

Multi-Modal
Visual Object Tracking

Algorithms

★ Exiplicit Fusion

- RGB+T { DAFNet,HATFNet,PRO,RMFNet,SiamMMF,WF_DiMP,SiamMLAA,SiamFT,SCA-MMAet+RGBT,DFAT,TAAT,CFM,JMMAC,SiamCDA
- RGB+D { WCO,MCBT,VADT,SiamOC,RT-KCF,RGBD-OD,RF-CFF,OAPCF,CDG,DOHR,Depth-CFF,DLS,DS-KCF,EMT,FECD,3sRGBD,AVSOT,CF_RGBD,HST,OHM,TACF,H-FCN,DAL,CF-RGBD,AMCT-MMA
- RGB+E
- RGB+L { TransNLT
- RGB+NIR { MarMOT,MAFnet,ProtoTrack
- RGB+S
- RGB+Multi
- Unified { ProTrack

★ Implicit Fusion

- RGB+T { GMMT,QueryTrack,CEDiMP,DECFNet,EStaple,DSiamMFT,FSBNet,fusionnet,IPL,MFENet,MFGNet,MACFT,MCTrack,RSFNet,SGF_MDNet+RGBT,SiamIVFN,TBSI,SiamTDR,UStTrack,UDT-FF,SRCDCE,SiamAFTS,SiamMFF,SCCF,QAT,MPTet,MFNet,MIGDT,LGMG,MECF,LSAR,L1PF,JSR,DuSiamRT,DMSTM,CFLG,CAT++,AMNet,AFTER,AWCM,Proformer,AGMINet,CMR,DTAN,CMCFT,MLSR,LCMIT,LTODA,LMDCN,MSSR,MacNet,RTLSR,RCDL,CRSP,BCCF,GABBP,STRT,PLF,AWS,MST,TMGRMR,FSRPN,mDiMP,CAT,CMPP,MANet++,MANet,ADRNet,APFNet,CMMP,BD2Track,UMT
- RGB+D { SPT,MMDFF,SSLTrack,OAPF,DBM,TSDM,OTR,GFL,DMTrack,CSRDCF_RGBD,CDAAT,CA3DMS
- RGB+E { MMHT,AFNet,CFE,Mamba-FETrack,HRCEUTrack
- RGB+L { VLATrack,UVLTrack,VLT,SNLT,TTCTrack,SATrack,OVLm,RTTNLD,QueryNLT,OSDT,MMTrack,JointNLT,DTLLM-VLT,All in One,CapsuleTNL,CiteTracker,DAT,MFAVLT,PTG,DecoupleTNL,AdaRS
- RGB+NIR
- RGB+S
- RGB+Multi { SPT
- Unified { SDSTrack,KSTrack,UniTrack,SeqTrackv2,XTrack

★ Hybird Fusion

- RGB+T { HMFT,SAFT,CMD,CMC2R,CSTNet,DASN,MMMPT,MPLT,MTNet,LMINet,M2GCI,SiamCAF,SiamFEA,TEFNet,TATrack,RLTN,PLASSOADSPF,MIRNet,CSRDCF_RGBT,CAFF,BAT,DBDFAN,LDUASTRCF,CSMMA,RFC,DAPF,DMGNet,FANet,TFNet,CBPNNet,M5L
- RGB+D { KCFDF,ROTSL,HAMD,3D-T,DM-DCF
- RGB+E { TENet
- RGB+L { GTI
- RGB+NIR
- RGB+S { SCANet
- RGB+Multi
- Unified { FDAFT,ViPT,OneTracker

Datasets

- 2 RGB+Multi { UniMod1K (RGB+D+L),WebUAV-3M (RGB+L+Audio)
- 10 RGB+T { OTCBVS,LITIV,GTOT,RGBT210,RGBT234,VOT-RGBT2019/2020,LasHeR,VTUAV,MV-RGBT
- 7 RGB+D { PTB,STC,CDTB,DepthTrack,RGBD1K,ARKittrack,D2CUBE
- 7 RGB+E { FE108/FE240hz,VisEvent,COESOT,FELT,CRSOT,FELT,CRSOT
- 7 RGB+L { OTB99L,LaSOT,LaSOT_EXT,TNL2K,MGIT,VastTrack,WebUOT-1M
- 1 RGB+NIR { CMOTB
- 1 RGB+S { RGBS50