

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

size	frame rate	standard	number of frames	image format
1920x1080	25p	SMPTE 274M	425	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	medium

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_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_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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