

TUM Multi Format Test Set

documentation for sequence

1080p_akt1



General Information

Content

genre	general information
Film	Famous "Oktoberfest" at night. Many colored lights, spot lights

Images					Colour Space				
size	frame rate	standard	number of frames	image format	type of colour space	bit depth	black	white	
1920x1080	24p	SMPTE 274M	400	TIFF	RGB	8	16	235	

Object Motion			Camera Motion		
type		speed	type		speed
A lot of small motion		medium	No motion		

Colours		Structures		
main colour	saturated colours	regular structures	details	contrast
	No	No	high	high

Recording

Camera		Camera Settings		
type	camera model	captured size	frame rate	recorded on
Film 35mm	Film	35mm	24p	Film, 35mm

Compression						
standard	colour space	colour subsampling	compression ratio	bit depth	data rate	
HD-D5	YUV	4:2:2	4:1	10		

Post Production

Camera		
upsampling filter	manufacturer of upsampling box	colour correction
none	None	No

Additional Compression					
standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HDCAM	YUV	3:1:1	4:1	8	140 Mbit/s

TUM Multi Format Test Set

documentation for sequence

1080p_akt2



General Information

Content

genre	general information
Film	Rich decorated horses at the oktoberfest

Images

size	frame rate	standard	number of frames	image format
1920x1080	24p	SMPTE 274M	300	TIFF

Colour Space

type of colour space	bit depth	black	white
RGB	8	16	235

Object Motion

type	speed
Non-Rigid-Body motion	slow

Camera Motion

type	speed
No motion	

Colours

main colour	saturated colours
	No

Structures

regular structures	details	contrast
No	high	high

Recording

Camera

type	camera model
Film 35mm	Film

Camera Settings

captured size	frame rate	recorded on
35mm	24p	Film, 35mm

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HD-D5	YUV	4:2:2	4:1	10	

Post Production

Camera

upsampling filter	manufacturer of upsampling box	colour correction
none	None	No

Additional Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HDCAM	YUV	3:1:1	4:1	8	140 Mbit/s

TUM Multi Format Test Set

documentation for sequence

1080p_akt3



General Information

Content

genre	general information
Film	Pan from many ballons to the front of a beer tent

Images

size	frame rate	standard	number of frames	image format
1920x1080	24p	SMPTE 274M	240	TIFF

Colour Space

type of colour space	bit depth	black	white
RGB	8	16	235

Object Motion

type	speed
Chaotic Non-Rigid-Body motion	slow

Camera Motion

type	speed
Pan, Tilt	medium

Colours

main colour	saturated colours
	Yes

Structures

regular structures	details	contrast
No	high	high

Recording

Camera

type	camera model
Film 35mm	Film

Camera Settings

captured size	frame rate	recorded on
35mm	24p	Film, 35mm

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HD-D5	YUV	4:2:2	4:1	10	

Post Production

Camera

upsampling filter	manufacturer of upsampling box	colour correction
none	None	No

Additional Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HDCAM	YUV	3:1:1	4:1	8	140 Mbit/s

TUM Multi Format Test Set

documentation for sequence

1080p_akt4



General Information

Content

genre	general information
Film	Camera watching the crowd at the "Oktoberfest"

Images

size	frame rate	standard	number of frames	image format
1920x1080	24p	SMPTE 274M	340	TIFF

Colour Space

type of colour space	bit depth	black	white
RGB	8	16	235

Object Motion

type	speed
Non-Rigid-Body motion	slow

Camera Motion

type	speed
No motion	

Colours

main colour	saturated colours
	No

Structures

regular structures	details	contrast
No	high	high

Recording

Camera

type	camera model
Film 35mm	Film

Camera Settings

captured size	frame rate	recorded on
35mm	24p	Film, 35mm

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HD-D5	YUV	4:2:2	4:1	10	

Post Production

Camera

upsampling filter	manufacturer of upsampling box	colour correction
none	None	No

Additional Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HDCAM	YUV	3:1:1	4:1	8	140 Mbit/s

TUM Multi Format Test Set

documentation for sequence

1080p_0kt5



General Information

Content

genre	general information
Film	Fairground rides

Images

size	frame rate	standard	number of frames	image format
1920x1080	24p	SMPTE 274M	400	TIFF

Colour Space

type of colour space	bit depth	black	white
RGB	8	16	235

Object Motion

type	speed
Complex object motion	fast

Camera Motion

type	speed
No motion	

Colours

main colour	saturated colours
	No

Structures

regular structures	details	contrast
No	high	high

Recording

Camera

type	camera model
Film 35mm	Film

Camera Settings

captured size	frame rate	recorded on
35mm	24p	Film, 35mm

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HD-D5	YUV	4:2:2	4:1	10	

Post Production

Camera

upsampling filter	manufacturer of upsampling box	colour correction
none	None	No

Additional Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HDCAM	YUV	3:1:1	4:1	8	140 Mbit/s

TUM Multi Format Test Set

documentation for sequence

1080p_akt6



General Information

Content

genre	general information
Film	Tilt down a tower of a beer tent

Images

size	frame rate	standard	number of frames	image format
1920x1080	24p	SMPTE 274M	240	TIFF

Colour Space

type of colour space	bit depth	black	white
RGB	8	16	235

Object Motion

type
Only minor object motion

speed
slow

Camera Motion

type	speed
Tilt	medium

Colours

main colour	saturated colours
	No

Structures

regular structures	details	contrast
No	high	high

Recording

Camera

type	camera model
Film 35mm	Film

Camera Settings

captured size	frame rate	recorded on
35mm	24p	Film, 35mm

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HD-D5	YUV	4:2:2	4:1	10	

Post Production

Camera

upsampling filter	manufacturer of upsampling box	colour correction
none	None	No

Additional Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HDCAM	YUV	3:1:1	4:1	8	140 Mbit/s

TUM Multi Format Test Set



Contact

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