking_following         |
| CF-out_of_focus        | CF-rotation          |                               |
| CF-people              | CF-faces             | CF-crowd                      |
| CF-talking_head        | CF-round             | CF-vehicles                   |
| CF-text                | CF-buildings         | CF-leaves                     |
| CF-water               | CF-reflections       | CF-trees                      |
| CF-patterns            | CF-fine_details      | CF-lines                      |
| CF-moiré               | CF-clouds            | CF-sky                        |
| CF-complex_scene       | CF-graininess        | CF-animals                    |
| CF-banding             | CF-speeded_up        |                               |
| CF-sound_talking       |                      |                               |

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## 6. Detailed information on individual clips

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The following pages provide detailed information on the clips in this set.

### 6.1 Detailed description of each clip

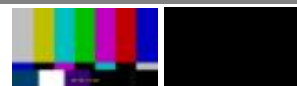
This section contains detailed descriptions of each video clip, and the associated audio.

70 features are listed for each clip: the purpose of providing these descriptions is to make it easier to select specific clips for specific features.

Therefore even if a characteristic does occur in a particular clip, this is not necessarily listed where it is not a prominent feature and/or where it is believed that the clip would not be selected for this particular feature.

Clearly to some extent these descriptions and selections are subjective, and the user is likely to come to their own conclusions as to which are most relevant to their particular codec / situation: the descriptions provided are intended to be an appropriate starting point.

**Bars\_countdown**



GN.01	Filenames	T2V016001_Bars_countdown_1920x1080p30.yuv T2V016101_Bars_countdown_1920x1080p60.yuv T2V016201_Bars_countdown_1920x1080i60.yuv T2V016301_Bars_countdown_1280x720p30.yuv T2V016401_Bars_countdown_1280x720p60.yuv
GN.02	Horizontal x vertical size(s)	1920x1080 : 1280x720
GN.03	Progressive / Interlaced	'p' file suffix = progressive; 'i' file suffix = interlaced
GN.04	Video format	YUV planar 4:2:0
GN.05	Bits per sample	8 (for each of Y, U, V)
GN.06	Video description	HD colour bars and countdown with title slate, black segment and audio tone & pips
GN.07	Principal purposes	Monitor set up; text
GN.08	Duration (mins:secs:frames) at 30 / 60 fps	00:30:00
GN.09	No. of frames (1080i 1 less)	900 : 1800 : 900 : 900 : 1800
GN.10	Original video format	1080p30; 1080p60; 1080i60; 720p30; 720p60
GN.11	File size(s) on disk (MB)	2,799 : 5,599 : 2,799 : 1,244 : 2,488
GN.12	CF words	CF-text, CF-dark_picture, CF-patterns, CF-black_background, CF-round_objects, CF-transitions, CF-large_monochromatic
GN.13	Associated audio types	MPEG1 Layer II 48kHz 16bit stereo 384kbps Constant Bit Rate 16bit uncompressed 48kHz stereo WAV
GN.14	Associated audio filenames	T2a016x01_Bars_countdown_act_MP1LII.mpa T2a016y01_Bars_countdown_act_unc.wav
GN.15	Associated audio description	1kHz audio tone and pips on countdown
GN.16	Audio duration	Same as video (video played at 30 / 60 fps)

Clip features	Details
<b>LIGHT CONDITIONS</b>	
LC.01	Bright sunlight -
LC.02	Bright daylight -
LC.03	Dull daylight -
LC.04	Shaded areas -
LC.05	Indoors bright -
LC.06	Indoors dark -
LC.07	Twilight -
LC.08	Sunrise/sunset -
LC.09	Night -

LC.10	Backlighting	-
LC.11	Large brightness change	Some
<b>SCENE SUBJECTS</b>		
SS.01	People	-
SS.02	Faces	-
SS.03	Vehicles	-
SS.04	Buildings	-
SS.05	Trees	-
SS.06	Text	Some
SS.07	Talking head	-
SS.08	Water	-

SS.09	Leaves/grass	-
SS.10	Sky	-
SS.11	Clouds	-
SS.12	Patterns	Some
SS.13	Round objects	One

### SCENE PROPERTIES

SP.01	Depth of field	-
SP.02	Out-of-focus	-
SP.03	Fine lines / moiré patterns	-
SP.04	Reflections	-
SP.05	Scene change	4
SP.06	Fades	-
SP.07	Transitions	4
SP.08	Slow/fast motion	-

### COLOURS & CONTRAST

CC.01	Light picture	Most
CC.02	Dark picture	Black
CC.03	Bright colours	Some
CC.04	Dull colours	-
CC.05	Fine detail/moiré patterns	-
CC.06	High contrast areas	Some
CC.07	Large monochromatic areas	Some
CC.08	Graininess	-
CC.09	Black background	10 seconds
CC.10	White background	-

### GLOBAL MOTION

GM.01	Fast track/pan	-
GM.02	Tracking in/out	-
GM.03	Tracking	-
GM.04	Panning	-
GM.05	Tracking (following)	-
GM.06	Fast scroll	-
GM.07	Scroll	-
GM.08	Angled	-
GM.09	Zoom in	-
GM.10	Zoom out	-
GM.11	Hand-held camera	-

### SUBJECT MOTION

SM.01	Movement out of picture	-
SM.02	Movement into picture	-
SM.03	Movement across picture	-
SM.04	Movement up/down	-
SM.05	Diagonal movement	-
SM.06	Subjects behind foreground objects	-
SM.07	Low movement	Yes

### SOUND CONTENT

SC.01	Talking	-
SC.02	Movement	-
SC.03	Vehicles	-
SC.04	Wind	-
SC.05	Music	-
SC.06	Background	-
SC.07	Other	1kHz tone

### SOUND CHARACTERISTICS

SH.01	Mono/ stereo	Stereo
SH.02	Average volume	Mid
SH.03	Level changes	-
SH.04	Clear/ distorted	-

## LeftRightSlow



GN.01	Filenames	T2V016002_LeftRightSlow_1920x1080p30.yuv T2V016102_LeftRightSlow_1920x1080p60.yuv T2V016202_LeftRightSlow_1920x1080i60.yuv T2V016302_LeftRightSlow_1280x720p30.yuv T2V016402_LeftRightSlow_1280x720p60.yuv
GN.02	Horizontal x vertical size(s)	1920x1080; 1280x720
GN.03	Progressive / Interlaced	'p' file suffix = progressive; 'i' file suffix = interlaced
GN.04	Video format	YUV planar 4:2:0
GN.05	Bits per sample	8 (for each of Y, U, V)
GN.06	Video description	Test card objects & video moving slowly left/right (only)
GN.07	Principal purposes	Slow motion tracking, left-wards
GN.08	Duration (mins:secs:frames) at 30 / 60 fps	00:30:00
GN.09	No. of frames	900 : 1800 : 900 : 900 : 1800
GN.10	1080i generation / artefacts	None (n/a)
GN.11	Original video format	Synthetic parts: 1080p30; 1080p60; 1080i60; 720p30; 720p60 Real-world video elements: re-timed from 1080p25
GN.12	File size(s) on disk (MB)	2,799 : 5,599 : 2,799 : 1,244 : 2,488
GN.13	CF words	CF-moiré , CF-patterns , CF-people, CF-complex_scene, CF-movement_across, CF-subjects_behind_foreground, CF-bright_colours
GN.14	Associated audio types	MPEG1 Layer II 48kHz 16bit stereo 384kbps Constant Bit Rate 16bit uncompressed 48kHz stereo WAV
GN.15	Associated audio filenames	T2a016x02_LeftRightSlow_act_MP1LII.mpa T2a016y02_LeftRightSlow_act_unc.wav
GN.16	Associated audio description	Music mixed with sound recorded with video
GN.17	Audio duration	Same as video (video played at 30 / 60 fps)

	<b>Clip features</b>	<b>Details</b>	LC.10	Backlighting	-
			LC.11	Large brightness change	Some
	<b>LIGHT CONDITIONS</b>			<b>SCENE SUBJECTS</b>	
LC.01	Bright sunlight	-	SS.01	People	Many
LC.02	Bright daylight	-	SS.02	Faces	Many
LC.03	Dull daylight	Some	SS.03	Vehicles	Cars
LC.04	Shaded areas	-	SS.04	Buildings	-
LC.05	Indoors bright	-	SS.05	Trees	-
LC.06	Indoors dark	-	SS.06	Text	Moving
LC.07	Twilight	-	SS.07	Talking head	-
LC.08	Sunrise/sunset	-	SS.08	Water	-
LC.09	Night	-			

SS.09	Leaves/grass	-	GM.11	Hand-held camera	-
SS.10	Sky	-	<b>SUBJECT MOTION</b>		
SS.11	Clouds	-	SM.01	Movement out of picture	-
SS.12	Patterns	Many	SM.02	Movement into picture	-
SS.13	Round objects	One	SM.03	Movement across picture	Lots, slow & fast
<b>SCENE PROPERTIES</b>			SM.04	Movement up/down	-
SP.01	Depth of field	Shallow	SM.05	Diagonal movement	-
SP.02	Out-of-focus	Some	SM.06	Subjects behind foreground objects	Many
SP.03	Fine lines / moiré patterns	Lots	SM.07	Low movement	-
SP.04	Reflections	-	<b>SOUND CONTENT</b>		
SP.05	Scene change	-	SC.01	Talking	-
SP.06	Fades	-	SC.02	Movement	-
SP.07	Transitions	-	SC.03	Vehicles	Traffic
SP.08	Slow/fast motion	Lots slow & fast	SC.04	Wind	-
<b>COLOURS &amp; CONTRAST</b>			SC.05	Music	Mid-volume
CC.01	Light picture	Areas	SC.06	Background	-
CC.02	Dark picture	-	SC.07	Other	-
CC.03	Bright colours	Area	<b>SOUND CHARACTERISTICS</b>		
CC.04	Dull colours	-	SH.01	Mono/ stereo	Stereo
CC.05	Fine detail/moiré patterns	Lots	SH.02	Average volume	Mid
CC.06	High contrast areas	Several	SH.03	Level changes	-
CC.07	Large monochromatic areas	Several	SH.04	Clear/ distorted	-
CC.08	Graininess	-	<b>GLOBAL MOTION</b>		
CC.09	Black background	-	GM.01	Fast track/pan	-
CC.10	White background	Little	GM.02	Tracking in/out	-
<b>GLOBAL MOTION</b>			GM.03	Tracking	-
GM.01	Fast track/pan	-	GM.04	Panning	-
GM.02	Tracking in/out	-	GM.05	Tracking (following)	-
GM.03	Tracking	-	GM.06	Fast scroll	-
GM.04	Panning	-	GM.07	Scroll	-
GM.05	Tracking (following)	-	GM.08	Angled	-
GM.06	Fast scroll	-	GM.09	Zoom in	-
GM.07	Scroll	-	GM.10	Zoom out	-
GM.08	Angled	-			
GM.09	Zoom in	-			
GM.10	Zoom out	-			