

# EXPERIMENT ON POLYPHASE SUBSAMPLED SEQUENCE CODING

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**TNO** innovation  
for life

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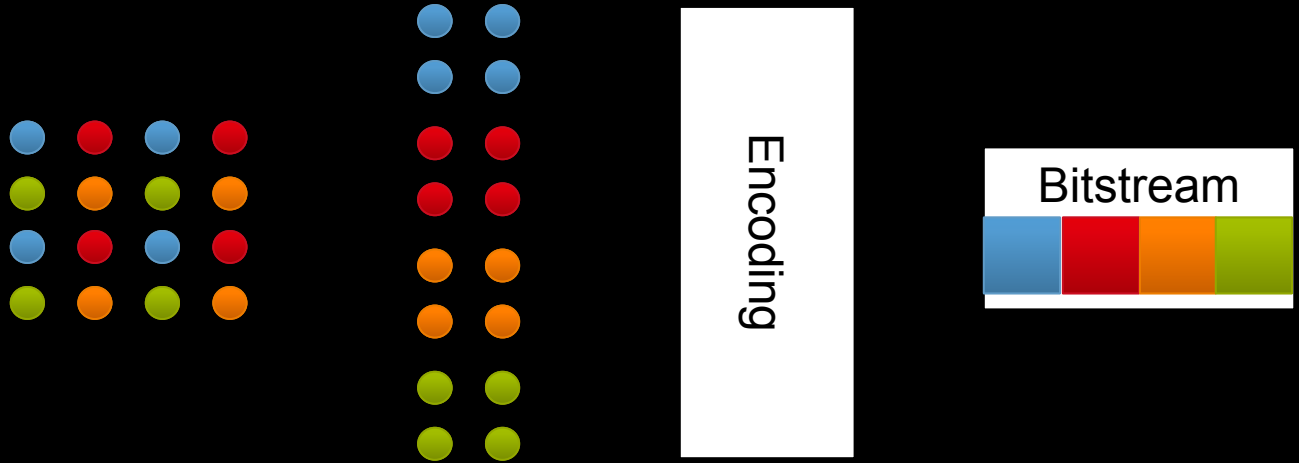
# OUTLINE

1. R

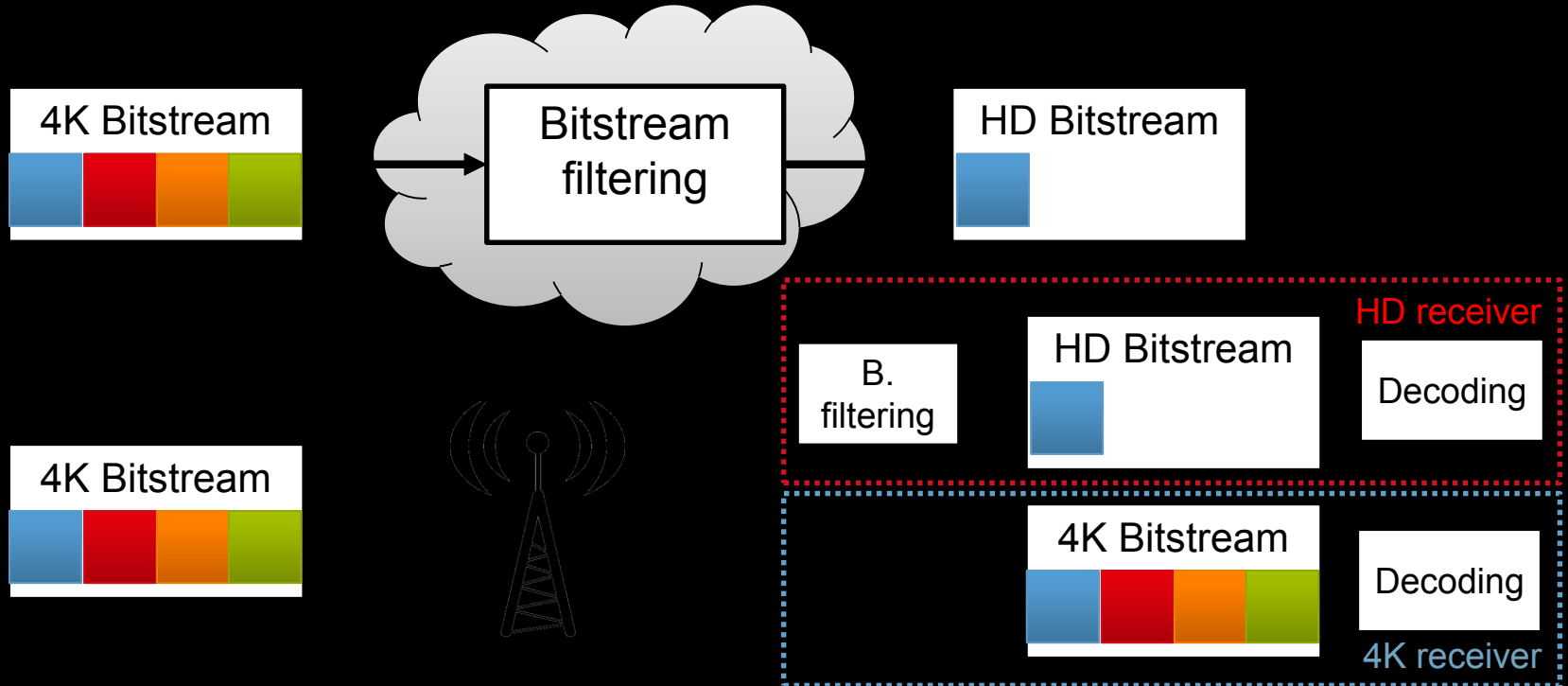
2. T

3. P

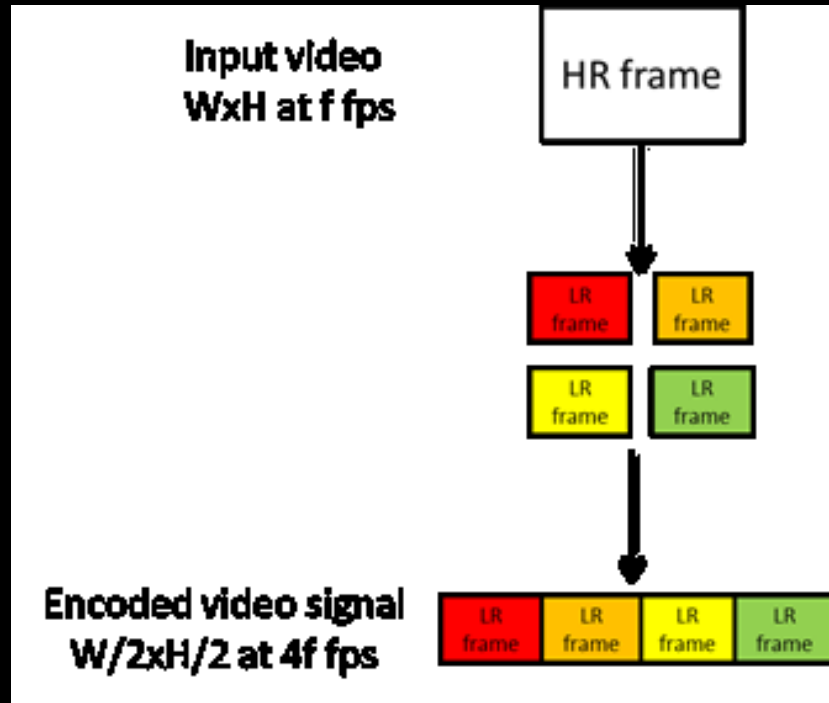
# POLYPHASE DECOMPOSITION TECHNIQUE



# POLYPHASE DECOMPOSITION TECHNIQUE



# TEMPORAL MULTIPLEXING OF RESOLUTION COMPONENTS EXPERIMENT



encoder

# TEMPORAL MULTIPLEXING OF RESOLUTION COMPONENTS EXPERIMENT

A

- JVET CTC sequences



B

- JVET CTC sequences
- Downsampled by half (bicubic)



C

- JVET CTC sequences
- Temporal multiplexing of resolution components



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# TEMPORAL MULTIPLEXING OF RESOLUTION COMPONENTS EXPERIMENT

1

2

3

4

5

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# TEMPORAL MULTIPLEXING OF RESOLUTION COMPONENTS EXPERIMENT

1

2

3

4

5

6

7

8



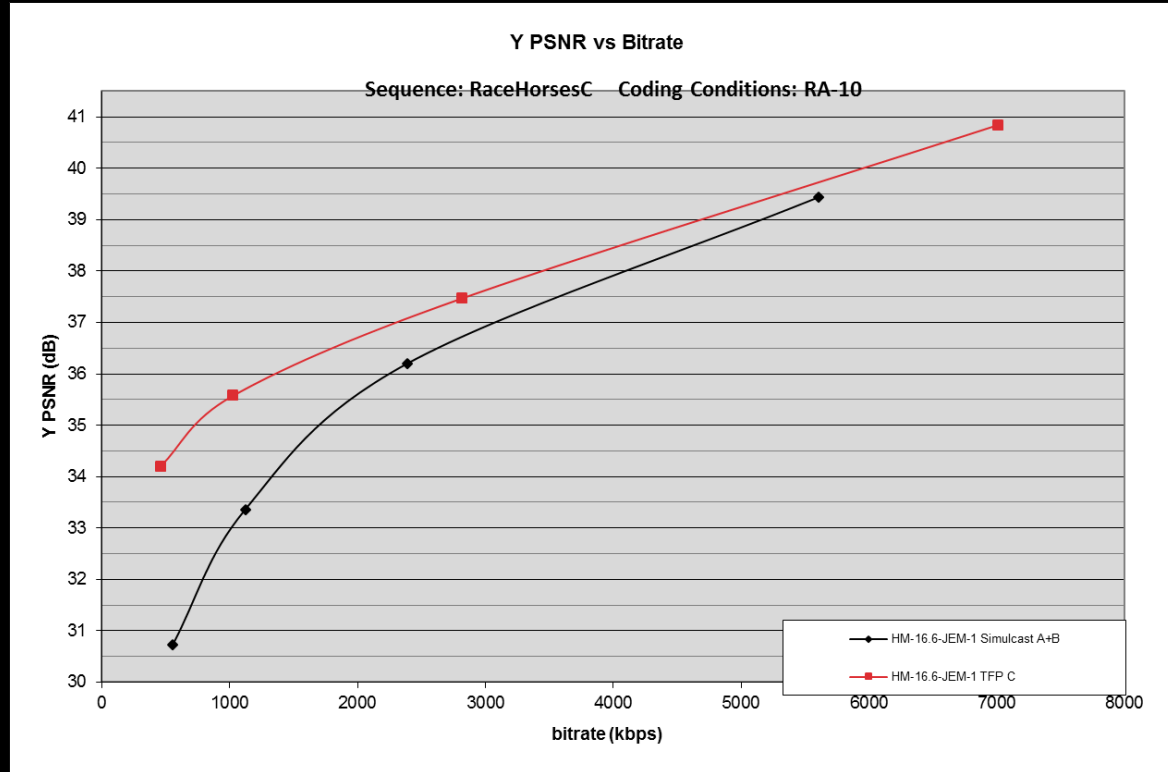
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## PARTIAL RESULTS

# PARTIAL RESULTS

14,69%	33,16%	80,77%	15,32%	38,84%	100,08%
46,18%	14,82%	29,73%	48,16%	15,85%	31,10%
121,93%	69,29%	89,25%	115,46%	76,87%	96,47%
-33,91%	-17,37%	-22,24%	-32,84%	-14,30%	-19,90%
		8,72%			12,43%
293,55%	160,36%	151,86%	262,85%	162,56%	152,36%
122,24%	76,43%	85,31%	129,15%	85,87%	92,78%
-5,71%			-3,52%	4,77%	5,58%

# PARTIAL RESULTS



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# PROPOSAL FOR AN EE

1

2

3

4

5

6

7