

TUM Multi Format Test Set

documentation for sequence

576i_tum1



General Information

Content

genre	general information
Test shot	Zoom out and pan over some buildings of Munich university

Images

size	frame rate	standard	number of frames	image format
720x576	50i	ITU-R 601	1000	TIFF

Colour Space

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

Object Motion

type	speed
No motion	

Camera Motion

type	speed
Pan, Zoom	slow

Colours

main colour	saturated colours
grey	No

Structures

regular structures	details	contrast
Yes	high	medium

Recording

Camera

type	camera model
DigiBeta	DigiBeta Sony DVW-700 P

Camera Settings

captured size	frame rate	recorded on
720x576	50i	DigiBeta

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
DigiBeta	YUV	4:2:2	2:1	10	127,6 Mbit/s

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
none					

TUM Multi Format Test Set

documentation for sequence

576i_tum2



General Information

Content

genre **general information**
Test shot **Pan right over some buildings of Technische Univerisität München**

Images

size	frame rate	standard	number of frames	image format
720x576	50i	ITU-R 601	800	TIFF

Colour Space

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

Object Motion

type	speed
No motion	

Camera Motion

type	speed
Pan	slow

Colours

main colour	saturated colours
grey	No

Structures

regular structures	details	contrast
Yes	high	medium

Recording

Camera

type	camera model
DigiBeta	DigiBeta Sony DVW-700 P

Camera Settings

captured size	frame rate	recorded on
720x576	50i	DigiBeta

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
DigiBeta	YUV	4:2:2	2:1	10	127,6 Mbit/s

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
none					

TUM Multi Format Test Set

documentation for sequence

576i_tum3



General Information

Content

genre	general information
Test shot	Pan left over some buildings of Technische Univerisität München

Images

size	frame rate	standard	number of frames	image format
720x576	50i	ITU-R 601	650	TIFF

Colour Space

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

Object Motion

type	speed
No motion	

Camera Motion

type	speed
Pan	medium

Colours

main colour	saturated colours
grey	No

Structures

regular structures	details	contrast
Yes	high	medium

Recording

Camera

type	camera model
DigiBeta	DigiBeta Sony DVW-700 P

Camera Settings

captured size	frame rate	recorded on
720x576	50i	DigiBeta

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
DigiBeta	YUV	4:2:2	2:1	10	127,6 Mbit/s

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
none					

TUM Multi Format Test Set

documentation for sequence

576i_tum4



General Information

Content

genre **Test shot** general information **Pan right over some buildings of Technische Univerisität München**

Images

size	frame rate	standard	number of frames	image format
720x576	50i	ITU-R 601	1000	TIFF

Colour Space

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

Object Motion

type	speed
No motion	

Camera Motion

type	speed
Pan	slow

Colours

main colour	saturated colours
grey	No

Structures

regular structures	details	contrast
Yes	high	medium

Recording

Camera

type	camera model
DigiBeta	DigiBeta Sony DVW-700 P

Camera Settings

captured size	frame rate	recorded on
720x576	50i	DigiBeta

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
DigiBeta	YUV	4:2:2	2:1	10	127,6 Mbit/s

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
None					

TUM Multi Format Test Set

documentation for sequence

576i_tum5



General Information

Content

genre **general information**
Test shot **Pan and zoom in over some buildings of Technische Univerisität München**

Images

size	frame rate	standard	number of frames	image format
720x576	50i	ITU-R 601	1050	TIFF

Colour Space

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

Object Motion

type	speed
No motion	

Camera Motion

type	speed
Pan	slow

Colours

main colour	saturated colours
grey	No

Structures

regular structures	details	contrast
Yes	high	medium

Recording

Camera

type	camera model
DigiBeta	DigiBeta Sony DVW-700 P

Camera Settings

captured size	frame rate	recorded on
720x576	50i	DigiBeta

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
DigiBeta	YUV	4:2:2	2:1	10	127,6 Mbit/s

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
None					

TUM Multi Format Test Set

documentation for sequence

576p_testament1



General Information

Content

genre	general information
Movie (Video)	Two people running through a park, including a cross fade (Letterbox to 16:9)

Images

size	frame rate	standard	number of frames	image format
720x576	25p	ITU-R 601	350	TIFF

Colour Space

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

Object Motion

type	speed
Non-Rigid-Body motion	fast

Camera Motion

type	speed
Boom	fast

Colours

main colour	saturated colours
green	No

Structures

regular structures	details	contrast
No	medium	high

Recording

Camera

type	camera model
MiniDV (Professional)	Panasonic AG-DVX100 (PAL)

Camera Settings

captured size	frame rate	recorded on
720x576	25p	MiniDV

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
DV	YUV	4:2:0	5:1	8	25 Mbit/s

Post Production

Camera

upsampling filter	manufacturer of upsampling box	colour correction
none	None	Yes

Additional Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
None					

TUM Multi Format Test Set

documentation for sequence

576p_testament2



General Information

Content

genre	general information
Movie (Video)	Two people walking towards a house, camera goes up, includ (Letterbox to 16:9)es titles

Images

size	frame rate	standard	number of frames	image format
720x576	25p	ITU-R 601	400	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
Boom	medium

Colours

main colour	saturated colours
	No

Structures

regular structures	details	contrast
No	medium	high

Recording

Camera

type	camera model
MiniDV (Professional)	Panasonic AG-DVX100 (PAL)

Camera Settings

captured size	frame rate	recorded on
720x576	25p	MiniDV

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
DV	YUV	4:2:0	5:1	8	25 Mbit/s

Post Production

Camera

upsampling filter	manufacturer of upsampling box	colour correction
none	None	Yes

Additional Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
None					

TUM Multi Format Test Set

documentation for sequence

576p_testament3



General Information

Content

genre	general information
Movie (Video)	Camera goes down from a very top view to a glass of a man sitting in front of a restaurant (Letterbox to 16:9)

Images

size	frame rate	standard	number of frames	image format
720x576	25p	ITU-R 601	350	TIFF

Colour Space

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

Object Motion

type	speed
Only minor object motion	slow

Camera Motion

type	speed
Boom	fast

Colours

main colour	saturated colours
	No

Structures

regular structures	details	contrast
No	medium	high

Recording

Camera

type	camera model
MiniDV (Professional)	Panasonic AG-DVX100 (PAL)

Camera Settings

captured size	frame rate	recorded on
720x576	25p	MiniDV

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
DV	YUV	4:2:0	5:1	8	25 Mbit/s

Post Production

Camera

upsampling filter	manufacturer of upsampling box	colour correction
none	None	Yes

Additional Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
None					

TUM Multi Format Test Set

documentation for sequence

576p_testament4



General Information

Content

genre	general information
Movie (Video)	Camera glides over a wooden table towards two people sitting at the end of this table (Letterbox to 16:9)

Images

size	frame rate	standard	number of frames	image format
720x576	25p	ITU-R 601	325	TIFF

Colour Space

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

Object Motion

type	speed
Only minor object motion	slow

Camera Motion

type	speed
Boom	medium

Colours

main colour	saturated colours
	No

Structures

regular structures	details	contrast
No	medium	high

Recording

Camera

type	camera model
MiniDV (Professional)	Panasonic AG-DVX100 (PAL)

Camera Settings

captured size	frame rate	recorded on
720x576	25p	MiniDV

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
DV	YUV	4:2:0	5:1	8	25 Mbit/s

Post Production

Camera

upsampling filter	manufacturer of upsampling box	colour correction
none	None	Yes

Additional Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
None					

TUM Multi Format Test Set

documentation for sequence

576p_testament5



General Information

Content

genre	general information
Movie (Video)	Camera goes up from very bottom view at the side of a road to top view observing the whole landscape, includes titles

Images

size	frame rate	standard	number of frames	image format
720x576	25p	ITU-R 601	475	TIFF

Colour Space

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

Object Motion

type	speed
Regular	fast

Camera Motion

type	speed
Boom	medium

Colours

main colour	saturated colours
	No

Structures

regular structures	details	contrast
No	medium	medium

Recording

Camera

type	camera model
MiniDV (Professional)	Panasonic AG-DVX100 (PAL)

Camera Settings

captured size	frame rate	recorded on
720x576	25p	MiniDV

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
DV	YUV	4:2:0	5:1	8	25 Mbit/s

Post Production

Camera

upsampling filter	manufacturer of upsampling box	colour correction
none	None	Yes

Additional Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
None					

TUM Multi Format Test Set

documentation for sequence

720p_cc1



General Information

Content

genre	general information
Sports	Start of a cross country race, very bottom view (Letterbox to 16:9)

Images

size	frame rate	standard	number of frames	image format
1280x720	60p	SMPTE 296M	1200	TIFF

Colour Space

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

Object Motion

type	speed
Regular Non-Rigid-Body 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
HD Video	Panasonic AJHDC27Fe

Camera Settings

captured size	frame rate	recorded on
1280x720	60p	HD Video

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HD-DVCPPro	YUV	4:1:1	6,7:1	8	100 Mbit/s

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
None					

TUM Multi Format Test Set

documentation for sequence

720p_soccer1



General Information

Content

genre	general information
Sports	Camera behind the goal following one attack

Images

size	frame rate	standard	number of frames	image format
1280x720	60p	SMPTE 296M	780	TIFF

Colour Space

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

Object Motion

type	speed
Non-Rigid-Body motion	medium

Camera Motion

type	speed
Boom	medium

Colours

main colour	saturated colours
	No

Structures

regular structures	details	contrast
Yes	high	high

Recording

Camera

type	camera model
HD Video	Panasonic AJHDC27Fe

Camera Settings

captured size	frame rate	recorded on
1280x720	60p	HD Video

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HD-DVCPPro	YUV	4:1:1	6,7:1	8	100 Mbit/s

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
None					

TUM Multi Format Test Set

documentation for sequence

720p_soccer2



General Information

Content

genre	general information
Sports	Camera following the game, quite close shot

Images

size	frame rate	standard	number of frames	image format
1280x720	60p	SMPTE 296M	660	TIFF

Colour Space

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

Object Motion

type	speed
Non-Rigid-Body motion	fast

Camera Motion

type	speed
Pan	medium

Colours

main colour	saturated colours
	No

Structures

regular structures	details	contrast
Yes	high	high

Recording

Camera

type	camera model
HD Video	Panasonic AJHDC27Fe

Camera Settings

captured size	frame rate	recorded on
1280x720	60p	HD Video

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HD-DVCPPro	YUV	4:1:1	6,7:1	8	100 Mbit/s

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
None					

TUM Multi Format Test Set

documentation for sequence

720p_soccer3



General Information

Content

genre	general information
Sports	Many players in the foreground struggling for the ball

Images

size	frame rate	standard	number of frames	image format
1280x720	60p	SMPTE 296M	600	TIFF

Colour Space

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

Object Motion

type	speed
Non-Rigid-Body motion	medium

Camera Motion

type	speed
Pan	medium

Colours

main colour	saturated colours
	No

Structures

regular structures	details	contrast
Yes	high	high

Recording

Camera

type	camera model
HD Video	Panasonic AJHDC27Fe

Camera Settings

captured size	frame rate	recorded on
1280x720	60p	HD Video

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HD-DVCPPro	YUV	4:1:1	6,7:1	8	100 Mbit/s

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
None					

TUM Multi Format Test Set

documentation for sequence

720p_soccer4



General Information

Content

genre	general information
Sports	Camera following the game, zoom in at the end

Images

size	frame rate	standard	number of frames	image format
1280x720	60p	SMPTE 296M	660	TIFF

Colour Space

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

Object Motion

type	speed
Non-Rigid-Body motion	fast

Camera Motion

type	speed
Pan, Zoom	medium

Colours

main colour	saturated colours
	No

Structures

regular structures	details	contrast
Yes	high	high

Recording

Camera

type	camera model
HD Video	Panasonic AJHDC27Fe

Camera Settings

captured size	frame rate	recorded on
1280x720	60p	HD Video

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HD-DVCPPro	YUV	4:1:1	6,7:1	8	100 Mbit/s

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
None					

TUM Multi Format Test Set

documentation for sequence

720p_soccer5



General Information

Content

genre	general information
Sports	Camera following two different players

Images

size	frame rate	standard	number of frames	image format
1280x720	60p	SMPTE 296M	600	TIFF

Colour Space

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

Object Motion

type	speed
Non-Rigid-Body motion	medium

Camera Motion

type	speed
Pan	medium

Colours

main colour	saturated colours
	No

Structures

regular structures	details	contrast
Yes	high	high

Recording

Camera

type	camera model
HD Video	Panasonic AJHDC27Fe

Camera Settings

captured size	frame rate	recorded on
1280x720	60p	HD Video

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HD-DVCPPro	YUV	4:1:1	6,7:1	8	100 Mbit/s

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
None					

TUM Multi Format Test Set

documentation for sequence

720p_soccer6



General Information

Content

genre	general information
Sports	Many players in the foreground struggling for the ball

Images

size	frame rate	standard	number of frames	image format
1280x720	60p	SMPTE 296M	600	TIFF

Colour Space

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

Object Motion

type	speed
Non-Rigid-Body motion	medium

Camera Motion

type	speed
Pan	medium

Colours

main colour	saturated colours
	No

Structures

regular structures	details	contrast
No	high	high

Recording

Camera

type	camera model
HD Video	Panasonic AJHDC27Fe

Camera Settings

captured size	frame rate	recorded on
1280x720	60p	HD Video

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HD-DVCPPro	YUV	4:1:1	6,7:1	8	100 Mbit/s

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
None					

TUM Multi Format Test Set

documentation for sequence

1080i_carving1



General Information

Content

genre	general information
Test shot	Inside a carving shop, tumbling camera

Images

size	frame rate	standard	number of frames	image format
1920x1080	50i	SMPTE 274M	550	TIFF

Colour Space

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

Object Motion

type	speed
No motion	

Camera Motion

type	speed
Rolling	fast

Colours

main colour	saturated colours
brown	No

Structures

regular structures	details	contrast
No	high	high

Recording

Camera

type	camera model
HD Video	HDCAM Sony HDW-F900

Camera Settings

captured size	frame rate	recorded on
1920x1080	50i	HD Video

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HDCAM	YUV	3:1:1	4,424:1	8	140 Mbit/s

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
None					

TUM Multi Format Test Set

documentation for sequence

1080i_carving2



General Information

Content

genre **Test shot** general information **Pan over carved crosses**

Images

size	frame rate	standard	number of frames	image format
1920x1080	50i	SMPTE 274M	375	TIFF

Colour Space

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

Object Motion

type **No motion** speed

Camera Motion

type **Pan** speed **medium**

Colours

main colour **brown** saturated colours **No**

Structures

regular structures **No** details **high** contrast **medium**

Recording

Camera

type **HD Video** camera model **HDCAM Sony HDW-F900**

Camera Settings

captured size **1920x1080** frame rate **50i** recorded on **HD Video**

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HDCAM	YUV	3:1:1	4,424:1	8	140 Mbit/s

Post Production

Camera

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

Additional Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
None					

TUM Multi Format Test Set

documentation for sequence

1080i_carving3



General Information

Content

genre **Test shot** general information **Roll over carved crosses**

Images

size	frame rate	standard	number of frames	image format
1920x1080	50i	SMPTE 274M	300	TIFF

Colour Space

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

Object Motion

type **No motion** speed

Camera Motion

type **Rolling** speed **medium**

Colours

main colour **brown** saturated colours **No**

Structures

regular structures **No** details **high** contrast **medium**

Recording

Camera

type **HD Video** camera model **HDCAM Sony HDW-F900**

Camera Settings

captured size **1920x1080** frame rate **50i** recorded on **HD Video**

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HDCAM	YUV	3:1:1	4,424:1	8	140 Mbit/s

Post Production

Camera

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

Additional Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
None					

TUM Multi Format Test Set

documentation for sequence

1080i_carving4



General Information

Content

genre	general information
Test shot	Focus change in a shot containing many carved figures

Images

size	frame rate	standard	number of frames	image format
1920x1080	50i	SMPTE 274M	329	TIFF

Colour Space

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

Object Motion

type	speed
No motion	

Camera Motion

type	speed
No motion	

Colours

main colour	saturated colours
brown	No

Structures

regular structures	details	contrast
No	high	medium

Recording

Camera

type	camera model
HD Video	HDCAM Sony HDW-F900

Camera Settings

captured size	frame rate	recorded on
1920x1080	50i	HD Video

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HDCAM	YUV	3:1:1	4,424:1	8	140 Mbit/s

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
None					

TUM Multi Format Test Set

documentation for sequence

1080i_cc1



General Information

Content

genre	general information
Sports	Start of a cross country race

Images

size	frame rate	standard	number of frames	image format
1920x1080	50i	SMPTE 274M	250	TIFF

Colour Space

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

Object Motion

type	speed
Regular Non-Rigid-Body 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
HD Video	HDCAM Sony HDW-F900

Camera Settings

captured size	frame rate	recorded on
1920x1080	50i	HD Video

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HDCAM	YUV	3:1:1	4,424:1	8	140 Mbit/s

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
None					

TUM Multi Format Test Set

documentation for sequence

1080i_cc2



General Information

Content

genre	general information
Sports	Crowd of people doing cross country skiing

Images

size	frame rate	standard	number of frames	image format
1920x1080	50i	SMPTE 274M	300	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
No motion	

Colours

main colour	saturated colours
	No

Structures

regular structures	details	contrast
No	high	high

Recording

Camera

type	camera model
HD Video	HDCAM Sony HDW-F900

Camera Settings

captured size	frame rate	recorded on
1920x1080	50i	HD Video

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HDCAM	YUV	3:1:1	4,424:1	8	140 Mbit/s

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
None					

TUM Multi Format Test Set

documentation for sequence

1080i_cc3



General Information

Content

genre	general information
Sports	Crowd of people doing cross country skiing, more close shot than 1080i_cc2

Images

size	frame rate	standard	number of frames	image format
1920x1080	50i	SMPTE 274M	275	TIFF

Colour Space

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

Object Motion

type	speed
Chaotic Non-Rigid-Body motion	medium

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
HD Video	HDCAM Sony HDW-F900

Camera Settings

captured size	frame rate	recorded on
1920x1080	50i	HD Video

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HDCAM	YUV	3:1:1	4,424:1	8	140 Mbit/s

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
None					

TUM Multi Format Test Set

documentation for sequence

1080i_cc4



General Information

Content

genre	general information
Sports	Cross country skiing filmed out of a car following the track

Images

size	frame rate	standard	number of frames	image format
1920x1080	50i	SMPTE 274M	300	TIFF

Colour Space

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

Object Motion

type	speed
Regular Non-Rigid-Body motion	fast

Camera Motion

type	speed
Dolly	fast

Colours

main colour	saturated colours
	No

Structures

regular structures	details	contrast
No	medium	very high

Recording

Camera

type	camera model
HD Video	HDCAM Sony HDW-F900

Camera Settings

captured size	frame rate	recorded on
1920x1080	50i	HD Video

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HDCAM	YUV	3:1:1	4,424:1	8	140 Mbit/s

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
None					

TUM Multi Format Test Set

documentation for sequence

1080i_forest1



General Information

Content

genre **Test shot** general information **Forest in winter filmed from a car, sun comes out through the trees**

Images

size	frame rate	standard	number of frames	image format
1920x1080	50i	SMPTE 274M	349	TIFF

Colour Space

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

Object Motion

type **No motion** speed

Camera Motion

type **Dolly** speed **fast**

Colours

main colour saturated colours **No**

Structures

regular structures **No** details **high** contrast **very high**

Recording

Camera

type **HD Video** camera model **HDCAM Sony HDW-F900**

Camera Settings

captured size **1920x1080** frame rate **50i** recorded on **HD Video**

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HDCAM	YUV	3:1:1	4,424:1	8	140 Mbit/s

Post Production

Camera

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

Additional Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
None					

TUM Multi Format Test Set

documentation for sequence

1080i_soccer1



General Information

Content									
genre		general information							
Sports		Ball on a grass yard, camera goes up, as the player moves, close shot at the beginning, more wide shot towards the end							
Images					Colour Space				
size	frame rate	standard	number of frames	image format	type of colour space	bit depth	black	white	
1920x1080	50i	SMPTE 274M	475	TIFF	RGB	8	16	235	
Object Motion				Camera Motion					
type			speed		type			speed	
Non-Rigid-Body motion			medium		Pan, Tilt			medium	
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
HD Video		HDCAM Sony HDW-F900		1920x1080	50i	HD Video
Compression						
standard	colour space	colour subsampling	compression ratio	bit depth	data rate	
HDCAM	YUV	3:1:1	4,424:1	8	140 Mbit/s	

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
None					

TUM Multi Format Test Set

documentation for sequence

1080i_soccer2



General Information

Content

genre	general information
Sports	Camera folling the ball at a cross taken by the goalkeeper

Images

size	frame rate	standard	number of frames	image format
1920x1080	50i	SMPTE 274M	375	TIFF

Colour Space

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

Object Motion

type	speed
Non-Rigid-Body motion	medium

Camera Motion

type	speed
Pan, Tilt	medium

Colours

main colour	saturated colours
	No

Structures

regular structures	details	contrast
No	high	high

Recording

Camera

type	camera model
HD Video	HDCAM Sony HDW-F900

Camera Settings

captured size	frame rate	recorded on
1920x1080	50i	HD Video

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HDCAM	YUV	3:1:1	4,424:1	8	140 Mbit/s

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
None					

TUM Multi Format Test Set

documentation for sequence

1080i_soccer3



General Information

Content

genre **Sports** general information **Camera behind the goal following one attack**

Images					Colour Space			
size	frame rate	standard	number of frames	image format	type of colour space	bit depth	black	white
1920x1080	50i	SMPTE 274M	325	TIFF	RGB	8	16	235

Object Motion		Camera Motion	
type	speed	type	speed
Non-Rigid-Body motion	medium	Boom	fast

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

Recording

Camera		Camera Settings		
type	camera model	captured size	frame rate	recorded on
HD Video	HDCAM Sony HDW-F900	1920x1080	50i	HD Video

Compression						
standard	colour space	colour subsampling	compression ratio	bit depth	data rate	
HDCAM	YUV	3:1:1	4,424:1	8	140 Mbit/s	

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
None					

TUM Multi Format Test Set

documentation for sequence

1080i_soccer4



General Information

Content

genre	general information
Sports	Tilt over grass yard to some players

Images

size	frame rate	standard	number of frames	image format
1920x1080	50i	SMPTE 274M	400	TIFF

Colour Space

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

Object Motion

type	speed
Non-Rigid-Body motion	medium

Camera Motion

type	speed
Tilt	medium

Colours

main colour	saturated colours
	No

Structures

regular structures	details	contrast
Yes	high	high

Recording

Camera

type	camera model
HD Video	HDCAM Sony HDW-F900

Camera Settings

captured size	frame rate	recorded on
1920x1080	50i	HD Video

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HDCAM	YUV	3:1:1	4,424:1	8	140 Mbit/s

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
None					

TUM Multi Format Test Set

documentation for sequence

1080i_tum1



General Information

Content

genre	general information
Test shot	Pan and zoom in over some buildings of Munich university. Contains many fine details and regular structures

Images

size	frame rate	standard	number of frames	image format
1920x1080	50i	SMPTE 274M	900	TIFF

Colour Space

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

Object Motion

type	speed
No motion	

Camera Motion

type	speed
Pan, Zoom	slow

Colours

main colour	saturated colours
grey	No

Structures

regular structures	details	contrast
Yes	high	low

Recording

Camera

type	camera model
HD Video	HDCAM Sony HDW-F900

Camera Settings

captured size	frame rate	recorded on
1920x1080	50i	HD Video

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HDCAM	YUV	3:1:1	4,424:1	8	140 Mbit/s

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
None					

TUM Multi Format Test Set

documentation for sequence

1080i_tum2



General Information

Content

genre general information
Test shot Similar to 1080i_tum1, but zoom out and faster.

Images

size	frame rate	standard	number of frames	image format
1920x1080	50i	SMPTE 274M	350	TIFF

Colour Space

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

Object Motion

type	speed
No motion	

Camera Motion

type	speed
Pan, Zoom	medium

Colours

main colour	saturated colours
grey	No

Structures

regular structures	details	contrast
Yes	high	low

Recording

Camera

type	camera model
HD Video	HDCAM Sony HDW-F900

Camera Settings

captured size	frame rate	recorded on
1920x1080	50i	HD Video

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HDCAM	YUV	3:1:1	4,424:1	8	140 Mbit/s

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
None					

TUM Multi Format Test Set

documentation for sequence

1080i_tum3



General Information

Content

genre general information
Test shot **Similar to 1080i_tum1**

Images

size	frame rate	standard	number of frames	image format
1920x1080	50i	SMPTE 274M	500	TIFF

Colour Space

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

Object Motion

type speed
No motion

Camera Motion

type speed
Pan, Zoom **medium**

Colours

main colour saturated colours
grey **No**

Structures

regular structures details contrast
Yes **high** **low**

Recording

Camera

type camera model
HD Video **HDCAM Sony HDW-F900**

Camera Settings

captured size frame rate recorded on
1920x1080 **50i** **HD Video**

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HDCAM	YUV	3:1:1	4,424:1	8	140 Mbit/s

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
None					

TUM Multi Format Test Set

documentation for sequence

1080p_carving1



General Information

Content									
genre		general information							
Test shot		Tumbling camera in a carving shop							
Images					Colour Space				
size	frame rate	standard	number of frames	image format	type of colour space	bit depth	black	white	
1920x1080	25p	SMPTE 274M	425	TIFF	RGB	8	16	235	
Object Motion					Camera Motion				
type			speed		type			speed	
No motion					Rolling			medium	
Colours			Structures						
main colour		saturated colours		regular structures		details		contrast	
brown		No		No		high		medium	

Recording

Camera		Camera Settings				
type		camera model		captured size	frame rate	recorded on
HD Video		Panasonic AJHDC27Fe		1280x720	25p	HD Video
Compression						
standard	colour space	colour subsampling	compression ratio	bit depth	data rate	
HD-DVCPPro	YUV	4:1:1	6,7:1	8	100 Mbit/s	

Post Production

Camera					
upsampling filter		manufacturer of upsampling box		colour correction	
unknown		Panasonic AJHDC27Fe		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_carving2



General Information

Content

genre **general information**
Test shot **Zoom out from very detailed shot to wide shot inside a carving shop**

Images

size	frame rate	standard	number of frames	image format
1920x1080	25p	SMPTE 274M	325	TIFF

Colour Space

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

Object Motion

type	speed
Non-Rigid-Body motion	medium

Camera Motion

type	speed
Zoom	slow

Colours

main colour	saturated colours
brown	No

Structures

regular structures	details	contrast
No	high	medium

Recording

Camera

type	camera model
HD Video	Panasonic AJHDC27Fe

Camera Settings

captured size	frame rate	recorded on
1280x720	25p	HD Video

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HD-DVCPPro	YUV	4:1:1	6,7:1	8	100 Mbit/s

Post Production

Camera

upsampling filter	manufacturer of upsampling box	colour correction
unknown	Panasonic AJHDC27Fe	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_carving3



General Information

Content

genre general information
Test shot Similar to 1080p_carving2 but zoom in

Images

size	frame rate	standard	number of frames	image format
1920x1080	25p	SMPTE 274M	375	TIFF

Colour Space

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

Object Motion

type	speed
Non-Rigid-Body motion	medium

Camera Motion

type	speed
Zoom	slow

Colours

main colour	saturated colours
brown	No

Structures

regular structures	details	contrast
No	high	medium

Recording

Camera

type	camera model
HD Video	Panasonic AJHDC27Fe

Camera Settings

captured size	frame rate	recorded on
1280x720	25p	HD Video

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HD-DVCPPro	YUV	4:1:1	6,7:1	8	100 Mbit/s

Post Production

Camera

upsampling filter	manufacturer of upsampling box	colour correction
unknown	Panasonic AJHDC27Fe	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_carving4



General Information

Content

genre	general information
Test shot	Focus change in a shot containing many carved figures

Images

size	frame rate	standard	number of frames	image format
1920x1080	25p	SMPTE 274M	300	TIFF

Colour Space

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

Object Motion

type	speed
No motion	

Camera Motion

type	speed
No motion	

Colours

main colour	saturated colours
brown	No

Structures

regular structures	details	contrast
No	high	medium

Recording

Camera

type	camera model
HD Video	Panasonic AJHDC27Fe

Camera Settings

captured size	frame rate	recorded on
1280x720	25p	HD Video

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HD-DVCPPro	YUV	4:1:1	6,7:1	8	100 Mbit/s

Post Production

Camera

upsampling filter	manufacturer of upsampling box	colour correction
unknown	Panasonic AJHDC27Fe	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_akt1



General Information

Content

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

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
A lot of small motion	medium

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_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_okt4



General Information

Content

genre
Film

general information
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

documentation for sequence

1080p_ski1



General Information

Content

genre	general information
Sports	Camera on ski following a person skiing

Images

size	frame rate	standard	number of frames	image format
1920x1080	25p	SMPTE 274M	525	TIFF

Colour Space

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

Object Motion

type	speed
Non-Rigid-Body motion	fast

Camera Motion

type	speed
Handheld	fast

Colours

main colour	saturated colours
	No

Structures

regular structures	details	contrast
No	medium	very high

Recording

Camera

type	camera model
HD Video	Panasonic AJHDC27Fe

Camera Settings

captured size	frame rate	recorded on
1280x720	25p	HD Video

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HD-DVCPPro	YUV	4:1:1	6,7:1	8	100 Mbit/s

Post Production

Camera

upsampling filter	manufacturer of upsampling box	colour correction
unknown	Panasonic AJHDC27Fe	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_ski2



General Information

Content

genre	general information
Sports	Camera on ski following a person skiing

Images

size	frame rate	standard	number of frames	image format
1920x1080	25p	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	fast

Camera Motion

type	speed
Handheld	fast

Colours

main colour	saturated colours
	No

Structures

regular structures	details	contrast
No	medium	very high

Recording

Camera

type	camera model
HD Video	Panasonic AJHDC27Fe

Camera Settings

captured size	frame rate	recorded on
1280x720	25p	HD Video

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HD-DVCPPro	YUV	4:1:1	6,7:1	8	100 Mbit/s

Post Production

Camera

upsampling filter	manufacturer of upsampling box	colour correction
unknown	Panasonic AJHDC27Fe	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_ski3



General Information

Content

genre	general information
Sports	Camera on ski following a person skiing

Images

size	frame rate	standard	number of frames	image format
1920x1080	25p	SMPTE 274M	525	TIFF

Colour Space

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

Object Motion

type	speed
Non-Rigid-Body motion	fast

Camera Motion

type	speed
Handheld	fast

Colours

main colour	saturated colours
	No

Structures

regular structures	details	contrast
No	high	very high

Recording

Camera

type	camera model
HD Video	Panasonic AJHDC27Fe

Camera Settings

captured size	frame rate	recorded on
1280x720	25p	HD Video

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HD-DVCPPro	YUV	4:1:1	6,7:1	8	100 Mbit/s

Post Production

Camera

upsampling filter	manufacturer of upsampling box	colour correction
unknown	Panasonic AJHDC27Fe	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_ski4



General Information

Content

genre	general information
Sports	Camera on ski held very low to the ground

Images

size	frame rate	standard	number of frames	image format
1920x1080	25p	SMPTE 274M	375	TIFF

Colour Space

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

Object Motion

type	speed
Non-Rigid-Body motion	fast

Camera Motion

type	speed
Handheld	fast

Colours

main colour	saturated colours
	No

Structures

regular structures	details	contrast
No	high	very high

Recording

Camera

type	camera model
HD Video	Panasonic AJHDC27Fe

Camera Settings

captured size	frame rate	recorded on
1280x720	25p	HD Video

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HD-DVCPPro	YUV	4:1:1	6,7:1	8	100 Mbit/s

Post Production

Camera

upsampling filter	manufacturer of upsampling box	colour correction
unknown	Panasonic AJHDC27Fe	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_ski5



General Information

Content

genre	general information
Sports	Camera on ski following a person skiing

Images

size	frame rate	standard	number of frames	image format
1920x1080	25p	SMPTE 274M	350	TIFF

Colour Space

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

Object Motion

type	speed
Non-Rigid-Body motion	fast

Camera Motion

type	speed
Handheld	fast

Colours

main colour	saturated colours
	No

Structures

regular structures	details	contrast
No	high	very high

Recording

Camera

type	camera model
HD Video	Panasonic AJHDC27Fe

Camera Settings

captured size	frame rate	recorded on
1280x720	25p	HD Video

Compression

standard	colour space	colour subsampling	compression ratio	bit depth	data rate
HD-DVCPPro	YUV	4:1:1	6,7:1	8	100 Mbit/s

Post Production

Camera

upsampling filter	manufacturer of upsampling box	colour correction
unknown	Panasonic AJHDC27Fe	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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(2011) TUM Multi Format Test Set. [Online]. Available:
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