

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).

The majority of the CF-words relate to aspects of the clip such as lighting and subject matter; those that pertain to 3D are denoted as 'CF3D-...'.

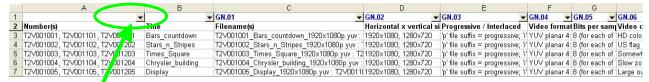
5.2.2 Excel file sorting for specific clip features

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).

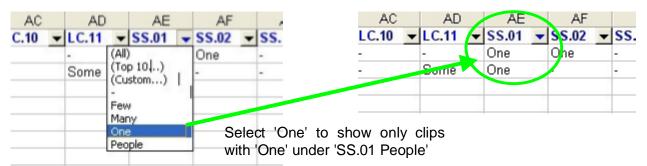
There are two tabs in the spreadsheet:

- 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)

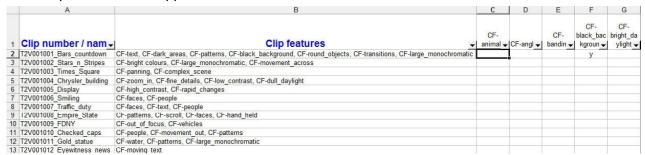


Click arrow to get drop-down list of items in this column (example below for 'SS.01 People')



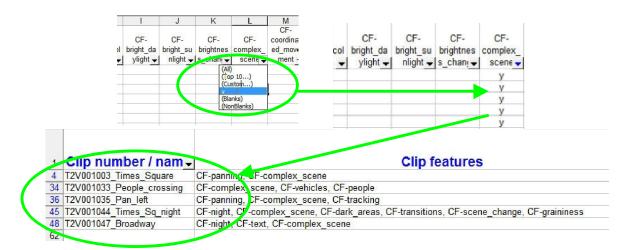
Note that this first tab on the spreadsheet is roughly 100 columns wide (from column A to column CZ), so it may be helpful to use the 'Freeze Panes' feature (on the 'Window' menu in Excel 2000 and 2003) or split windows to keep the clip number visible.

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





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



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

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

3D specific:

CF3D-effect_mild	CF3D-effect_medium	CF3D-effect_strong
CF3D-effect_excessive	CF3D-peak_negative	CF3D-peak_positive
CF3D-effect_change		
CF3D-perception_hard	CF3D-viewer_discomfort	CF3D-window_violation
CF3D-diff_colour	CF3D-diff_elements	CF3D-diff_geometry
CF3D-diff_not_genlocked		
CF3D-Sky_spec_yes	CF3D-Sky_spec_no	
CF3D-zoom	CF3D-rotation	CF3D-fast_movement
CF3D-contrast	CF3D-grain	

Meanings of the 3D-specific CF-words above:

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CF3D-effect_mild CF3D-effect_medium CF3D-effect_strong CF3D-effect_excessive	How strong the 3D effect in general is perceived to be for the clip, when viewed with the screen size and distance as described in section 3.2.10 At least one of these is stated for every clip		
CF3D-effect_change	The depth of the 3D effect changes during the clip		
CF3D-peak_negative CF3D-peak_positive	Transitory peak negative or positive disparity which exceeds the Sky specification (see section 3.2.16)		
CF3D-perception_hard	3D is hard to perceive either due to scene contents (differences left to right) or lighting differences (e.g. flare from sunlight in one side only) or random nature of scene contents		



CF3D-viewer_discomfort	Clips where it is considered that viewer discomfort might be caused, e.g. due to differences left to right, or excessive disparity that continues too long, or window violation(s)
CF3D-window_violation	Where a significant object appears in one side and not the other for a sufficiently long time as to be noticeable
CF3D-diff_colour	Where there is a colour difference between left and right
CF3D-diff_elements	Where there are some elements within the scene which are different between left and right, e.g. due to reflections
CF3D-diff_geometry	Where the geometry is different left to right e.g. due to differential zoom; optical effects
CF3D-diff_not_ genlocked	The cameras have not been 'genlocked' and there may be some very minor artefacts as a result (see section 3.2.13)
CF3D-Sky_spec_yes CF3D-Sky_spec_no	Whether or not the clip meets the Sky specification (see section 3.2.16) either for average or transitory negative and positive disparity One of these is stated for every clip
CF3D-zoom	Zooming in or out
CF3D-rotation	Effect on 3D of rotation
CF3D-fast_movement	Effect on 3D of fast movement
CF3D-contrast	High or low contrast in both views or contrast differences between left and right could affect 3D
CF3D-grain	Graininess of sequence could affect 3D

General:

CF-bright_sunlight	CF-bright_daylight	CF-sunrise_sunset
CF-dull_daylight	CF-brightness_change	CF-shaded
CF-indoors_bright	CF-indoors_dark	CF-night
CF-twilight	CF-light_picture	CF-dark_picture
CF-high_contrast	CF-black_background	CF-dark_areas
CF-low_contrast	CF-white_background	CF-monochromatic
CF-people	CF-vehicles	CF-water
CF-buildings	CF-faces	CF-text
CF-trees	CF-leaves_grass	CF-crowd
CF-sky	CF-clouds	CF-complex_scene
CF-patterns	CF-reflections	CF-round_objects
CF-round	CF-animals	
CF-lines	CF-moire	CF-moving_text
CF-fine_details	CF-highlights	CF-light_sky
CF-graininess	CF-out_of_focus	CF-depth_of_field

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CF-bright_colours CF-dull_colours CF-large_monochromatic CF-movement_in CF-movement_out CF-movement_up/down CF-movement_across CF-random_movement CF-diagonal_movement CF-coordinated_movement CF-from_above CF-hand_held CF-rapid_changes CF-low_subject_movement CF-rapid_movement CF-slow motion CF-speeded_up CF-fast_track_pan **CF-panning** CF-scroll CF-tracking CF-tracking_following CF-jerky **CF-transition CF-transitions** CF-fade CF-zoom_in CF-zoom_out CF-rapid_zoom CF-CF-angled **CF-banding** subjects_behind_foreground CF-sound_vehicles CF-sound_talking CF-sound_water CF-wind CF-music CF-sound_other



6. Detailed information on individual clips

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.



01_Monorail





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GN.01	Filename(s)		T3D002n01_Monorail_1920x1080p60/i30_8b_P420_l/r.yuv [n=0 for p60; n=1 for i30]		
GN.02	Horizontal x vertical size	е	1920x1080		
GN.03	Progressive / Interlaced	I	p60=progressive; i30=interlaced Top Field First		
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		White monorail trains coming and going		
GN.07	Principal purposes		Straightforward codec efficiency test in reasonably complex scene		
GN.08	3D notes		Optical lens geometry not perfect left-right, but does not adversely affect 3D		
GN.09	Duration (mins:secs:frai	mes)	00:25:11 (60p), 00:25:05 (30i)		
GN.10	Number of frames		1511 (60p), 755 (30i)		
GN.11	File size on disk (MB), combined L+R		9,400 (60p) ; 4,700 (30i)		
GN.12	3D CF-words		CF3D-effect_mild, CF3D-Sky_spec_yes		
GN.13	CF-words		CF-bright_colours, CF-bright_sunlight, CF-buildings, CF-complex_scene, CF-fade, CF-fine_details, CF-large_monochromatic, CF-light_sky, CF-light_picture, CF-lines, CF-moire, CF-movement_across, CF-movement_in, CF-movement_out, CF-patterns, CF-rapid_changes, CF-scene_change, CF-sky, CF-transition, CF-vehicles		
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		T3a002x01_Monorail_act_MP1LII.mpa : T3a002y01_Monorail_act_unc.wav		
GN.16	Associated audio descri	iption	Actual audio recorded with video		
GN.17	Audio duration		Same as video (video played at 59.94fps)		
(Clip features	Details			
3D DATA			3DN.09 Geometric correction None		
3DN.01	Ave. Negative disparity	0.0%	3DN.10 Floating window used No		

	Clip features	Details	3DN.08	Colour corrected	Yes
3D DAT	A		3DN.09	Geometric correction	None
3DN.01	Ave. Negative disparity	0.0%	3DN.10	Floating window used	No
3DN.02	Ave. Positive disparity	0.3%	3D EVA	LUATION	
3DN 03	Ave. within Sky spec (-1% / +2%)	Yes	3EV.01	3D effect	Mild
0211.00	(-1% / +2%)		3EV.02	Change in 3D effect	-
3DN.04	Peak Negative disparity	-0.2%		•	_
3DN.05	Peak Positive disparity	0.6%	3EV.03	Peak negative or positive disparity	_
3DN.06	Peak within Sky spec (-2.5% / +4%)	Yes	3EV.04	3D perception hard	-
0200	(-2.5% / +4%)		3EV.05	3D viewer discomfort	-
3DN.07	Interocular (mm)	40-65	3EV.06	3D window violation	-

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3EV.07	3D diff. Left to Right	-	SP.08	Slow/fast motion	Some slow
3EV.08	Comply with Sky spec	Yes	COLO	JRS & CONTRAST	
3EV.09	3D possibly affected by	-	CC.01	Light picture	All
LIGHT	CONDITIONS		CC.02	Dark picture	-
LC.01	Bright sunlight	All	CC.03	Bright colours	Most
LC.02	Bright daylight	-	CC.04	Dull colours	-
LC.03	Dull daylight	-	CC.05	Fine detail/moiré patterns	Areas
LC.04	Shaded areas	-	CC.06	High contrast areas	-
LC.05	Indoors bright	-	CC.07	Large monochromatic	One (sky)
LC.06	Indoors dark	-	CC.08	areas Graininess	_
LC.07	Twilight	-		Black background	_
LC.08	Sunrise/sunset	-		White background	_
LC.09	Night	-		-	-
LC.10	Backlighting	-		AL MOTION	
LC.11	Large brightness change	-		Fast track/pan	-
SCENE	SUBJECTS			Tracking in/out	-
SS.01	People	Deep		Tracking	-
SS.02	Faces	-		Panning Tanakin n. (fallowing)	-
SS.03	Vehicles	Some		Tracking (following)	-
SS.04	Buildings	-		Fast scroll	-
SS.05	Trees	One	GM.07		-
SS.06	Text	One		Angled Zoom in	_
SS.07	Talking head	-		Zoom out	-
SS.08	Water	Some slow			_
SS.09	Leaves/grass	-		Hand-held camera	_
SS.10	Sky	Monochromati c blue		CT MOTION	Como alou
SS.11	Clouds	- blue		Movement out of picture	Some, slow
	Patterns	_		Movement into picture	Some, slow Some, slow
	Round/curved objects	_		Movement up/down	Some, Slow
	•			Movement up/down Diagonal movement	_
SP.01	PROPERTIES Depth of field	Deep		Subjects behind	_
SP.02	Out-of-focus	-	SM.06	foreground objects	-
SP.03	Fine lines/moiré patterns	Some	SM.07	Low movement	-
SP.04	Reflections	-	SOUNI	CONTENT	
SP.05	Scene change	One	SC.01	Talking	-
SP.06	Fades	One	SC.02	Movement	-
SP.07	Transitions	-	SC.03	Vehicles	-
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SC.04 Wind -

SC.05 Music -

SC.06 Background Traffic

SC.07 Other -

SOUND CHARACTERISTICS

SH.01 Mono/ stereo Stereo SH.02 Average volume Quiet

SH.03 Level changes -

SH.04 Clear/ distorted Clear