Qualconn

JUDD HEAPE

VP, Product Management, Qualcomm Technologies, Inc.



MESMERIZING IN A BILLION SHADES











200 MP

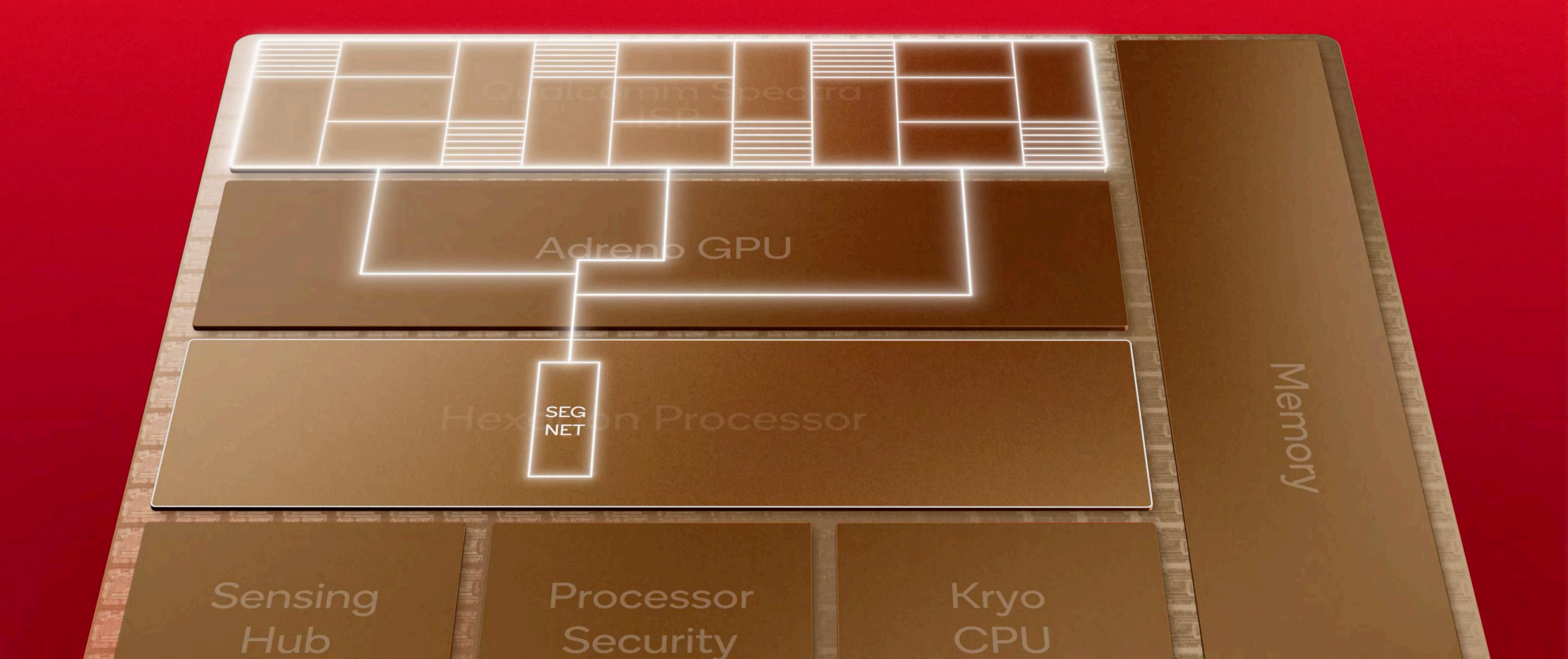
smartphone cameras

image sensors

1INCH 8KHDR

video capture

New Cognitive ISP



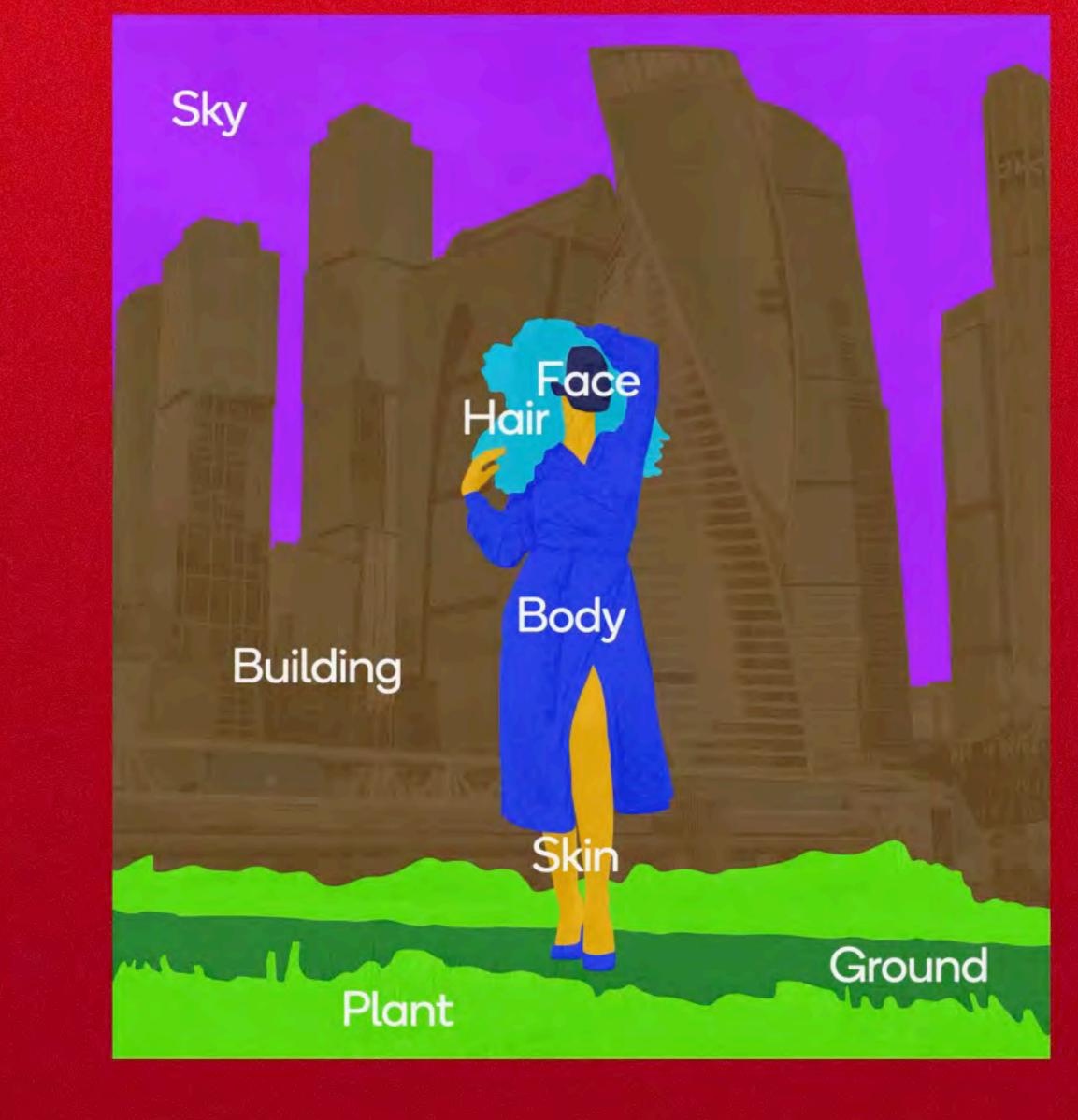
TRADITIONAL

Semantic Segmentation

INPUT



OUTPUT



SEMANTIC SEGMENTATION



INPUT



SEGMENTATION



OUTPUT



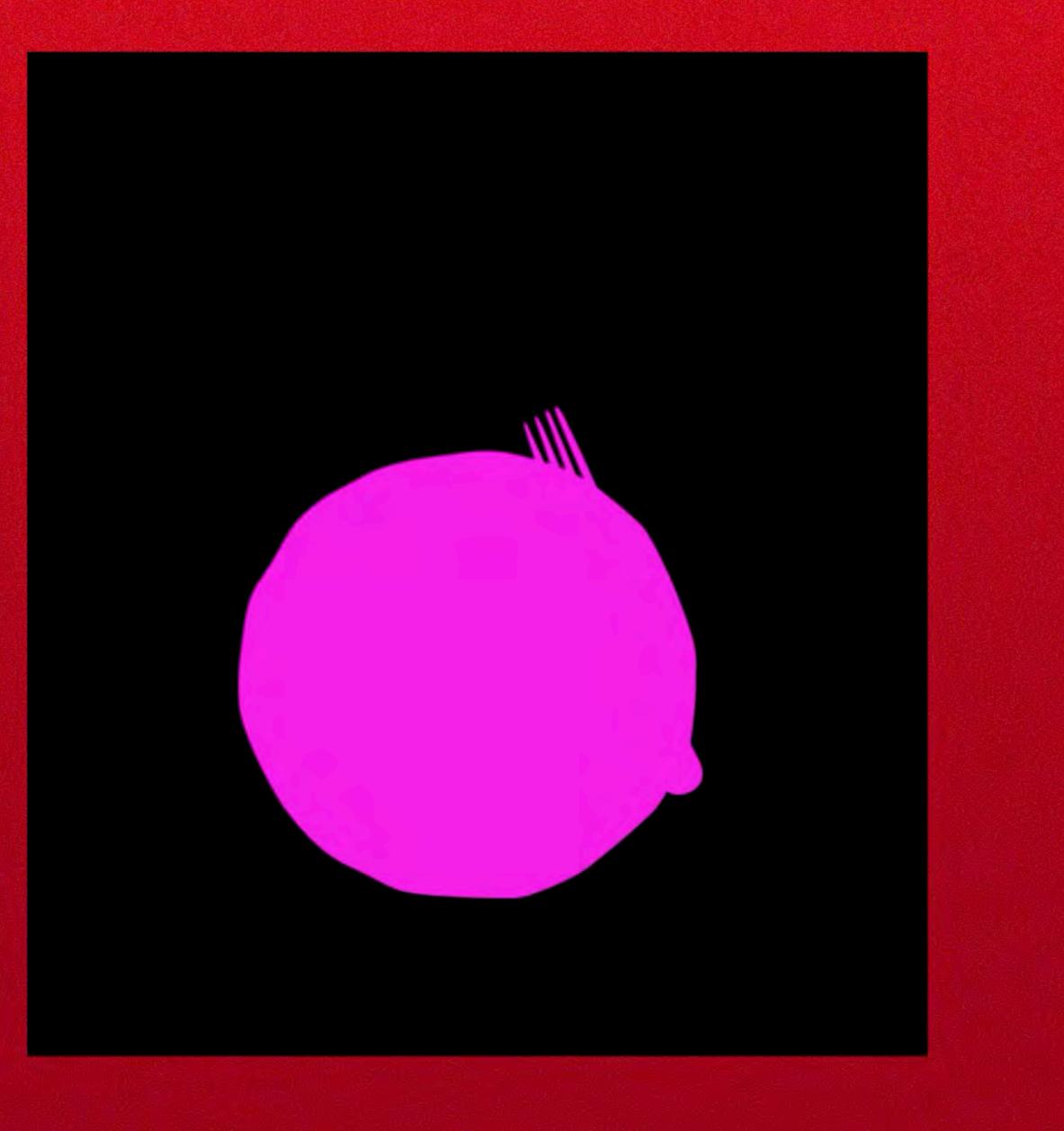


INPUT





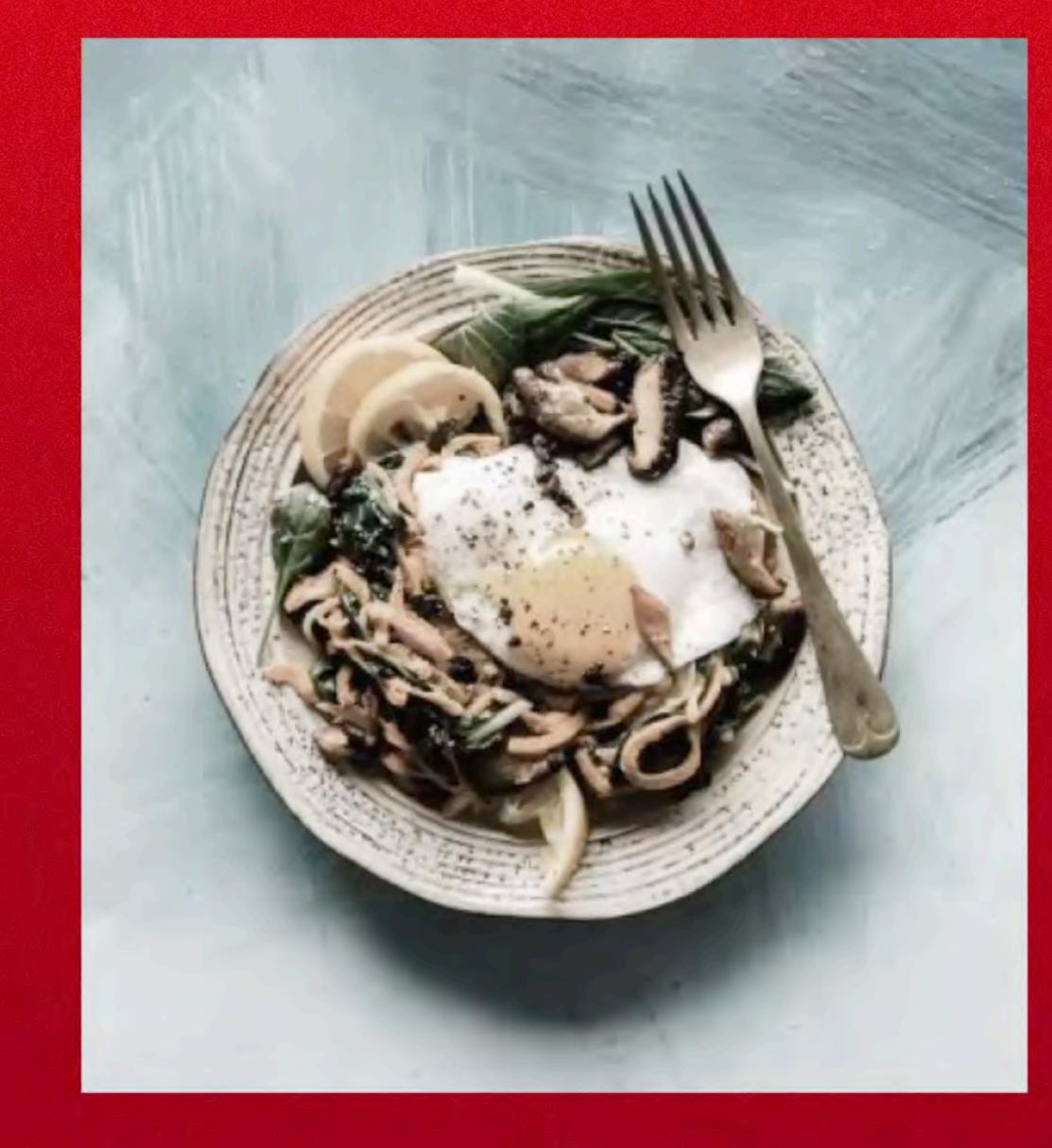
SEGMENTATION



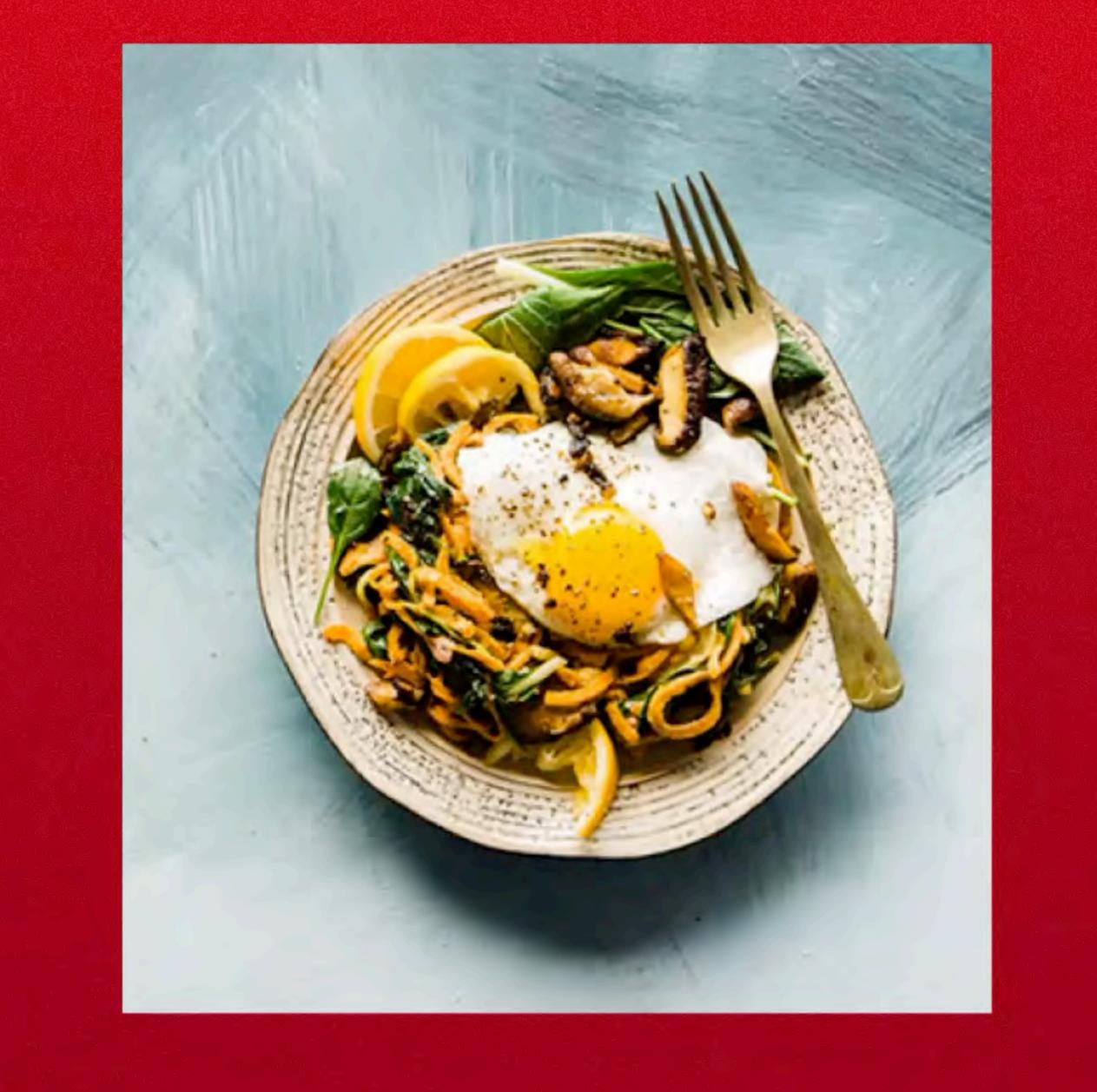
SEMANTIC SEGMENTATION



BEFORE



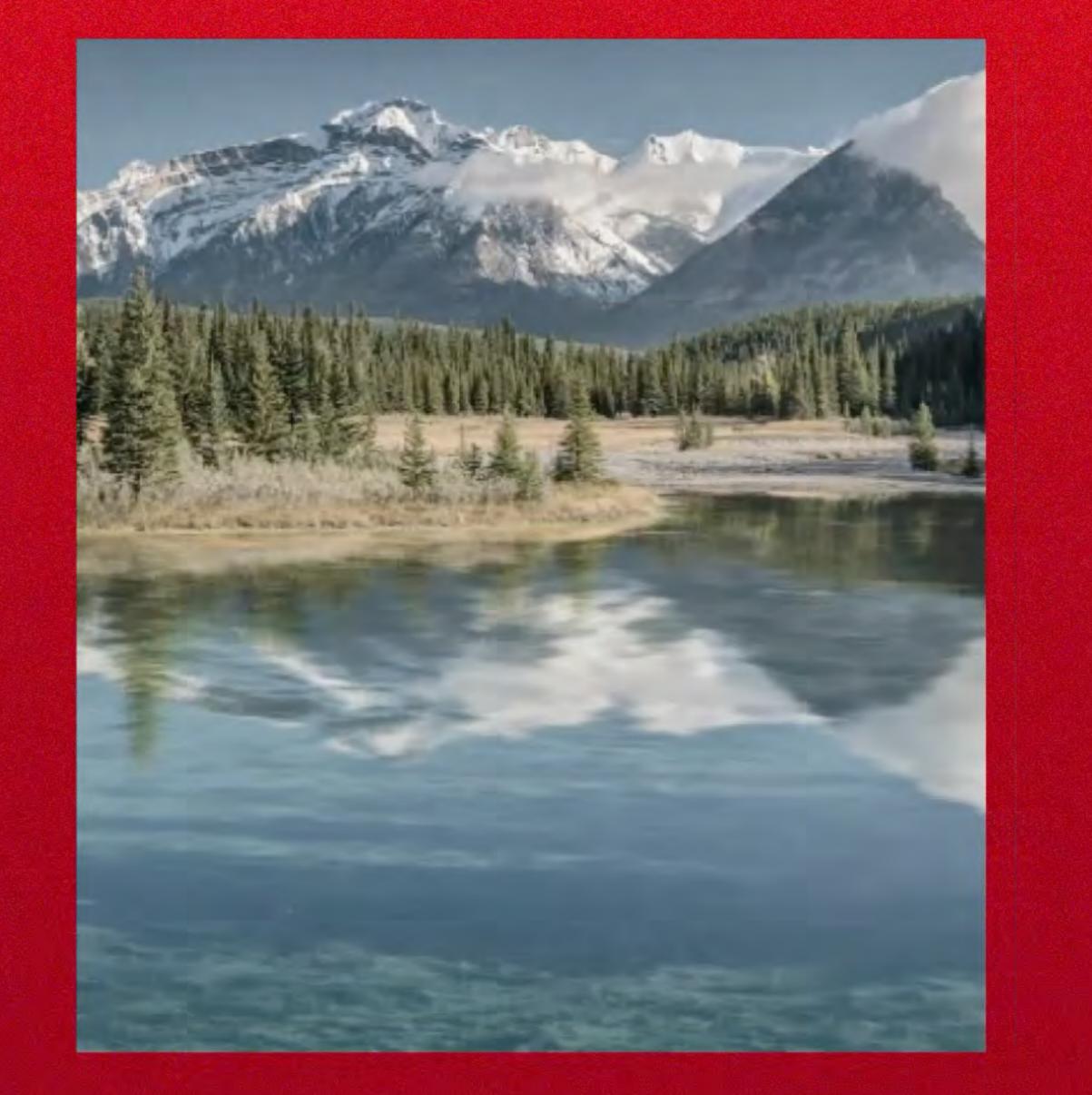
AFTER



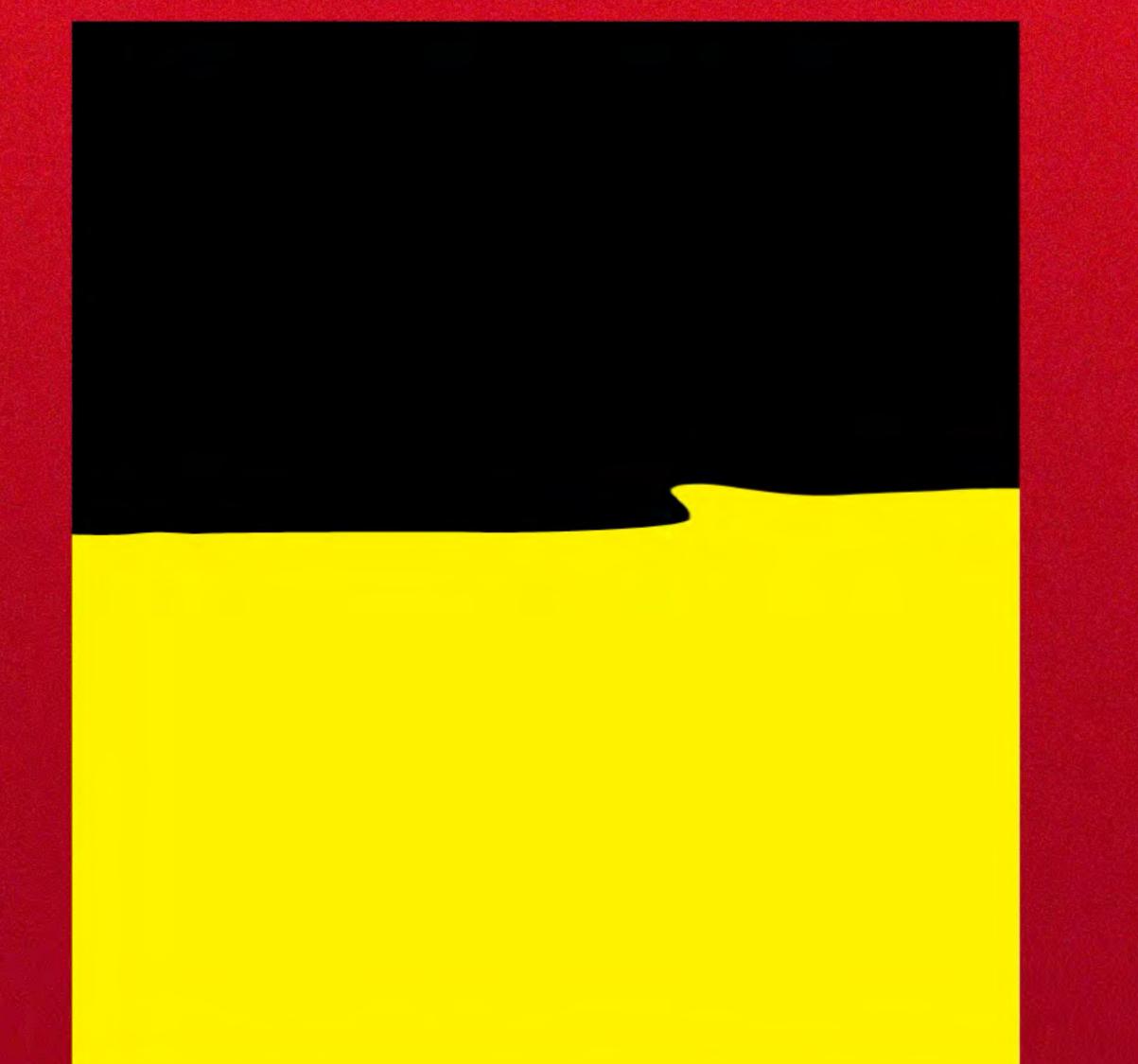


INPUT





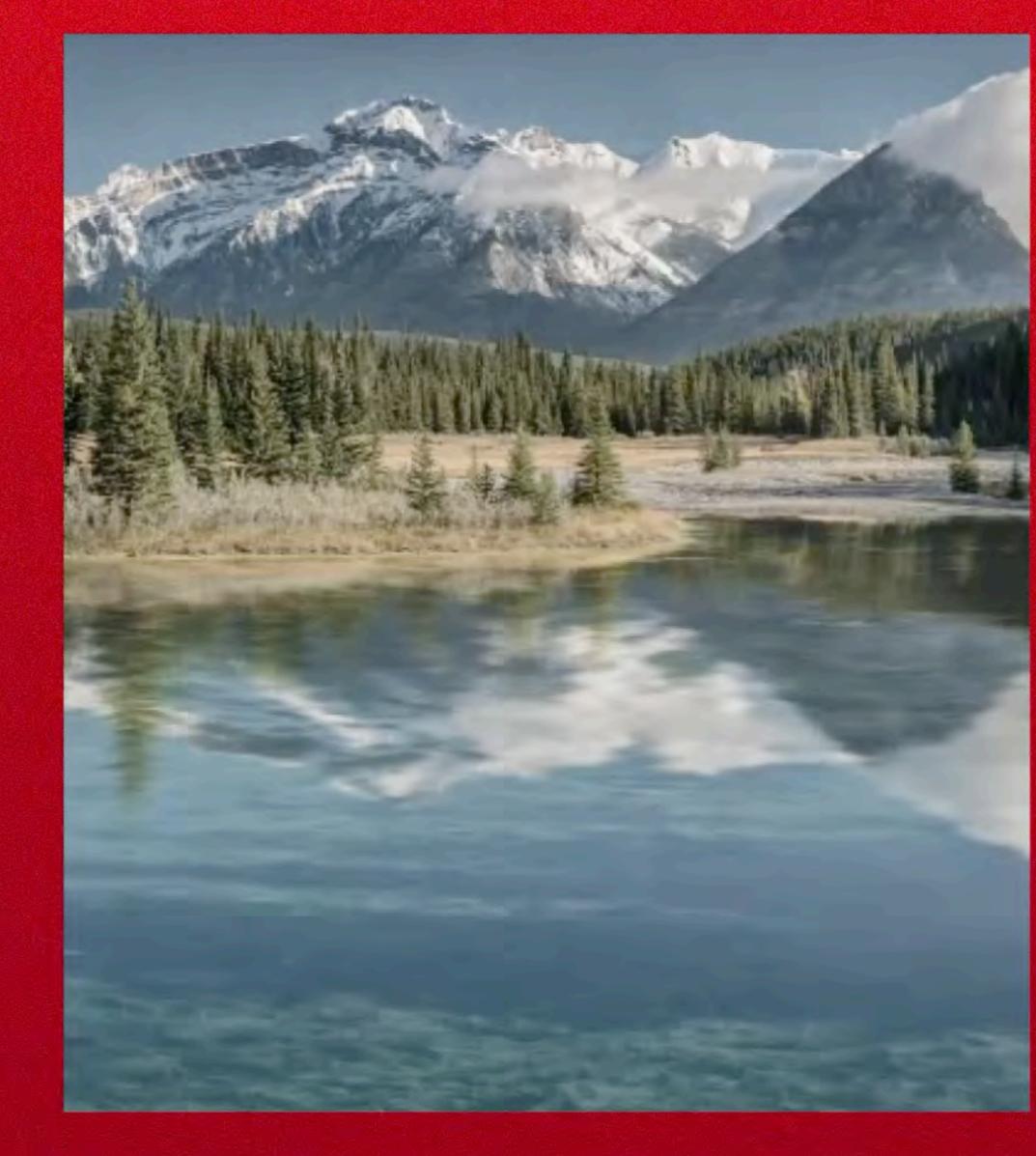
SEGMENTATION



SEMANTIC SEGMENTATION



BEFORE



AFTER



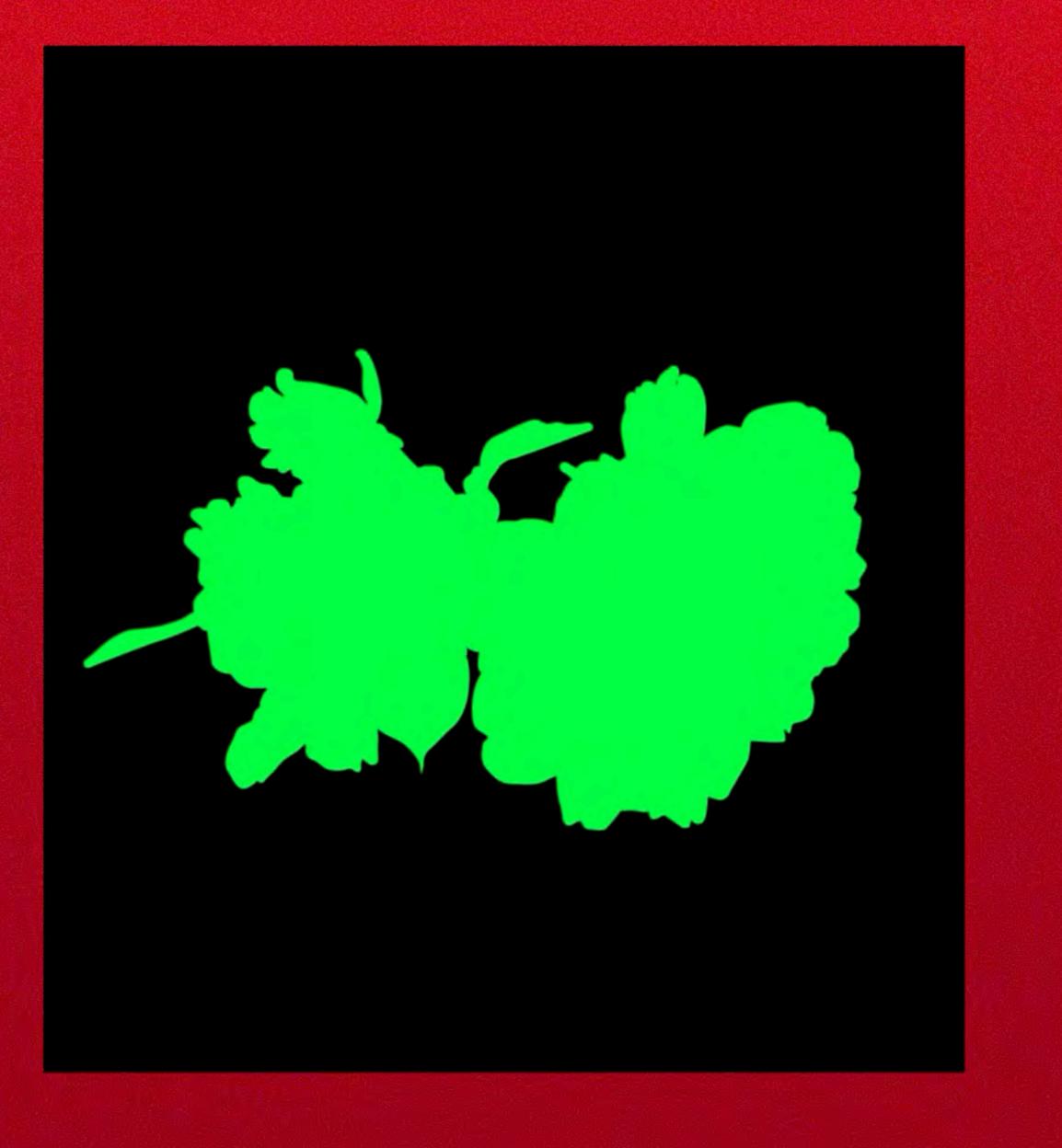


INPUT





SEGMENTATION



SEMANTIC SEGMENTATION



BEFORE



AFTER

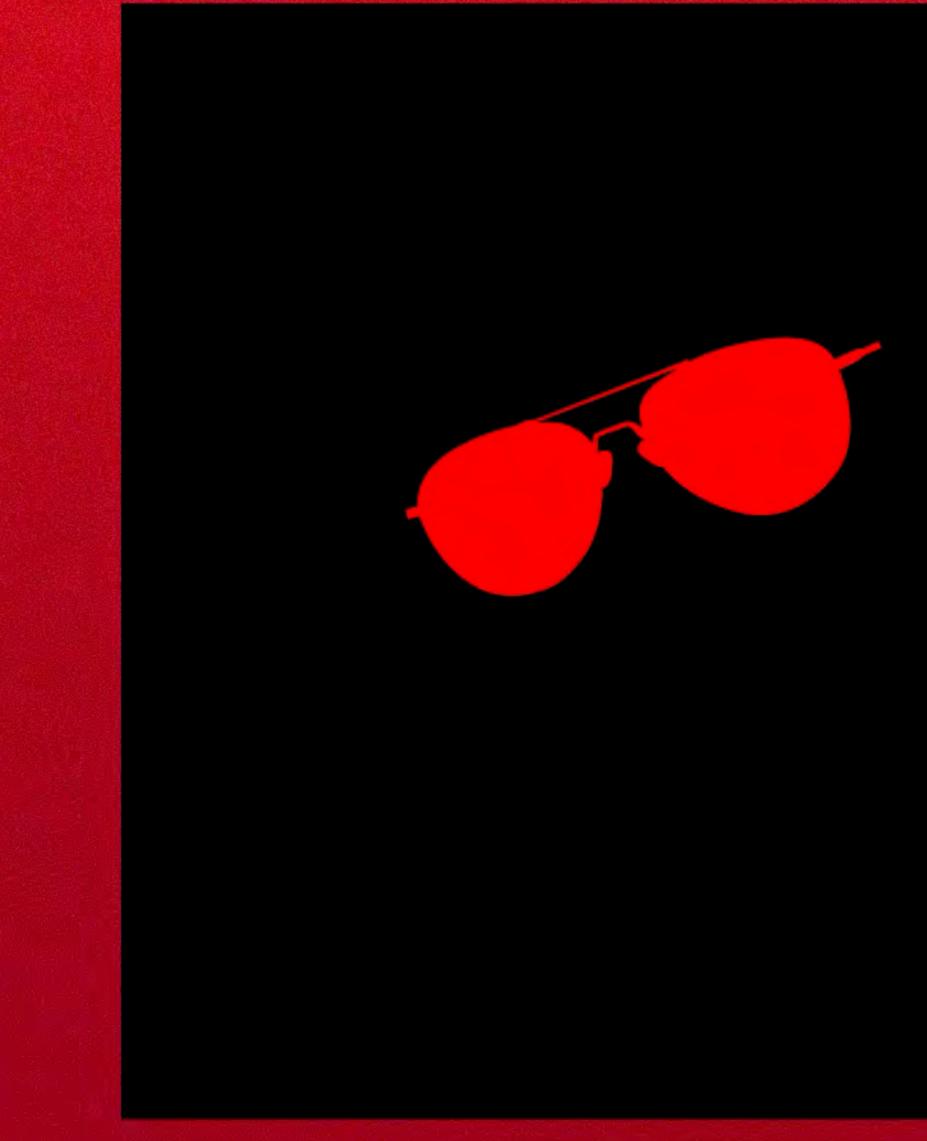




INPUT



SEGMENTATION



SEMANTIC SEGMENTATION



BEFORE



AFTER







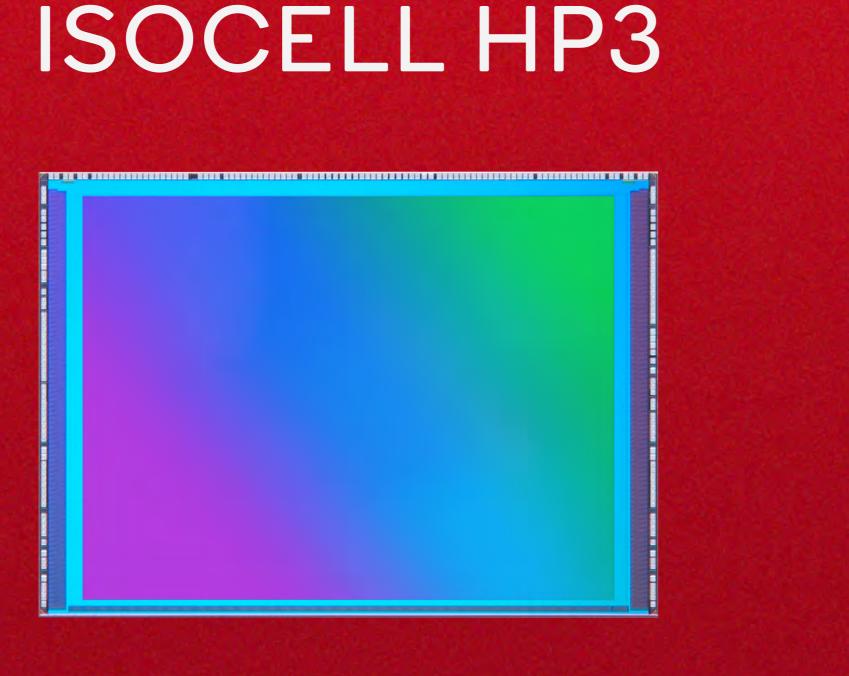








SAINSUNG

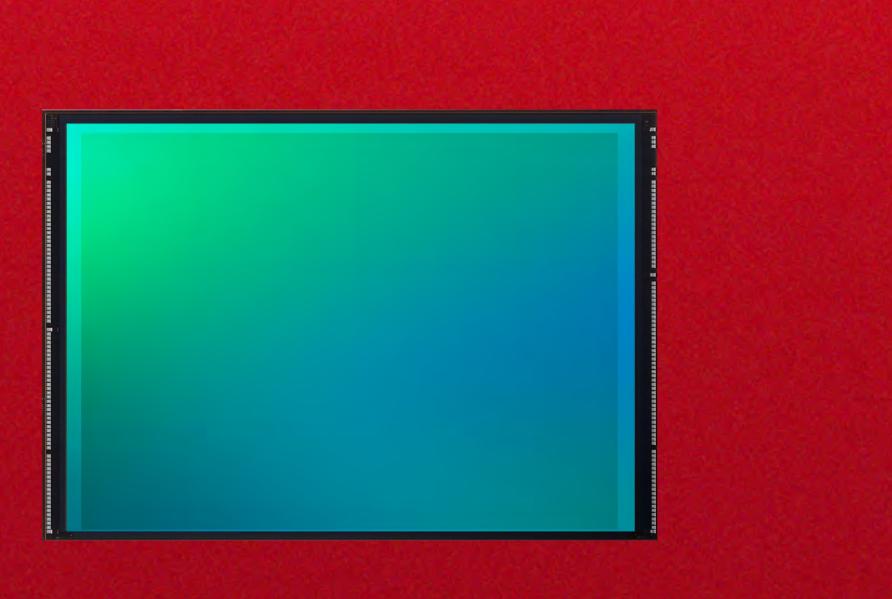


200MP image sensor optimized for Snapdragon

200MP image







Quad exposure image sensors specifically tuned for Snapdragon

Sony IMX 800 QDOL4 (1/1.5") Sony IMX 989 QDOL4 (1-inch)

Computational HDR video capture



Computational HDR video capture





Inankyou

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