# Supplementary material

Suuplementary Table 1: Polyp datasets used in our experiments with number of images, input size and their availability. For some indicated dataset test data are not available (e.g. BKAI) for which we used training data and split it into 80:10:10 for train, validation and test. Also, we use small, flat and sessile polyps in Kvasir-SEG.

Dataset	Images	Input size	Availability
Kvasir-SEG	1000	Variable	Public
CVC-ClinicDB	612	384×288	Public
BKAI	$1000^{\dagger}$	Variable	Public
Kvasir-Sessile$^{\diamond}$	196	Variable	Public

† test data unavailable $\quad^{\diamond}$sessile polyps from Kvasir-SEG
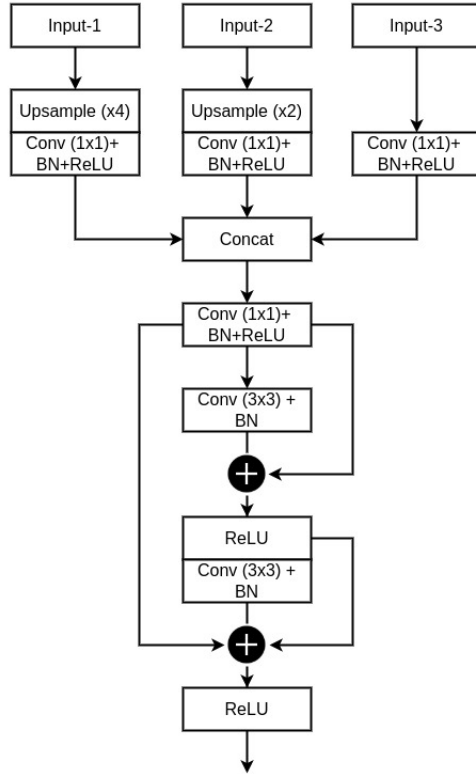
Suuplementary Figure 1: Block diagram of the proposed multi-scale fusion aggregation module that takes different scale features from three decoder blocks and concatenates them using upsampling, convolution, batch normalization and ReLU activations. Also, we apply residual-connections for different layers as shown.

Suuplementary Table 2: Algorithm complexity of methods used in the study. Number of model parameters, flops, image size and frame-per-second is provided for both state-of-the-art (SOTA) methods and proposed TGANet.

Method	Parameters (Million)	Flops (GMac)	Image Size	FPS
U-Net	31.04	54.75	256×256	164.93
HarDNet-MSEG	33.34	6.02	256×256	42.95
ColonSegNet	5.01	62.16	256×256	127.95
DeepLabV3+	39.76	43.31	256×256	99.79
PraNet	32.55	6.93	256×256	36.90
TGANet (Ours)	19.84	41.88	256×256	37.64