

Python 3.6.8 |Anaconda custom (64-bit)| (default, Feb 21 2019, 18:30:04) [MSC v.1916 64 bit (AMD64)] on win32

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>>>

RESTART: C:\ObjDetAPI\models-master\research\object_detection\0
Tracker_Evaluator.py

True

Frame: 2 Total Penalty: 0.048771916123237946
 GT_area: 25038
 ST_area: 24931
 Overlap_area: 24360
 IOU: 0.951228083876762
 Centre Distance: 2.0
 Category: True Positive

Frame: 3 Total Penalty: 0.11514272089401101
 GT_area: 23868
 ST_area: 24931
 Overlap_area: 23562
 IOU: 0.9336291952292269
 Centre Distance: 0.5
 Category: True Positive

Frame: 4 Total Penalty: 0.20618031258105263
 GT_area: 25038
 ST_area: 24931
 Overlap_area: 23793
 IOU: 0.9089624083129584
 Centre Distance: 4.0
 Category: True Positive

Frame: 5 Total Penalty: 0.25837583867881564
 GT_area: 24440
 ST_area: 24931
 Overlap_area: 24024
 IOU: 0.947804473902237
 Centre Distance: 0.5
 Category: True Positive

Frame: 6 Total Penalty: 0.30793805251125195
 GT_area: 23970
 ST_area: 24592
 Overlap_area: 23664
 IOU: 0.9504377861675637
 Centre Distance: 2.0
 Category: True Positive

Frame: 7 Total Penalty: 0.3432500282242822
 GT_area: 24592
 ST_area: 24592
 Overlap_area: 24150
 IOU: 0.9646880242869698
 Centre Distance: 1.0
 Category: True Positive

Frame: 8 Total Penalty: 0.49984354228757677
 GT_area: 24360
 ST_area: 22763
 Overlap_area: 21560
 IOU: 0.8434064859367054
 Centre Distance: 6.0
 Category: True Positive

Frame: 9 Total Penalty: 0.645625398976599
 GT_area: 24514
 ST_area: 22763
 Overlap_area: 21780
 IOU: 0.8542181433109778
 Centre Distance: 4.0
 Category: True Positive

Frame: 10 Total Penalty: 1.876195078337396
 GT_area: 23200
 ST_area: 22763
 Overlap_area: 17052
 IOU: 0.5898101068797343
 Centre Distance: 14.5
 Category: False Positive

Frame: 11 Total Penalty: 3.1192742179895516
 GT_area: 23460
 ST_area: 22763
 Overlap_area: 17072
 IOU: 0.5856402867826147
 Centre Distance: 14.5
 Category: False Positive

Frame: 12 Total Penalty: 4.342174981348331
 GT_area: 23129
 ST_area: 22763
 Overlap_area: 17072
 IOU: 0.5923664122137404
 Centre Distance: 14.0
 Category: False Positive

Frame: 13 Total Penalty: 5.458876464901778
 GT_area: 23533
 ST_area: 22440
 Overlap_area: 17730
 IOU: 0.627766172148851
 Centre Distance: 11.5
 Category: False Positive

Frame: 14 Total Penalty: 6.642787738241662
 GT_area: 23300
 ST_area: 22440
 Overlap_area: 17248
 IOU: 0.6053629088867051

Centre Distance: 13.0
Category: False Positive

Frame: 15 Total Penalty: 7.832195928083943
 GT_area: 22310
 ST_area: 22018
 Overlap_area: 16684
 IOU: 0.6035306033859065
 Centre Distance: 13.0
 Category: False Positive

Frame: 16 Total Penalty: 9.03138230747222
 GT_area: 20884
 ST_area: 21600
 Overlap_area: 15936
 IOU: 0.600271206870574
 Centre Distance: 13.0
 Category: False Positive

Frame: 17 Total Penalty: 10.176228180856377
 GT_area: 22344
 ST_area: 21600
 Overlap_area: 16791
 IOU: 0.6183847088719479
 Centre Distance: 12.0
 Category: False Positive

Frame: 18 Total Penalty: 11.278880215607177
 GT_area: 21755
 ST_area: 21087
 Overlap_area: 16598
 IOU: 0.6324493217497332
 Centre Distance: 11.0
 Category: False Positive

Frame: 19 Total Penalty: 12.332350158775352
 GT_area: 20520
 ST_area: 20678
 Overlap_area: 16212
 IOU: 0.6488433522772753
 Centre Distance: 10.0
 Category: False Positive

Frame: 20 Total Penalty: 13.402587831709017
 GT_area: 21111
 ST_area: 20580
 Overlap_area: 16320
 IOU: 0.6432541090221119
 Centre Distance: 10.5
 Category: False Positive

Frame: 21 Total Penalty: 13.743592442636507
 GT_area: 20384
 ST_area: 20273

Overlap_area: 16150
IOU: 0.6589953890725099
Centre Distance: 9.0
Category: True Positive

Frame: 22 Total Penalty: 14.069234942020692
GT_area: 20608
ST_area: 20176
Overlap_area: 16426
IOU: 0.6743575006158141
Centre Distance: 8.5
Category: True Positive

Frame: 23 Total Penalty: 14.404123230751358
GT_area: 20516
ST_area: 20176
Overlap_area: 16254
IOU: 0.6651117112693347
Centre Distance: 8.5
Category: True Positive

Frame: 24 Total Penalty: 14.734946645859447
GT_area: 21056
ST_area: 20176
Overlap_area: 16530
IOU: 0.6691765848919116
Centre Distance: 8.5
Category: True Positive

Frame: 25 Total Penalty: 15.044903216552708
GT_area: 21755
ST_area: 20273
Overlap_area: 17160
IOU: 0.6900434293067396
Centre Distance: 8.0
Category: True Positive

Frame: 26 Total Penalty: 15.367147705530664
GT_area: 21280
ST_area: 20580
Overlap_area: 16910
IOU: 0.6777555110220441
Centre Distance: 7.5
Category: True Positive

Frame: 27 Total Penalty: 15.661892195721993
GT_area: 21470
ST_area: 20776
Overlap_area: 17472
IOU: 0.7052555098086704
Centre Distance: 5.5
Category: True Positive

Frame: 28 Total Penalty: 15.954478946510637

GT_area: 22213
ST_area: 21087
Overlap_area: 17940
IOU: 0.7074132492113565
Centre Distance: 6.0
Category: True Positive

Frame: 29 Total Penalty: 16.254817389672095
GT_area: 21600
ST_area: 21087
Overlap_area: 17572
IOU: 0.6996615568385427
Centre Distance: 5.5
Category: True Positive

Frame: 30 Total Penalty: 16.557053409635156
GT_area: 22116
ST_area: 21087
Overlap_area: 17756
IOU: 0.6977639800369395
Centre Distance: 6.0
Category: True Positive

Frame: 31 Total Penalty: 16.861563809261238
GT_area: 22344
ST_area: 21186
Overlap_area: 17856
IOU: 0.6954896003739192
Centre Distance: 5.5
Category: True Positive

Frame: 32 Total Penalty: 17.159608392757523
GT_area: 22019
ST_area: 21500
Overlap_area: 17949
IOU: 0.7019554165037153
Centre Distance: 5.5
Category: True Positive

Frame: 33 Total Penalty: 17.442514510071565
GT_area: 22176
ST_area: 21500
Overlap_area: 18240
IOU: 0.7170938826859569
Centre Distance: 3.5
Category: True Positive

Frame: 34 Total Penalty: 17.7049040605902
GT_area: 23730
ST_area: 21500
Overlap_area: 19200
IOU: 0.7376104494813677
Centre Distance: 0.5
Category: True Positive

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Frame: 35  Total Penalty: 18.0176188372225  
          GT_area: 25536  
          ST_area: 21600  
          Overlap_area: 19200  
          IOU: 0.6872852233676976  
          Centre Distance: 1.0  
          Category: True Positive  
-----  
Frame: 36  Total Penalty: 18.2865183587536  
          GT_area: 23625  
          ST_area: 21600  
          Overlap_area: 19100  
          IOU: 0.7311004784688995  
          Centre Distance: 2.5  
          Category: True Positive  
-----  
Frame: 37  Total Penalty: 18.58323141768164  
          GT_area: 24416  
          ST_area: 21600  
          Overlap_area: 19000  
          IOU: 0.7032869410719573  
          Centre Distance: 0.5  
          Category: True Positive  
-----  
Frame: 38  Total Penalty: 19.705843885323144  
          GT_area: 23712  
          ST_area: 22763  
          Overlap_area: 17889  
          IOU: 0.6257958441194991  
          Centre Distance: 14.5  
          Category: False Positive  
-----  
Frame: 39  Total Penalty: 20.7711295099308  
          GT_area: 24300  
          ST_area: 22866  
          Overlap_area: 18492  
          IOU: 0.6449047917974472  
          Centre Distance: 13.5  
          Category: False Positive  
-----  
Frame: 40  Total Penalty: 21.784244264029162  
          GT_area: 24182  
          ST_area: 22969  
          Overlap_area: 18786  
          IOU: 0.6622950819672131  
          Centre Distance: 12.0  
          Category: False Positive  
-----  
Frame: 41  Total Penalty: 22.817289222191125  
          GT_area: 23504  
          ST_area: 23192  
          Overlap_area: 18492  
          IOU: 0.6556516806126791
```

Centre Distance: 12.0
Category: False Positive

Frame: 42 Total Penalty: 23.857560523590024
 GT_area: 23608
 ST_area: 23192
 Overlap_area: 18492
 IOU: 0.6532428995337007
 Centre Distance: 12.0
 Category: False Positive

Frame: 43 Total Penalty: 24.928631455439817
 GT_area: 23956
 ST_area: 23296
 Overlap_area: 18492
 IOU: 0.6429763560500695
 Centre Distance: 13.0
 Category: False Positive

Frame: 44 Total Penalty: 25.96167641360178
 GT_area: 23504
 ST_area: 23192
 Overlap_area: 18492
 IOU: 0.6556516806126791
 Centre Distance: 12.0
 Category: False Positive

Frame: 45 Total Penalty: 27.000496618476383
 GT_area: 23625
 ST_area: 23192
 Overlap_area: 18507
 IOU: 0.6537265983751325
 Centre Distance: 11.5
 Category: False Positive

Frame: 46 Total Penalty: 28.03924754574333
 GT_area: 23520
 ST_area: 23296
 Overlap_area: 18507
 IOU: 0.6537496909110176
 Centre Distance: 11.5
 Category: False Positive

Frame: 47 Total Penalty: 29.033628968879064
 GT_area: 23625
 ST_area: 23296
 Overlap_area: 18800
 IOU: 0.6685395256214217
 Centre Distance: 10.5
 Category: False Positive

Frame: 48 Total Penalty: 30.06718673311974
 GT_area: 23175
 ST_area: 23296

Overlap_area: 18400
IOU: 0.6554807452531082
Centre Distance: 11.5
Category: False Positive

Frame: 49 Total Penalty: 30.38650704648176
 GT_area: 22400
 ST_area: 23296
 Overlap_area: 18507
 IOU: 0.6806796866379786
 Centre Distance: 9.0
 Category: True Positive

Frame: 50 Total Penalty: 31.937911392003752
 GT_area: 22644
 ST_area: 10934
 Overlap_area: 10934
 IOU: 0.4828652181593358
 Centre Distance: 10.5
 Category: False Positive

Frame: 51 Total Penalty: 33.48488253927573
 GT_area: 21631
 ST_area: 10934
 Overlap_area: 10626
 IOU: 0.48434295090933954
 Centre Distance: 15.0
 Category: False Positive

Frame: 52 Total Penalty: 33.96560062438211
 GT_area: 21056
 ST_area: 10934
 Overlap_area: 10934
 IOU: 0.519281914893617
 Centre Distance: 7.5
 Category: True Positive

Frame: 53 Total Penalty: 34.439269633720706
 GT_area: 20774
 ST_area: 10934
 Overlap_area: 10934
 IOU: 0.5263309906614037
 Centre Distance: 6.5
 Category: True Positive

Frame: 54 Total Penalty: 34.97538451825399
 GT_area: 22077
 ST_area: 15640
 Overlap_area: 11952
 IOU: 0.4638851154667184
 Centre Distance: 9.0
 Category: True Positive

Frame: 55 Total Penalty: 36.94456863496095

GT_area: 21854
ST_area: 10934
Overlap_area: 8385
IOU: 0.34360529443101256
Centre Distance: 19.5
Category: False Positive

Frame: 56 Total Penalty: 38.903472744549994
GT_area: 21825
ST_area: 15640
Overlap_area: 9652
IOU: 0.3470319634703196
Centre Distance: 15.0
Category: False Positive

Frame: 57 Total Penalty: 40.86626940907854
GT_area: 21854
ST_area: 15910
Overlap_area: 9702
IOU: 0.345734445157152
Centre Distance: 15.0
Category: False Positive

Frame: 58 Total Penalty: 41.23964804914577
GT_area: 21756
ST_area: 22763
Overlap_area: 17150
IOU: 0.6266213599327707
Centre Distance: 0.5
Category: True Positive

Frame: 59 Total Penalty: 41.63205907054408
GT_area: 21534
ST_area: 22866
Overlap_area: 16781
IOU: 0.6075889786016873
Centre Distance: 3.0
Category: True Positive

Frame: 60 Total Penalty: 42.0279768417494
GT_area: 20962
ST_area: 22969
Overlap_area: 16544
IOU: 0.6040822287946837
Centre Distance: 3.5
Category: True Positive

Frame: 61 Total Penalty: 42.40841596350589
GT_area: 21658
ST_area: 22969
Overlap_area: 17072
IOU: 0.619560878243513
Centre Distance: 3.5
Category: True Positive

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Frame: 62   Total Penalty: 42.68126811625913  
            GT_area: 21243  
            ST_area: 22763  
            Overlap_area: 18527  
            IOU: 0.7271478472467522  
            Centre Distance: 2.0  
            Category: True Positive  
-----  
Frame: 63   Total Penalty: 42.94373008677165  
            GT_area: 21681  
            ST_area: 22866  
            Overlap_area: 18909  
            IOU: 0.7375380294874795  
            Centre Distance: 1.0  
            Category: True Positive  
-----  
Frame: 64   Total Penalty: 43.20518247049936  
            GT_area: 21879  
            ST_area: 22866  
            Overlap_area: 19008  
            IOU: 0.7385476162722928  
            Centre Distance: 1.0  
            Category: True Positive  
-----  
Frame: 65   Total Penalty: 44.8887108854741  
            GT_area: 23088  
            ST_area: 22763  
            Overlap_area: 13984  
            IOU: 0.4388238616750871  
            Centre Distance: 11.5  
            Category: False Positive  
-----  
Frame: 66   Total Penalty: 46.55648253625662  
            GT_area: 22542  
            ST_area: 22763  
            Overlap_area: 13932  
            IOU: 0.44407611640582667  
            Centre Distance: 21.5  
            Category: False Positive  
-----  
Frame: 67   Total Penalty: 48.20864669143456  
            GT_area: 22440  
            ST_area: 22763  
            Overlap_area: 14013  
            IOU: 0.4492786149406861  
            Centre Distance: 21.5  
            Category: False Positive  
-----  
Frame: 68   Total Penalty: 49.884966304025355  
            GT_area: 21879  
            ST_area: 22763  
            Overlap_area: 13667  
            IOU: 0.441226795803067
```

Centre Distance: 22.0
Category: False Positive

Frame: 69 Total Penalty: 51.54073105557815
 GT_area: 22000
 ST_area: 22763
 Overlap_area: 13851
 IOU: 0.44807841614906835
 Centre Distance: 20.5
 Category: False Positive

Frame: 70 Total Penalty: 53.215374014057296
 GT_area: 22866
 ST_area: 22866
 Overlap_area: 14013
 IOU: 0.44178568050695166
 Centre Distance: 22.0
 Category: False Positive

Frame: 71 Total Penalty: 54.931926947131856
 GT_area: 22644
 ST_area: 22969
 Overlap_area: 13667
 IOU: 0.42781568897514555
 Centre Distance: 23.5
 Category: False Positive

Frame: 72 Total Penalty: 56.67961097317092
 GT_area: 22321
 ST_area: 22969
 Overlap_area: 13338
 IOU: 0.4174386579869805
 Centre Distance: 24.0
 Category: False Positive

Frame: 73 Total Penalty: 58.35298105724594
 GT_area: 23638
 ST_area: 23192
 Overlap_area: 14359
 IOU: 0.44220997197499307
 Centre Distance: 22.0
 Category: False Positive

Frame: 74 Total Penalty: 60.041107129956195
 GT_area: 22866
 ST_area: 23192
 Overlap_area: 14013
 IOU: 0.4372913090965829
 Centre Distance: 22.5
 Category: False Positive

Frame: 75 Total Penalty: 61.795822391915195
 GT_area: 23296
 ST_area: 23296

Overlap_area: 13667
IOU: 0.4150949126803341
Centre Distance: 25.0
Category: False Positive

Frame: 76 Total Penalty: 63.502767381795266
GT_area: 24075
ST_area: 23296
Overlap_area: 14268
IOU: 0.4310183367066429
Centre Distance: 23.5
Category: False Positive

Frame: 77 Total Penalty: 65.2957681716367
GT_area: 22866
ST_area: 23296
Overlap_area: 13244
IOU: 0.4023330700528586
Centre Distance: 26.5
Category: False Positive

Frame: 78 Total Penalty: 67.05798315535004
GT_area: 23540
ST_area: 23296
Overlap_area: 13680
IOU: 0.41259500542888167
Centre Distance: 25.5
Category: False Positive

Frame: 79 Total Penalty: 68.80818267649929
GT_area: 24525
ST_area: 23400
Overlap_area: 14094
IOU: 0.4166001596169194
Centre Distance: 25.5
Category: False Positive

Frame: 80 Total Penalty: 70.62466118473556
GT_area: 23415
ST_area: 23400
Overlap_area: 13244
IOU: 0.3945071639212415
Centre Distance: 27.5
Category: False Positive

Frame: 81 Total Penalty: 72.42801493391794
GT_area: 23754
ST_area: 23296
Overlap_area: 13416
IOU: 0.398882083605875
Centre Distance: 27.5
Category: False Positive

Frame: 82 Total Penalty: 74.27331880132125

GT_area: 23976
ST_area: 23400
Overlap_area: 13167
IOU: 0.3848987108655617
Centre Distance: 29.0
Category: False Positive

Frame: 83 Total Penalty: 76.0784993077824
GT_area: 24860
ST_area: 23400
Overlap_area: 13746
IOU: 0.39827316451295125
Centre Distance: 28.0
Category: False Positive

Frame: 84 Total Penalty: 77.89946000647235
GT_area: 25088
ST_area: 23400
Overlap_area: 13680
IOU: 0.3930131004366812
Centre Distance: 28.0
Category: False Positive

Frame: 85 Total Penalty: 79.69185917917142
GT_area: 25200
ST_area: 23625
Overlap_area: 14013
IOU: 0.4025336091003102
Centre Distance: 27.5
Category: False Positive

Frame: 86 Total Penalty: 81.4632440343924
GT_area: 25200
ST_area: 23625
Overlap_area: 14186
IOU: 0.4095383815930021
Centre Distance: 26.5
Category: False Positive

Frame: 87 Total Penalty: 83.25533092345368
GT_area: 25086
ST_area: 23730
Overlap_area: 14013
IOU: 0.4026377036462374
Centre Distance: 27.0
Category: False Positive

Frame: 88 Total Penalty: 85.08423516133709
GT_area: 24743
ST_area: 22763
Overlap_area: 13338
IOU: 0.3903652540388668
Centre Distance: 28.0
Category: False Positive

Frame: 89 Total Penalty: 86.86966132759454
 GT_area: 25197
 ST_area: 22866
 Overlap_area: 13851
 IOU: 0.40485794458084884
 Centre Distance: 26.0
 Category: False Positive

Frame: 90 Total Penalty: 88.65873316206927
 GT_area: 25197
 ST_area: 22969
 Overlap_area: 13851
 IOU: 0.40364272184176014
 Centre Distance: 26.0
 Category: False Positive

Frame: 91 Total Penalty: 90.37913234023188
 GT_area: 25410
 ST_area: 23192
 Overlap_area: 14532
 IOU: 0.4265336072791312
 Centre Distance: 23.0
 Category: False Positive

Frame: 92 Total Penalty: 92.12621038657097
 GT_area: 24961
 ST_area: 23192
 Overlap_area: 14186
 IOU: 0.4176406512203021
 Centre Distance: 24.5
 Category: False Positive

Frame: 93 Total Penalty: 93.87128810677822
 GT_area: 25872
 ST_area: 23400
 Overlap_area: 14532
 IOU: 0.418307426597582
 Centre Distance: 24.0
 Category: False Positive

Frame: 94 Total Penalty: 95.60686556841146
 GT_area: 27028
 ST_area: 23730
 Overlap_area: 15050
 IOU: 0.4214741794555842
 Centre Distance: 24.5
 Category: False Positive

Frame: 95 Total Penalty: 97.32921478592509
 GT_area: 24486
 ST_area: 24168
 Overlap_area: 14532
 IOU: 0.4258835941621241

Centre Distance: 22.0
Category: False Positive

Frame: 96 Total Penalty: 99.07144283908806
GT_area: 25488
ST_area: 24274
Overlap_area: 14700
IOU: 0.41925731561234386
Centre Distance: 23.0
Category: False Positive

Frame: 97 Total Penalty: 100.8306743616412
GT_area: 24360
ST_area: 24717
Overlap_area: 14359
IOU: 0.4135894924822858
Centre Distance: 23.0
Category: False Positive

Frame: 98 Total Penalty: 102.5492303183199
GT_area: 24698
ST_area: 24717
Overlap_area: 14790
IOU: 0.4271480144404332
Centre Distance: 21.5
Category: False Positive

Frame: 99 Total Penalty: 104.2769411616934
GT_area: 24336
ST_area: 24717
Overlap_area: 14608
IOU: 0.42409638554216866
Centre Distance: 22.5
Category: False Positive

Frame: 100 Total Penalty: 106.00406262591969
GT_area: 24592
ST_area: 25056
Overlap_area: 14790
IOU: 0.4242928452579035
Centre Distance: 22.0
Category: False Positive

Frame: 101 Total Penalty: 107.71040823498484
GT_area: 25016
ST_area: 25506
Overlap_area: 15222
IOU: 0.4312181303116147
Centre Distance: 21.5
Category: False Positive

Frame: 102 Total Penalty: 108.99241668541228
GT_area: 25252
ST_area: 22763

Overlap_area: 17484
IOU: 0.5726638498575218
Centre Distance: 12.0
Category: False Positive

Frame: 103 Total Penalty: 109.40199008144856
GT_area: 24378
ST_area: 22969
Overlap_area: 17577
IOU: 0.5904266039637218
Centre Distance: 9.5
Category: True Positive

Frame: 104 Total Penalty: 110.6944375733768
GT_area: 24174
ST_area: 22969
Overlap_area: 17100
IOU: 0.5691841693572546
Centre Distance: 12.5
Category: False Positive

Frame: 105 Total Penalty: 111.95034334425263
GT_area: 25095
ST_area: 22969
Overlap_area: 17670
IOU: 0.5813647430413897
Centre Distance: 11.0
Category: False Positive

Frame: 106 Total Penalty: 113.22186458979269
GT_area: 26051
ST_area: 22542
Overlap_area: 17763
IOU: 0.5761595848199805
Centre Distance: 12.5
Category: False Positive

Frame: 107 Total Penalty: 114.61623567078786
GT_area: 30366
ST_area: 22763
Overlap_area: 18522
IOU: 0.5352096396682752
Centre Distance: 16.5
Category: False Positive

Frame: 108 Total Penalty: 115.40580513834193
GT_area: 35624
ST_area: 10934
Overlap_area: 8094
IOU: 0.21043053244592347
Centre Distance: 8.5
Category: True Positive

Frame: 109 Total Penalty: 115.92277910549204

GT_area: 42066
ST_area: 22763
Overlap_area: 21115
IOU: 0.48302603284988793
Centre Distance: 2.0
Category: True Positive

Frame: 110 Total Penalty: 116.4867356704858
GT_area: 45080
ST_area: 22763
Overlap_area: 20600
IOU: 0.4360434350062443
Centre Distance: 0.5
Category: True Positive

Frame: 111 Total Penalty: 118.18291055704701
GT_area: 44896
ST_area: 22763
Overlap_area: 20497
IOU: 0.43460837114626183
Centre Distance: 10.5
Category: False Positive

Frame: 112 Total Penalty: 119.54357869812488
GT_area: 46995
ST_area: 32718
Overlap_area: 28167
IOU: 0.5464439529740426
Centre Distance: 19.0
Category: False Positive

Frame: 113 Total Penalty: 121.34898313406677
GT_area: 47400
ST_area: 22763
Overlap_area: 19982
IOU: 0.3981985213527032
Centre Distance: 20.5
Category: False Positive

Frame: 114 Total Penalty: 122.75027119027285
GT_area: 45828
ST_area: 32718
Overlap_area: 27306
IOU: 0.532903981264637
Centre Distance: 19.0
Category: False Positive

Frame: 115 Total Penalty: 124.16170588395163
GT_area: 45800
ST_area: 32718
Overlap_area: 27183
IOU: 0.5295217687737411
Centre Distance: 27.5
Category: False Positive

Frame: 116 Total Penalty: 125.45290358502241
GT_area: 44550
ST_area: 47212
Overlap_area: 33300
IOU: 0.5696007663097397
Centre Distance: 14.0
Category: False Positive

Frame: 117 Total Penalty: 126.7567442289954
GT_area: 44576
ST_area: 47212
Overlap_area: 33152
IOU: 0.5653864520090047
Centre Distance: 14.5
Category: False Positive

Frame: 118 Total Penalty: 129.69804917030035
GT_area: 43956
ST_area: 860
Overlap_area: 860
IOU: 0.019565019565019565
Centre Distance: 24.0
Category: False Positive

Frame: 119 Total Penalty: 132.63682468050445
GT_area: 42140
ST_area: 860
Overlap_area: 860
IOU: 0.02040816326530612
Centre Distance: 12.0
Category: False Positive

Frame: 120 Total Penalty: 135.5436720722314
GT_area: 37036
ST_area: 1150
Overlap_area: 1150
IOU: 0.03105086942434388
Centre Distance: 12.5
Category: False Positive

Frame: 121 Total Penalty: 136.51076307568104
GT_area: 32757
ST_area: 1078
Overlap_area: 1078
IOU: 0.032908996550355646
Centre Distance: 4.5
Category: True Positive

Frame: 122 Total Penalty: 137.48202744349715
GT_area: 30624
ST_area: 880
Overlap_area: 880
IOU: 0.028735632183908046

Centre Distance: 1.0
Category: True Positive

Frame: 123 Total Penalty: 138.45504519497644
GT_area: 29575
ST_area: 798
Overlap_area: 798
IOU: 0.02698224852071006
Centre Distance: 2.0
Category: True Positive

Frame: 124 Total Penalty: 139.42804834122632
GT_area: 29559
ST_area: 798
Overlap_area: 798
IOU: 0.026996853750126865
Centre Distance: 3.0
Category: True Positive

Frame: 125 Total Penalty: 142.38364993956878
GT_area: 26568
ST_area: 860
Overlap_area: 400
IOU: 0.01479946721918011
Centre Distance: 27.0
Category: False Positive

Frame: 126 Total Penalty: 145.325294501903
GT_area: 22200
ST_area: 860
Overlap_area: 440
IOU: 0.019451812555260833
Centre Distance: 24.0
Category: False Positive

Frame: 127 Total Penalty: 148.256156802652
GT_area: 20448
ST_area: 860
Overlap_area: 480
IOU: 0.023045899750336087
Centre Distance: 23.0
Category: False Positive

Frame: 128 Total Penalty: 151.19251167246875
GT_area: 20300
ST_area: 880
Overlap_area: 440
IOU: 0.021215043394406944
Centre Distance: 23.0
Category: False Positive

Frame: 129 Total Penalty: 154.11844491363013
GT_area: 19872
ST_area: 880

Overlap_area: 500
IOU: 0.024688919612877742
Centre Distance: 23.0
Category: False Positive

Frame: 130 Total Penalty: 157.05038415213872
GT_area: 19856
ST_area: 880
Overlap_area: 460
IOU: 0.022686920497139475
Centre Distance: 24.0
Category: False Positive

Frame: 131 Total Penalty: 159.96309966938009
GT_area: 19110
ST_area: 945
Overlap_area: 567
IOU: 0.029094827586206896
Centre Distance: 17.5
Category: False Positive

Frame: 132 Total Penalty: 162.8725591982001
GT_area: 19126
ST_area: 945
Overlap_area: 588
IOU: 0.030180157060001028
Centre Distance: 19.0
Category: False Positive

Frame: 133 Total Penalty: 165.7876206269882
GT_area: 19479
ST_area: 860
Overlap_area: 560
IOU: 0.028312857070630467
Centre Distance: 18.5
Category: False Positive

Frame: 134 Total Penalty: 168.69719960410038
GT_area: 21014
ST_area: 860
Overlap_area: 640
IOU: 0.030140340962607138
Centre Distance: 24.5
Category: False Positive

Frame: 135 Total Penalty: 171.62248246185317
GT_area: 27946
ST_area: 860
Overlap_area: 700
IOU: 0.024905714082402334
Centre Distance: 34.5
Category: False Positive

Frame: 136 Total Penalty: 174.55749024737887

GT_area: 29322
ST_area: 860
Overlap_area: 640
IOU: 0.021664071491435923
Centre Distance: 33.0
Category: False Positive

Frame: 137 Total Penalty: 177.51012182632624
GT_area: 37740
ST_area: 860
Overlap_area: 600
IOU: 0.015789473684210527
Centre Distance: 42.5
Category: False Positive

Frame: 138 Total Penalty: 180.44890952414647
GT_area: 40128
ST_area: 880
Overlap_area: 820
IOU: 0.02040410072658505
Centre Distance: 49.0
Category: False Positive

Frame: 139 Total Penalty: 183.39172106823477
GT_area: 45114
ST_area: 860
Overlap_area: 860
IOU: 0.01906281863723013
Centre Distance: 23.0
Category: False Positive

Frame: 140 Total Penalty: 186.33580914035682
GT_area: 46144
ST_area: 860
Overlap_area: 860
IOU: 0.018637309292649097
Centre Distance: 32.0
Category: False Positive

Frame: 141 Total Penalty: 187.6587335614672
GT_area: 46864
ST_area: 32718
Overlap_area: 28536
IOU: 0.5590251929632096
Centre Distance: 14.5
Category: False Positive

Frame: 142 Total Penalty: 188.99676501167104
GT_area: 47328
ST_area: 32718
Overlap_area: 28536
IOU: 0.5539895165987186
Centre Distance: 12.5
Category: False Positive

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Frame: 143 Total Penalty: 189.4291242579759  
GT_area: 47502  
ST_area: 35862  
Overlap_area: 30186  
IOU: 0.5676407536951371  
Centre Distance: 3.0  
Category: True Positive  
-----  
Frame: 144 Total Penalty: 191.02616974115594  
GT_area: 45978  
ST_area: 47212  
Overlap_area: 29694  
IOU: 0.46765150560665236  
Centre Distance: 24.0  
Category: False Positive  
-----  
Frame: 145 Total Penalty: 192.69379081844693  
GT_area: 43384  
ST_area: 45385  
Overlap_area: 27300  
IOU: 0.44412630756966925  
Centre Distance: 26.0  
Category: False Positive  
-----  
Frame: 146 Total Penalty: 194.77617569888966  
GT_area: 42320  
ST_area: 32718  
Overlap_area: 17576  
IOU: 0.3058717065190909  
Centre Distance: 49.5  
Category: False Positive  
-----  
Frame: 147 Total Penalty: 196.95813070681646  
GT_area: 40656  
ST_area: 22763  
Overlap_area: 13588  
IOU: 0.27268166402440247  
Centre Distance: 53.5  
Category: False Positive  
-----  
Frame: 148 Total Penalty: 199.1659982950602  
GT_area: 38868  
ST_area: 22763  
Overlap_area: 12874  
IOU: 0.26404413725208686  
Centre Distance: 51.5  
Category: False Positive  
-----  
Frame: 149 Total Penalty: 201.36965197864131  
GT_area: 38610  
ST_area: 22763  
Overlap_area: 12874  
IOU: 0.26544877213963175
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Centre Distance: 52.0
Category: False Positive

Frame: 150 Total Penalty: 201.83166397064664
GT_area: 34950
ST_area: 22763
Overlap_area: 20188
IOU: 0.5379880079946702
Centre Distance: 4.5
Category: True Positive

Frame: 151 Total Penalty: 202.25642441743466
GT_area: 32802
ST_area: 22763
Overlap_area: 20291
IOU: 0.5752395532119975
Centre Distance: 5.5
Category: True Positive

Frame: 152 Total Penalty: 202.6601564186101
GT_area: 31455
ST_area: 22866
Overlap_area: 20291
IOU: 0.5962679988245666
Centre Distance: 6.0
Category: True Positive

Frame: 153 Total Penalty: 203.061070419441
GT_area: 31020
ST_area: 22866
Overlap_area: 20188
IOU: 0.5990859991690901
Centre Distance: 5.5
Category: True Positive

Frame: 154 Total Penalty: 203.46368781743945
GT_area: 30654
ST_area: 23296
Overlap_area: 20176
IOU: 0.5973826020015397
Centre Distance: 8.5
Category: True Positive

Frame: 155 Total Penalty: 203.84654287358504
GT_area: 29845
ST_area: 23296
Overlap_area: 20280
IOU: 0.6171449438544171
Centre Distance: 6.5
Category: True Positive

Frame: 156 Total Penalty: 204.94181620630172
GT_area: 29625
ST_area: 23400

Overlap_area: 20592
IOU: 0.6349088890944409
Centre Distance: 10.5
Category: False Positive

Frame: 157 Total Penalty: 206.137257320696
GT_area: 30353
ST_area: 22763
Overlap_area: 19950
IOU: 0.601519628535247
Centre Distance: 20.0
Category: False Positive

Frame: 158 Total Penalty: 207.36596022206152
GT_area: 30464
ST_area: 22763
Overlap_area: 19760
IOU: 0.5904323662114919
Centre Distance: 20.5
Category: False Positive

Frame: 159 Total Penalty: 208.71302474102993
GT_area: 30099
ST_area: 22763
Overlap_area: 18779
IOU: 0.5509784936771998
Centre Distance: 26.0
Category: False Positive

Frame: 160 Total Penalty: 210.13525804112962
GT_area: 29274
ST_area: 22763
Overlap_area: 17935
IOU: 0.5259222333000997
Centre Distance: 28.0
Category: False Positive

Frame: 161 Total Penalty: 211.5684263579613
GT_area: 29512
ST_area: 22763
Overlap_area: 17935
IOU: 0.5222772277227723
Centre Distance: 28.5
Category: False Positive

Frame: 162 Total Penalty: 212.88445385434335
GT_area: 28920
ST_area: 22866
Overlap_area: 18618
IOU: 0.5613241678726484
Centre Distance: 24.5
Category: False Positive

Frame: 163 Total Penalty: 214.16247882922494

GT_area: 31964
ST_area: 22866
Overlap_area: 19995
IOU: 0.5739916750394718
Centre Distance: 24.0
Category: False Positive

Frame: 164 Total Penalty: 215.3841104446629
GT_area: 31944
ST_area: 23192
Overlap_area: 20520
IOU: 0.5927894615206841
Centre Distance: 23.0
Category: False Positive

Frame: 165 Total Penalty: 216.6428627019006
GT_area: 31070
ST_area: 23192
Overlap_area: 19928
IOU: 0.5804159142540921
Centre Distance: 23.0
Category: False Positive

Frame: 166 Total Penalty: 217.93039271178623
GT_area: 32319
ST_area: 23296
Overlap_area: 20210
IOU: 0.5708233300381302
Centre Distance: 24.5
Category: False Positive

Frame: 167 Total Penalty: 219.20544314890796
GT_area: 32912
ST_area: 23296
Overlap_area: 20520
IOU: 0.5749831876260928
Centre Distance: 25.0
Category: False Positive

Frame: 168 Total Penalty: 219.49767325135082
GT_area: 31416
ST_area: 22763
Overlap_area: 22454
IOU: 0.7077698975571316
Centre Distance: 9.5
Category: True Positive

Frame: 169 Total Penalty: 219.78340580874675
GT_area: 31070
ST_area: 22542
Overlap_area: 22338
IOU: 0.71426744260408
Centre Distance: 5.0
Category: True Positive

Frame: 170 Total Penalty: 220.05684979214925
GT_area: 31330
ST_area: 22763
Overlap_area: 22763
IOU: 0.7265560165975103
Centre Distance: 7.5
Category: True Positive

Frame: 171 Total Penalty: 220.3565144384896
GT_area: 32400
ST_area: 22866
Overlap_area: 22763
IOU: 0.7003353536596622
Centre Distance: 7.0
Category: True Positive

Frame: 172 Total Penalty: 220.65668197385818
GT_area: 32026
ST_area: 22763
Overlap_area: 22557
IOU: 0.6998324646314222
Centre Distance: 7.5
Category: True Positive

Frame: 173 Total Penalty: 220.97716915257993
GT_area: 33499
ST_area: 22763
Overlap_area: 22763
IOU: 0.6795128212782471
Centre Distance: 8.0
Category: True Positive

Frame: 174 Total Penalty: 221.3098696889507
GT_area: 32568
ST_area: 22763
Overlap_area: 22145
IOU: 0.6672994636292412
Centre Distance: 7.5
Category: True Positive

Frame: 175 Total Penalty: 221.611421445716
GT_area: 31088
ST_area: 22763
Overlap_area: 22145
IOU: 0.698448243234719
Centre Distance: 2.5
Category: True Positive

Frame: 176 Total Penalty: 221.92893969389118
GT_area: 32880
ST_area: 22440
Overlap_area: 22440
IOU: 0.6824817518248175

Centre Distance: 2.5
Category: True Positive

Frame: 177 Total Penalty: 222.2227160651992
GT_area: 32232
ST_area: 22763
Overlap_area: 22763
IOU: 0.7062236286919831
Centre Distance: 1.5
Category: True Positive

Frame: 178 Total Penalty: 223.678262353773
GT_area: 31725
ST_area: 22763
Overlap_area: 18518
IOU: 0.5148179038087295
Centre Distance: 25.0
Category: False Positive

Frame: 179 Total Penalty: 225.12864256625275
GT_area: 32480
ST_area: 22763
Overlap_area: 18816
IOU: 0.5165399291734153
Centre Distance: 25.5
Category: False Positive

Frame: 180 Total Penalty: 226.60844794595585
GT_area: 31740
ST_area: 22763
Overlap_area: 18330
IOU: 0.5067315400989688
Centre Distance: 26.5
Category: False Positive

Frame: 181 Total Penalty: 228.10332738242292
GT_area: 32665
ST_area: 22763
Overlap_area: 18518
IOU: 0.5017068545109726
Centre Distance: 27.0
Category: False Positive

Frame: 182 Total Penalty: 229.55801334560965
GT_area: 31373
ST_area: 22542
Overlap_area: 18330
IOU: 0.5151046789377547
Centre Distance: 25.5
Category: False Positive

Frame: 183 Total Penalty: 231.06286936878226
GT_area: 30324
ST_area: 22440

Overlap_area: 17550
IOU: 0.49838132560913273
Centre Distance: 27.5
Category: False Positive

Frame: 184 Total Penalty: 232.55207800187577
GT_area: 30228
ST_area: 22440
Overlap_area: 17640
IOU: 0.5035971223021583
Centre Distance: 27.0
Category: False Positive

Frame: 185 Total Penalty: 234.23343272948148
GT_area: 29900
ST_area: 22763
Overlap_area: 16080
IOU: 0.43954842413142714
Centre Distance: 36.5
Category: False Positive

Frame: 186 Total Penalty: 235.9194567536691
GT_area: 30030
ST_area: 22763
Overlap_area: 16080
IOU: 0.43799199193746086
Centre Distance: 36.5
Category: False Positive

Frame: 187 Total Penalty: 237.56181582281133
GT_area: 29106
ST_area: 22763
Overlap_area: 16160
IOU: 0.452546976952589
Centre Distance: 34.5
Category: False Positive

Frame: 188 Total Penalty: 239.20319897953192
GT_area: 29337
ST_area: 22763
Overlap_area: 16240
IOU: 0.45287228109314
Centre Distance: 35.0
Category: False Positive

Frame: 189 Total Penalty: 240.8433462776393
GT_area: 28044
ST_area: 22866
Overlap_area: 15879
IOU: 0.45328423396420314
Centre Distance: 34.0
Category: False Positive

Frame: 190 Total Penalty: 242.6076138522214

GT_area: 27830
ST_area: 22763
Overlap_area: 14760
IOU: 0.41191080847263695
Centre Distance: 40.0
Category: False Positive

Frame: 191 Total Penalty: 244.3793154345704
GT_area: 27830
ST_area: 22763
Overlap_area: 14697
IOU: 0.40943280588366393
Centre Distance: 41.0
Category: False Positive

Frame: 192 Total Penalty: 246.18952485865418
GT_area: 26216
ST_area: 22866
Overlap_area: 13938
IOU: 0.39659685863874344
Centre Distance: 40.5
Category: False Positive

Frame: 193 Total Penalty: 248.01292236467037
GT_area: 28044
ST_area: 22866
Overlap_area: 14342
IOU: 0.392200831327937
Centre Distance: 42.0
Category: False Positive

Frame: 194 Total Penalty: 249.61290456632562
GT_area: 26680
ST_area: 22763
Overlap_area: 15732
IOU: 0.4666725994482513
Centre Distance: 33.5
Category: False Positive

Frame: 195 Total Penalty: 251.25243340748273
GT_area: 27480
ST_area: 22866
Overlap_area: 15708
IOU: 0.4534903862809631
Centre Distance: 34.5
Category: False Positive

Frame: 196 Total Penalty: 252.94674984373464
GT_area: 27588
ST_area: 22866
Overlap_area: 15300
IOU: 0.4352278545826933
Centre Distance: 37.0
Category: False Positive

Frame: 197 Total Penalty: 254.61880028422522
GT_area: 27140
ST_area: 22969
Overlap_area: 15375
IOU: 0.4426498531698048
Centre Distance: 35.5
Category: False Positive

Frame: 198 Total Penalty: 256.396504446691
GT_area: 26096
ST_area: 22763
Overlap_area: 14144
IOU: 0.4074319458447357
Centre Distance: 39.5
Category: False Positive

Frame: 199 Total Penalty: 258.1986149652431
GT_area: 26565
ST_area: 22763
Overlap_area: 14076
IOU: 0.3992964938159537
Centre Distance: 41.0
Category: False Positive

Frame: 200 Total Penalty: 259.9955301323382
GT_area: 25942
ST_area: 22018
Overlap_area: 13728
IOU: 0.40102827763496146
Centre Distance: 39.0
Category: False Positive

Frame: 201 Total Penalty: 262.3851875524874
GT_area: 25680
ST_area: 7552
Overlap_area: 5618
IOU: 0.20344752661693344
Centre Distance: 30.0
Category: False Positive

Frame: 202 Total Penalty: 264.6838373910551
GT_area: 26076
ST_area: 7552
Overlap_area: 6372
IOU: 0.23378338714411506
Centre Distance: 20.5
Category: False Positive

Frame: 203 Total Penalty: 266.97842232419424
GT_area: 28548
ST_area: 8768
Overlap_area: 7104
IOU: 0.23513835562028332

Centre Distance: 22.5
Category: False Positive

Frame: 204 Total Penalty: 267.97842232419424
GT_area: 26244
ST_area: 0
Overlap_area: 67151
IOU: 0.23513835562028332
Centre Distance: 425.0
Category: False Negative

Frame: 205 Total Penalty: 268.97842232419424
GT_area: 26487
ST_area: 0
Overlap_area: 67151
IOU: 0.23513835562028332
Centre Distance: 425.5
Category: False Negative

Frame: 206 Total Penalty: 271.7552676007167
GT_area: 27440
ST_area: 2516
Overlap_area: 2074
IOU: 0.07438490782583745
Centre Distance: 32.0
Category: False Positive

Frame: 207 Total Penalty: 274.5812935072706
GT_area: 28431
ST_area: 1708
Overlap_area: 1652
IOU: 0.05799136448204444
Centre Distance: 36.5
Category: False Positive

Frame: 208 Total Penalty: 277.45484722627884
GT_area: 29040
ST_area: 1224
Overlap_area: 1224
IOU: 0.04214876033057851
Centre Distance: 21.0
Category: False Positive

Frame: 209 Total Penalty: 280.3656356080216
GT_area: 28920
ST_area: 860
Overlap_area: 860
IOU: 0.029737206085753802
Centre Distance: 18.0
Category: False Positive

Frame: 210 Total Penalty: 283.27891291894593
GT_area: 29750
ST_area: 860

Overlap_area: 860
IOU: 0.028907563025210085
Centre Distance: 13.5
Category: False Positive

Frame: 211 Total Penalty: 286.1900577047291
GT_area: 29036
ST_area: 860
Overlap_area: 860
IOU: 0.029618404738944757
Centre Distance: 14.0
Category: False Positive

Frame: 212 Total Penalty: 289.10827865164447
GT_area: 29274
ST_area: 798
Overlap_area: 798
IOU: 0.027259684361549498
Centre Distance: 16.0
Category: False Positive

Frame: 213 Total Penalty: 292.0198043194885
GT_area: 29161
ST_area: 860
Overlap_area: 860
IOU: 0.029491444051987243
Centre Distance: 16.5
Category: False Positive

Frame: 214 Total Penalty: 294.933769905723
GT_area: 29988
ST_area: 860
Overlap_area: 860
IOU: 0.028678137921835403
Centre Distance: 17.0
Category: False Positive

Frame: 215 Total Penalty: 297.76835151729324
GT_area: 30976
ST_area: 1708
Overlap_area: 1708
IOU: 0.055139462809917356
Centre Distance: 24.0
Category: False Positive

Frame: 216 Total Penalty: 300.6079006976211
GT_area: 34160
ST_area: 1827
Overlap_area: 1827
IOU: 0.05348360655737705
Centre Distance: 29.5
Category: False Positive

Frame: 217 Total Penalty: 301.6079006976211

GT_area: 35321
ST_area: 0
Overlap_area: 69741
IOU: 0.05348360655737705
Centre Distance: 440.5
Category: False Negative

Frame: 218 Total Penalty: 302.6079006976211
GT_area: 32943
ST_area: 0
Overlap_area: 69715
IOU: 0.05348360655737705
Centre Distance: 434.5
Category: False Negative

Frame: 219 Total Penalty: 303.48324634522646
GT_area: 35478
ST_area: 5194
Overlap_area: 4508
IOU: 0.1246543523946466
Centre Distance: 7.5
Category: True Positive

Frame: 220 Total Penalty: 305.6963515367489
GT_area: 34510
ST_area: 10934
Overlap_area: 9443
IOU: 0.2622982694925141
Centre Distance: 12.0
Category: False Positive

Frame: 221 Total Penalty: 307.14275446508907
GT_area: 31144
ST_area: 22763
Overlap_area: 18392
IOU: 0.5178656905532874
Centre Distance: 31.5
Category: False Positive

Frame: 222 Total Penalty: 308.6480751605592
GT_area: 28767
ST_area: 22763
Overlap_area: 17136
IOU: 0.4982264348432866
Centre Distance: 32.0
Category: False Positive

Frame: 223 Total Penalty: 310.02095651649137
GT_area: 28288
ST_area: 22763
Overlap_area: 17952
IOU: 0.5423728813559322
Centre Distance: 27.5
Category: False Positive

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Frame: 224 Total Penalty: 311.3654279437454  
GT_area: 27720  
ST_area: 22763  
Overlap_area: 17952  
IOU: 0.5518428575819987  
Centre Distance: 26.5  
Category: False Positive  
-----  
Frame: 225 Total Penalty: 312.5751809603993  
GT_area: 25272  
ST_area: 22763  
Overlap_area: 17952  
IOU: 0.596748994448692  
Centre Distance: 22.0  
Category: False Positive  
-----  
Frame: 226 Total Penalty: 313.8986629593246  
GT_area: 23653  
ST_area: 22763  
Overlap_area: 16640  
IOU: 0.5588393336915637  
Centre Distance: 26.0  
Category: False Positive  
-----  
Frame: 227 Total Penalty: 315.18134203662123  
GT_area: 23760  
ST_area: 22866  
Overlap_area: 16974  
IOU: 0.5724403075677863  
Centre Distance: 24.5  
Category: False Positive  
-----  
Frame: 228 Total Penalty: 316.5210786442061  
GT_area: 24198  
ST_area: 22866  
Overlap_area: 16767  
IOU: 0.5534211308050302  
Centre Distance: 26.0  
Category: False Positive  
-----  
Frame: 229 Total Penalty: 317.92555730060917  
GT_area: 24966  
ST_area: 23192  
Overlap_area: 16720  
IOU: 0.5318404478656403  
Centre Distance: 29.0  
Category: False Positive  
-----  
Frame: 230 Total Penalty: 319.33463369304656  
GT_area: 24725  
ST_area: 23192  
Overlap_area: 16605  
IOU: 0.5303078691875319
```

Centre Distance: 28.5
Category: False Positive

Frame: 231 Total Penalty: 320.76330482206345
GT_area: 24738
ST_area: 23296
Overlap_area: 16511
IOU: 0.5237762903276972
Centre Distance: 30.0
Category: False Positive

Frame: 232 Total Penalty: 322.2006189557307
GT_area: 25185
ST_area: 23400
Overlap_area: 16640
IOU: 0.5208952887775865
Centre Distance: 29.5
Category: False Positive

Frame: 233 Total Penalty: 323.6201020571224
GT_area: 25752
ST_area: 23400
Overlap_area: 16960
IOU: 0.5268389662027833
Centre Distance: 30.0
Category: False Positive

Frame: 234 Total Penalty: 325.06903822733517
GT_area: 26180
ST_area: 23730
Overlap_area: 17010
IOU: 0.5170212765957447
Centre Distance: 31.0
Category: False Positive

Frame: 235 Total Penalty: 326.6112174891981
GT_area: 27000
ST_area: 23730
Overlap_area: 16590
IOU: 0.4859402460456942
Centre Distance: 33.5
Category: False Positive

Frame: 236 Total Penalty: 328.1672901776634
GT_area: 27206
ST_area: 22763
Overlap_area: 16236
IOU: 0.48130910384489967
Centre Distance: 30.5
Category: False Positive

Frame: 237 Total Penalty: 329.76741516650367
GT_area: 26520
ST_area: 22763

Overlap_area: 15680
IOU: 0.46662500371990595
Centre Distance: 31.5
Category: False Positive

Frame: 238 Total Penalty: 331.33145605646155
GT_area: 26314
ST_area: 22866
Overlap_area: 15920
IOU: 0.47865303668069753
Centre Distance: 30.5
Category: False Positive

Frame: 239 Total Penalty: 332.835253524816
GT_area: 25086
ST_area: 22866
Overlap_area: 15957
IOU: 0.49873417721518987
Centre Distance: 27.0
Category: False Positive

Frame: 240 Total Penalty: 334.1522653045254
GT_area: 23647
ST_area: 22866
Overlap_area: 16716
IOU: 0.5609960734302111
Centre Distance: 21.0
Category: False Positive

Frame: 241 Total Penalty: 335.39220710154245
GT_area: 20855
ST_area: 22763
Overlap_area: 16128
IOU: 0.5866860676609676
Centre Distance: 16.0
Category: False Positive

Frame: 242 Total Penalty: 336.4754005803245
GT_area: 18576
ST_area: 22440
Overlap_area: 15990
IOU: 0.6389355070726445
Centre Distance: 12.0
Category: False Positive

Frame: 243 Total Penalty: 337.5200966470706
GT_area: 19135
ST_area: 22440
Overlap_area: 16405
IOU: 0.6517679777512912
Centre Distance: 10.5
Category: False Positive

Frame: 244 Total Penalty: 338.5336556871238

GT_area: 17200
ST_area: 22763
Overlap_area: 15920
IOU: 0.6621469866489207
Centre Distance: 10.5
Category: False Positive

Frame: 245 Total Penalty: 339.63448296634107
GT_area: 16125
ST_area: 22763
Overlap_area: 15075
IOU: 0.6330575735942552
Centre Distance: 13.0
Category: False Positive

Frame: 246 Total Penalty: 339.9321928900052
GT_area: 14688
ST_area: 15640
Overlap_area: 12512
IOU: 0.7022900763358778
Centre Distance: 7.5
Category: True Positive

Frame: 247 Total Penalty: 340.2976079544702
GT_area: 13082
ST_area: 15824
Overlap_area: 11222
IOU: 0.6345849355349469
Centre Distance: 6.0
Category: True Positive

Frame: 248 Total Penalty: 340.6662115971415
GT_area: 12660
ST_area: 15555
Overlap_area: 10920
IOU: 0.6313963573287077
Centre Distance: 3.5
Category: True Positive

Frame: 249 Total Penalty: 341.0699159360199
GT_area: 12369
ST_area: 15555
Overlap_area: 10431
IOU: 0.5962956611215915
Centre Distance: 5.0
Category: True Positive

Frame: 250 Total Penalty: 343.41293449937746
GT_area: 11077
ST_area: 2516
Overlap_area: 2442
IOU: 0.2189938122141512
Centre Distance: 10.5
Category: False Positive

Frame: 251 Total Penalty: 344.18939001017935
GT_area: 10850
ST_area: 2516
Overlap_area: 2442
IOU: 0.22354448919809594
Centre Distance: 9.0
Category: True Positive

Frame: 252 Total Penalty: 346.55047980296524
GT_area: 10128
ST_area: 2516
Overlap_area: 2220
IOU: 0.21297006907137375
Centre Distance: 11.0
Category: False Positive

Frame: 253 Total Penalty: 348.9780788128662
GT_area: 9030
ST_area: 2516
Overlap_area: 1850
IOU: 0.1908003300330033
Centre Distance: 13.5
Category: False Positive

Frame: 254 Total Penalty: 351.5095856621813
GT_area: 7752
ST_area: 2376
Overlap_area: 1368
IOU: 0.15616438356164383
Centre Distance: 16.5
Category: False Positive

Frame: 255 Total Penalty: 354.0490829691831
GT_area: 7904
ST_area: 2376
Overlap_area: 1368
IOU: 0.15350089766606823
Centre Distance: 16.5
Category: False Positive

Frame: 256 Total Penalty: 356.66395547263744
GT_area: 6501
ST_area: 2482
Overlap_area: 1022
IOU: 0.1283758321818867
Centre Distance: 19.5
Category: False Positive

Frame: 257 Total Penalty: 359.26266477155207
GT_area: 5070
ST_area: 2660
Overlap_area: 912
IOU: 0.1337635670284541

Centre Distance: 18.5
Category: False Positive

Frame: 258 Total Penalty: 361.89634086409706
GT_area: 4324
ST_area: 2660
Overlap_area: 760
IOU: 0.12210796915167095
Centre Distance: 19.0
Category: False Positive

Frame: 259 Total Penalty: 362.89634086409706
GT_area: 2499
ST_area: 0
Overlap_area: 210
IOU: 0.12210796915167095
Centre Distance: 9.5
Category: False Negative

Frame: 260 Total Penalty: 363.89634086409706
GT_area: 780
ST_area: 0
Overlap_area: 217
IOU: 0.12210796915167095
Centre Distance: 6.0
Category: False Negative

Frame: 261 Total Penalty: 364.89634086409706
GT_area: 870
ST_area: 0
Overlap_area: 217
IOU: 0.12210796915167095
Centre Distance: 6.0
Category: False Negative

Frame: 262 Total Penalty: 365.89634086409706
GT_area: 296
ST_area: 0
Overlap_area: 220
IOU: 0.12210796915167095
Centre Distance: 5.0
Category: False Negative

Frame: 263 Total Penalty: 365.89634086409706
GT_area: 12
ST_area: 0
Overlap_area: 54516
IOU: 0.12210796915167095
Centre Distance: 355.5
Category: True Negative

Frame: 264 Total Penalty: 365.89634086409706
GT_area: 9
ST_area: 0

Overlap_area: 57078
IOU: 0.12210796915167095
Centre Distance: 379.5
Category: True Negative

Frame: 265 Total Penalty: 365.89634086409706
GT_area: 6
ST_area: 0
Overlap_area: 56392
IOU: 0.12210796915167095
Centre Distance: 372.5
Category: True Negative

Frame: 266 Total Penalty: 365.89634086409706
GT_area: 20
ST_area: 0
Overlap_area: 57442
IOU: 0.12210796915167095
Centre Distance: 375.0
Category: True Negative

Frame: 267 Total Penalty: 365.89634086409706
GT_area: 12
ST_area: 0
Overlap_area: 60053
IOU: 0.12210796915167095
Centre Distance: 374.0
Category: True Negative

Frame: 268 Total Penalty: 365.89634086409706
GT_area: 2
ST_area: 0
Overlap_area: 58188
IOU: 0.12210796915167095
Centre Distance: 373.5
Category: True Negative

Frame: 269 Total Penalty: 365.89634086409706
GT_area: 2
ST_area: 0
Overlap_area: 58989
IOU: 0.12210796915167095
Centre Distance: 372.0
Category: True Negative

Frame: 270 Total Penalty: 365.89634086409706
GT_area: 16
ST_area: 0
Overlap_area: 62040
IOU: 0.12210796915167095
Centre Distance: 378.0
Category: True Negative

Frame: 271 Total Penalty: 365.89634086409706

GT_area: 20
ST_area: 0
Overlap_area: 59892
IOU: 0.12210796915167095
Centre Distance: 374.5
Category: True Negative

Frame: 272 Total Penalty: 366.89634086409706
GT_area: 3800
ST_area: 0
Overlap_area: 217
IOU: 0.12210796915167095
Centre Distance: 11.0
Category: False Negative

Frame: 273 Total Penalty: 367.89634086409706
GT_area: 7175
ST_area: 0
Overlap_area: 208
IOU: 0.12210796915167095
Centre Distance: 18.5
Category: False Negative

Frame: 274 Total Penalty: 368.89634086409706
GT_area: 7420
ST_area: 0
Overlap_area: 207
IOU: 0.12210796915167095
Centre Distance: 18.5
Category: False Negative

Frame: 275 Total Penalty: 369.69457662993506
GT_area: 12470
ST_area: 2516
Overlap_area: 2516
IOU: 0.20176423416198877
Centre Distance: 7.0
Category: True Positive

Frame: 276 Total Penalty: 370.7295944355989
GT_area: 16275
ST_area: 22763
Overlap_area: 15450
IOU: 0.654994064778701
Centre Distance: 13.0
Category: False Positive

Frame: 277 Total Penalty: 372.0006025351072
GT_area: 20832
ST_area: 22763
Overlap_area: 15939
IOU: 0.576330633497252
Centre Distance: 22.5
Category: False Positive

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Frame: 278 Total Penalty: 373.5269183245809  
GT_area: 25857  
ST_area: 22763  
Overlap_area: 16016  
IOU: 0.49122807017543857  
Centre Distance: 33.0  
Category: False Positive  
-----  
Frame: 279 Total Penalty: 375.1255082722725  
GT_area: 28416  
ST_area: 23192  
Overlap_area: 16432  
IOU: 0.46713668410279735  
Centre Distance: 37.0  
Category: False Positive  
-----  
Frame: 280 Total Penalty: 376.74508281336017  
GT_area: 27875  
ST_area: 23192  
Overlap_area: 16093  
IOU: 0.46014181963744494  
Centre Distance: 37.5  
Category: False Positive  
-----  
Frame: 281 Total Penalty: 378.4111283795497  
GT_area: 27875  
ST_area: 23296  
Overlap_area: 15750  
IOU: 0.44465147793681714  
Centre Distance: 39.5  
Category: False Positive  
-----  
Frame: 282 Total Penalty: 380.04570820568466  
GT_area: 28892  
ST_area: 23835  
Overlap_area: 16492  
IOU: 0.4551400579550159  
Centre Distance: 38.5  
Category: False Positive  
-----  
Frame: 283 Total Penalty: 381.64794339617134  
GT_area: 28980  
ST_area: 24274  
Overlap_area: 16926  
IOU: 0.4659216031711077  
Centre Distance: 38.0  
Category: False Positive  
-----  
Frame: 284 Total Penalty: 383.2849130456106  
GT_area: 30916  
ST_area: 24717  
Overlap_area: 17380  
IOU: 0.45434345018691347
```

Centre Distance: 40.0
Category: False Positive

Frame: 285 Total Penalty: 384.9919574516899
GT_area: 27798
ST_area: 22763
Overlap_area: 15228
IOU: 0.43098519797356577
Centre Distance: 32.0
Category: False Positive

Frame: 286 Total Penalty: 386.6802807631149
GT_area: 28625
ST_area: 22763
Overlap_area: 15633
IOU: 0.43722556285834147
Centre Distance: 33.0
Category: False Positive

Frame: 287 Total Penalty: 388.2680494721619
GT_area: 28413
ST_area: 22763
Overlap_area: 16380
IOU: 0.47074376365099435
Centre Distance: 29.0
Category: False Positive

Frame: 288 Total Penalty: 388.5111815718013
GT_area: 29358
ST_area: 22763
Overlap_area: 22454
IOU: 0.7568679003606701
Centre Distance: 10.5
Category: True Positive

Frame: 289 Total Penalty: 388.735232911087
GT_area: 27951
ST_area: 22969
Overlap_area: 22248
IOU: 0.7759486607142857
Centre Distance: 9.0
Category: True Positive

Frame: 290 Total Penalty: 388.9735073365674
GT_area: 29140
ST_area: 23296
Overlap_area: 22672
IOU: 0.7617255745195538
Centre Distance: 8.0
Category: True Positive

Frame: 291 Total Penalty: 389.1995604532466
GT_area: 28670
ST_area: 23296

Overlap_area: 22672
IOU: 0.7739468833208165
Centre Distance: 9.0
Category: True Positive

Frame: 292 Total Penalty: 389.3762521825699
GT_area: 27144
ST_area: 23296
Overlap_area: 22776
IOU: 0.8233082706766918
Centre Distance: 6.0
Category: True Positive

Frame: 293 Total Penalty: 389.56730711694036
GT_area: 28798
ST_area: 23296
Overlap_area: 23296
IOU: 0.8089450656295576
Centre Distance: 7.5
Category: True Positive

Frame: 294 Total Penalty: 389.79478095639536
GT_area: 27612
ST_area: 22866
Overlap_area: 22000
IOU: 0.7725261605449821
Centre Distance: 10.0
Category: True Positive

Frame: 295 Total Penalty: 390.0396162143676
GT_area: 27261
ST_area: 22440
Overlap_area: 21384
IOU: 0.7551647420277572
Centre Distance: 10.5
Category: True Positive

Frame: 296 Total Penalty: 390.2647045401663
GT_area: 24804
ST_area: 21917
Overlap_area: 20398
IOU: 0.7749116742012688
Centre Distance: 9.5
Category: True Positive

Frame: 297 Total Penalty: 392.1329680132202
GT_area: 23000
ST_area: 15640
Overlap_area: 10584
IOU: 0.3772455089820359
Centre Distance: 20.5
Category: False Positive

Frame: 298 Total Penalty: 393.87632234224765

GT_area: 24232
ST_area: 15640
Overlap_area: 11771
IOU: 0.41888189032418777
Centre Distance: 15.5
Category: False Positive

Frame: 299 Total Penalty: 395.77175127148996
GT_area: 23690
ST_area: 15640
Overlap_area: 10584
IOU: 0.3681903569192235
Centre Distance: 22.0
Category: False Positive

Frame: 300 Total Penalty: 397.69067019040887
GT_area: 23587
ST_area: 15824
Overlap_area: 10440
IOU: 0.36036036036036034
Centre Distance: 22.5
Category: False Positive

Frame: 301 Total Penalty: 399.61081012044383
GT_area: 25179
ST_area: 15640
Overlap_area: 10804
IOU: 0.35995335665500583
Centre Distance: 24.0
Category: False Positive

Frame: 302 Total Penalty: 401.4604249544475
GT_area: 24948
ST_area: 15640
Overlap_area: 11250
IOU: 0.38346172199877293
Centre Distance: 21.5
Category: False Positive

Frame: 303 Total Penalty: 403.33011943876164
GT_area: 24732
ST_area: 15555
Overlap_area: 11025
IOU: 0.37676850522862415
Centre Distance: 21.5
Category: False Positive

Frame: 304 Total Penalty: 405.22219363774985
GT_area: 25312
ST_area: 15288
Overlap_area: 10950
IOU: 0.36930860033726814
Centre Distance: 23.0
Category: False Positive

Frame: 305 Total Penalty: 407.05557916859857
GT_area: 24624
ST_area: 15288
Overlap_area: 11175
IOU: 0.38887148971708946
Centre Distance: 21.0
Category: False Positive

Frame: 306 Total Penalty: 408.3102621657167
GT_area: 25538
ST_area: 22763
Overlap_area: 17765
IOU: 0.5817723342939481
Centre Distance: 23.0
Category: False Positive

Frame: 307 Total Penalty: 409.4425622403284
GT_area: 25080
ST_area: 22763
Overlap_area: 18357
IOU: 0.6225666417961067
Centre Distance: 19.5
Category: False Positive

Frame: 308 Total Penalty: 410.6978952905391
GT_area: 25650
ST_area: 22763
Overlap_area: 17802
IOU: 0.5815556499297638
Centre Distance: 22.5
Category: False Positive

Frame: 309 Total Penalty: 411.86641824255327
GT_area: 23976
ST_area: 22440
Overlap_area: 17595
IOU: 0.6104923493286145
Centre Distance: 20.0
Category: False Positive

Frame: 310 Total Penalty: 413.0364872176804
GT_area: 24198
ST_area: 22018
Overlap_area: 17510
IOU: 0.6099770082909496
Centre Distance: 20.0
Category: False Positive

Frame: 311 Total Penalty: 414.184873417868
GT_area: 24530
ST_area: 22018
Overlap_area: 17765
IOU: 0.6172045999374631

Centre Distance: 20.5
Category: False Positive

Frame: 312 Total Penalty: 415.32843561847767
GT_area: 23108
ST_area: 21500
Overlap_area: 17052
IOU: 0.6188125997967775
Centre Distance: 19.0
Category: False Positive

Frame: 313 Total Penalty: 416.5368782356181
GT_area: 23976
ST_area: 21087
Overlap_area: 16849
IOU: 0.5971857942865244
Centre Distance: 22.0
Category: False Positive

Frame: 314 Total Penalty: 417.72657203696235
GT_area: 22360
ST_area: 20580
Overlap_area: 16160
IOU: 0.6034353995519044
Centre Distance: 21.0
Category: False Positive

Frame: 315 Total Penalty: 418.8295014491752
GT_area: 22578
ST_area: 20273
Overlap_area: 16600
IOU: 0.6323568625957107
Centre Distance: 18.5
Category: False Positive

Frame: 316 Total Penalty: 419.1277215726768
GT_area: 21840
ST_area: 15640
Overlap_area: 15456
IOU: 0.7017798764983654
Centre Distance: 10.5
Category: True Positive

Frame: 317 Total Penalty: 420.17611141762484
GT_area: 23108
ST_area: 15640
Overlap_area: 15272
IOU: 0.650536718350656
Centre Distance: 14.0
Category: False Positive

Frame: 318 Total Penalty: 421.16080394863565
GT_area: 22366
ST_area: 15640

Overlap_area: 15272
IOU: 0.6717691563297264
Centre Distance: 12.5
Category: False Positive

Frame: 319 Total Penalty: 422.2567852205826
GT_area: 22152
ST_area: 15555
Overlap_area: 14640
IOU: 0.6346729093510209
Centre Distance: 14.5
Category: False Positive

Frame: 320 Total Penalty: 423.93362647907384
GT_area: 21311
ST_area: 10934
Overlap_area: 9869
IOU: 0.4410529138362531
Centre Distance: 12.0
Category: False Positive

Frame: 321 Total Penalty: 425.6763804214578
GT_area: 21424
ST_area: 10792
Overlap_area: 9514
IOU: 0.41908201920535637
Centre Distance: 13.0
Category: False Positive

Frame: 322 Total Penalty: 428.5426392986544
GT_area: 19291
ST_area: 860
Overlap_area: 860
IOU: 0.04458037426779327
Centre Distance: 32.5
Category: False Positive

Frame: 323 Total Penalty: 431.40982376467383
GT_area: 18025
ST_area: 798
Overlap_area: 798
IOU: 0.044271844660194175
Centre Distance: 33.0
Category: False Positive

Frame: 324 Total Penalty: 434.2635448938441
GT_area: 16366
ST_area: 798
Overlap_area: 798
IOU: 0.04875962360992301
Centre Distance: 31.5
Category: False Positive

Frame: 325 Total Penalty: 437.0813028934203

GT_area: 14157
ST_area: 860
Overlap_area: 860
IOU: 0.0607473334746062
Centre Distance: 32.5
Category: False Positive

Frame: 326 Total Penalty: 439.8759151103043
GT_area: 11656
ST_area: 798
Overlap_area: 798
IOU: 0.06846259437199725
Centre Distance: 36.5
Category: False Positive

Frame: 327 Total Penalty: 442.6846850301043
GT_area: 9434
ST_area: 779
Overlap_area: 612
IOU: 0.06374336006665972
Centre Distance: 37.0
Category: False Positive

Frame: 328 Total Penalty: 443.6846850301043
GT_area: 7482
ST_area: 0
Overlap_area: 41907
IOU: 0.06374336006665972
Centre Distance: 272.0
Category: False Negative

Frame: 329 Total Penalty: 444.6846850301043
GT_area: 7138
ST_area: 0
Overlap_area: 41630
IOU: 0.06374336006665972
Centre Distance: 273.0
Category: False Negative

Frame: 330 Total Penalty: 445.6846850301043
GT_area: 6622
ST_area: 0
Overlap_area: 41907
IOU: 0.06374336006665972
Centre Distance: 272.0
Category: False Negative

Frame: 331 Total Penalty: 446.6846850301043
GT_area: 5146
ST_area: 0
Overlap_area: 41907
IOU: 0.06374336006665972
Centre Distance: 270.5
Category: False Negative

Frame: 332 Total Penalty: 447.6846850301043
GT_area: 3936
ST_area: 0
Overlap_area: 41907
IOU: 0.06374336006665972
Centre Distance: 270.0
Category: False Negative

Frame: 333 Total Penalty: 448.6846850301043
GT_area: 3159
ST_area: 0
Overlap_area: 41907
IOU: 0.06374336006665972
Centre Distance: 269.5
Category: False Negative

Frame: 334 Total Penalty: 449.6846850301043
GT_area: 2496
ST_area: 0
Overlap_area: 42090
IOU: 0.06374336006665972
Centre Distance: 269.0
Category: False Negative

Frame: 335 Total Penalty: 450.6846850301043
GT_area: 1800
ST_area: 0
Overlap_area: 42273
IOU: 0.06374336006665972
Centre Distance: 268.5
Category: False Negative

Frame: 336 Total Penalty: 451.6846850301043
GT_area: 1425
ST_area: 0
Overlap_area: 42273
IOU: 0.06374336006665972
Centre Distance: 268.5
Category: False Negative

Frame: 337 Total Penalty: 452.6846850301043
GT_area: 1554
ST_area: 0
Overlap_area: 41630
IOU: 0.06374336006665972
Centre Distance: 267.0
Category: False Negative

Frame: 338 Total Penalty: 453.6846850301043
GT_area: 1065
ST_area: 0
Overlap_area: 42273
IOU: 0.06374336006665972

Centre Distance: 266.5
Category: False Negative

Frame: 339 Total Penalty: 454.6846850301043
GT_area: 368
ST_area: 0
Overlap_area: 43005
IOU: 0.06374336006665972
Centre Distance: 258.0
Category: False Negative

Frame: 340 Total Penalty: 454.6846850301043
GT_area: 8
ST_area: 0
Overlap_area: 61985
IOU: 0.06374336006665972
Centre Distance: 387.0
Category: True Negative

Frame: 341 Total Penalty: 454.6846850301043
GT_area: 6
ST_area: 0
Overlap_area: 66360
IOU: 0.06374336006665972
Centre Distance: 396.0
Category: True Negative

Frame: 342 Total Penalty: 454.6846850301043
GT_area: 0
ST_area: 0
Overlap_area: 72890
IOU: 0.06374336006665972
Centre Distance: 395.5
Category: True Negative

Frame: 343 Total Penalty: 454.6846850301043
GT_area: 3
ST_area: 0
Overlap_area: 80730
IOU: 0.06374336006665972
Centre Distance: 415.5
Category: True Negative

Frame: 344 Total Penalty: 454.6846850301043
GT_area: 9
ST_area: 0
Overlap_area: 83000
IOU: 0.06374336006665972
Centre Distance: 416.5
Category: True Negative

Frame: 345 Total Penalty: 454.6846850301043
GT_area: 8
ST_area: 0

Overlap_area: 86456
IOU: 0.06374336006665972
Centre Distance: 406.0
Category: True Negative

Frame: 346 Total Penalty: 454.6846850301043
GT_area: 12
ST_area: 0
Overlap_area: 82820
IOU: 0.06374336006665972
Centre Distance: 406.0
Category: True Negative

Frame: 347 Total Penalty: 454.6846850301043
GT_area: 8
ST_area: 0
Overlap_area: 96140
IOU: 0.06374336006665972
Centre Distance: 439.0
Category: True Negative

Frame: 348 Total Penalty: 454.6846850301043
GT_area: 6
ST_area: 0
Overlap_area: 101926
IOU: 0.06374336006665972
Centre Distance: 452.5
Category: True Negative

Frame: 349 Total Penalty: 454.6846850301043
GT_area: 8
ST_area: 0
Overlap_area: 105434
IOU: 0.06374336006665972
Centre Distance: 445.0
Category: True Negative

Frame: 350 Total Penalty: 454.6846850301043
GT_area: 8
ST_area: 0
Overlap_area: 92020
IOU: 0.06374336006665972
Centre Distance: 430.0
Category: True Negative

Frame: 351 Total Penalty: 454.6846850301043
GT_area: 6
ST_area: 0
Overlap_area: 95424
IOU: 0.06374336006665972
Centre Distance: 427.5
Category: True Negative

Frame: 352 Total Penalty: 454.6846850301043

GT_area: 8
ST_area: 0
Overlap_area: 97014
IOU: 0.06374336006665972
Centre Distance: 438.0
Category: True Negative

Frame: 353 Total Penalty: 454.6846850301043
GT_area: 8
ST_area: 0
Overlap_area: 95076
IOU: 0.06374336006665972
Centre Distance: 419.0
Category: True Negative

Frame: 354 Total Penalty: 454.6846850301043
GT_area: 8
ST_area: 0
Overlap_area: 94300
IOU: 0.06374336006665972
Centre Distance: 412.0
Category: True Negative

Frame: 355 Total Penalty: 454.6846850301043
GT_area: 8
ST_area: 0
Overlap_area: 86528
IOU: 0.06374336006665972
Centre Distance: 418.0
Category: True Negative

Frame: 356 Total Penalty: 454.6846850301043
GT_area: 8
ST_area: 0
Overlap_area: 101430
IOU: 0.06374336006665972
Centre Distance: 443.0
Category: True Negative

Frame: 357 Total Penalty: 454.6846850301043
GT_area: 12
ST_area: 0
Overlap_area: 99992
IOU: 0.06374336006665972
Centre Distance: 433.0
Category: True Negative

Frame: 358 Total Penalty: 454.6846850301043
GT_area: 8
ST_area: 0
Overlap_area: 113126
IOU: 0.06374336006665972
Centre Distance: 460.0
Category: True Negative

Frame: 359 Total Penalty: 454.6846850301043
GT_area: 8
ST_area: 0
Overlap_area: 102907
IOU: 0.06374336006665972
Centre Distance: 429.0
Category: True Negative

Frame: 360 Total Penalty: 454.6846850301043
GT_area: 12
ST_area: 0
Overlap_area: 112941
IOU: 0.06374336006665972
Centre Distance: 425.0
Category: True Negative

Frame: 361 Total Penalty: 454.6846850301043
GT_area: 6
ST_area: 0
Overlap_area: 109140
IOU: 0.06374336006665972
Centre Distance: 429.5
Category: True Negative

Frame: 362 Total Penalty: 454.6846850301043
GT_area: 9
ST_area: 0
Overlap_area: 96820
IOU: 0.06374336006665972
Centre Distance: 413.5
Category: True Negative

Frame: 363 Total Penalty: 454.6846850301043
GT_area: 6
ST_area: 0
Overlap_area: 99875
IOU: 0.06374336006665972
Centre Distance: 426.5
Category: True Negative

Frame: 364 Total Penalty: 454.6846850301043
GT_area: 0
ST_area: 0
Overlap_area: 99680
IOU: 0.06374336006665972
Centre Distance: 446.0
Category: True Negative

Frame: 365 Total Penalty: 454.6846850301043
GT_area: 9
ST_area: 0
Overlap_area: 99296
IOU: 0.06374336006665972

Centre Distance: 429.5
Category: True Negative

Frame: 366 Total Penalty: 454.6846850301043
GT_area: 8
ST_area: 0
Overlap_area: 97520
IOU: 0.06374336006665972
Centre Distance: 426.0
Category: True Negative

Frame: 367 Total Penalty: 454.6846850301043
GT_area: 9
ST_area: 0
Overlap_area: 104160
IOU: 0.06374336006665972
Centre Distance: 435.5
Category: True Negative

Frame: 368 Total Penalty: 454.6846850301043
GT_area: 4
ST_area: 0
Overlap_area: 115101
IOU: 0.06374336006665972
Centre Distance: 442.0
Category: True Negative

Frame: 369 Total Penalty: 454.6846850301043
GT_area: 6
ST_area: 0
Overlap_area: 98935
IOU: 0.06374336006665972
Centre Distance: 422.5
Category: True Negative

Frame: 370 Total Penalty: 454.6846850301043
GT_area: 8
ST_area: 0
Overlap_area: 114879
IOU: 0.06374336006665972
Centre Distance: 449.0
Category: True Negative

Frame: 371 Total Penalty: 454.6846850301043
GT_area: 8
ST_area: 0
Overlap_area: 118350
IOU: 0.06374336006665972
Centre Distance: 452.0
Category: True Negative

Frame: 372 Total Penalty: 455.6846850301043
GT_area: 5544
ST_area: 0

Overlap_area: 40515
IOU: 0.06374336006665972
Centre Distance: 261.0
Category: False Negative

Frame: 373 Total Penalty: 458.5220321490048
GT_area: 15862
ST_area: 860
Overlap_area: 860
IOU: 0.05421762703316101
Centre Distance: 33.5
Category: False Positive

Frame: 374 Total Penalty: 461.3566475336202
GT_area: 15600
ST_area: 860
Overlap_area: 860
IOU: 0.05512820512820513
Centre Distance: 32.0
Category: False Positive

Frame: 375 Total Penalty: 464.2332261788556
GT_area: 20904
ST_area: 860
Overlap_area: 860
IOU: 0.041140451588212786
Centre Distance: 33.0
Category: False Positive

Frame: 376 Total Penalty: 464.8357707081177
GT_area: 22018
ST_area: 10934
Overlap_area: 9372
IOU: 0.3974554707379135
Centre Distance: 7.0
Category: True Positive

Frame: 377 Total Penalty: 466.63371854907535
GT_area: 21828
ST_area: 10934
Overlap_area: 9372
IOU: 0.4006840530141086
Centre Distance: 14.0
Category: False Positive

Frame: 378 Total Penalty: 468.4688083694346
GT_area: 23843
ST_area: 10934
Overlap_area: 9727
IOU: 0.3883033932135729
Centre Distance: 13.0
Category: False Positive

Frame: 379 Total Penalty: 470.31468820795277

GT_area: 23826
ST_area: 11160
Overlap_area: 9720
IOU: 0.38470672049394444
Centre Distance: 14.0
Category: False Positive

Frame: 380 Total Penalty: 472.1281129643584
GT_area: 23643
ST_area: 11160
Overlap_area: 9864
IOU: 0.3955250811981234
Centre Distance: 12.5
Category: False Positive

Frame: 381 Total Penalty: 473.9918024663458
GT_area: 24150
ST_area: 11232
Overlap_area: 9720
IOU: 0.37877016600420854
Centre Distance: 12.5
Category: False Positive

Frame: 382 Total Penalty: 475.8891656856797
GT_area: 25134
ST_area: 11534
Overlap_area: 9855
IOU: 0.3675455935553649
Centre Distance: 12.5
Category: False Positive

Frame: 383 Total Penalty: 477.77826137212594
GT_area: 26015
ST_area: 11534
Overlap_area: 10147
IOU: 0.37030143785125175
Centre Distance: 12.0
Category: False Positive

Frame: 384 Total Penalty: 479.6951825051153
GT_area: 26937
ST_area: 11840
Overlap_area: 10286
IOU: 0.361026289003545
Centre Distance: 11.5
Category: False Positive

Frame: 385 Total Penalty: 480.74244544259665
GT_area: 26908
ST_area: 22763
Overlap_area: 19584
IOU: 0.6509123541728986
Centre Distance: 11.5
Category: False Positive

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Frame: 386 Total Penalty: 481.80595652707837  
      GT_area: 26568  
      ST_area: 22866  
      Overlap_area: 19392  
      IOU: 0.6454963051727581  
      Centre Distance: 12.0  
      Category: False Positive
```

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Frame: 387 Total Penalty: 482.8813010008397  
      GT_area: 27528  
      ST_area: 22866  
      Overlap_area: 19695  
      IOU: 0.6415518420795465  
      Centre Distance: 12.5  
      Category: False Positive
```

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Total Penalty: 482.8813010008397  
True Positive: 79  
False Positive: 242  
True Negative: 41  
False Negative: 24  
Average Time: 0.056676823240487686  
>>>
```