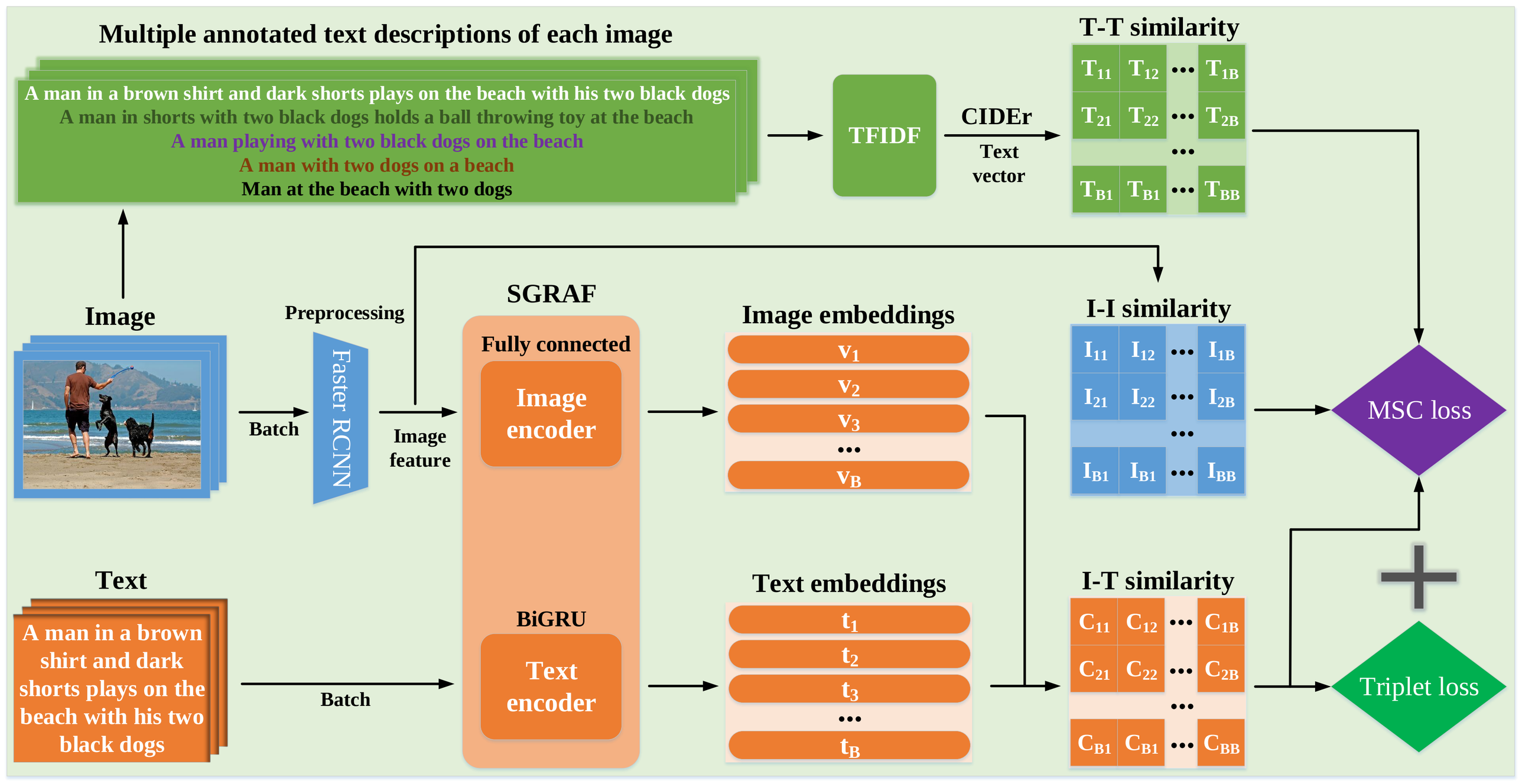
Multiple annotated text descriptions of each image
A man in a brown shirt and dark shorts plays on the beach with his two black dogs
A man in shorts with two black dogs holds a ball throwing toy at the beach
A man playing with two black dogs on the beach
A man with two dogs on a beach
Man at the beach with two dogs
TFIDF
CIDEr
Text vector
T-T similarity
Image
Preprocessing
Faster RCNN
Batch
Image feature
SGRAF
Fully connected
Image encoder
Image embeddings
I-I similarity
MSC loss
Text
A man in a brown shirt and dark shorts plays on the beach with his two black dogs
Batch
BiGRU
Text encoder
Text embeddings
I-T similarity
Triplet loss