

DAFTAR PUSTAKA

- [1]U. Singh, J.-F. Determe, F. Horlin, and P. De Doncker, “Crowd Monitoring: State-of-the-Art and Future Directions,” IETE Technical Review, 2020. doi: 10.1080/02564602.2020.1803152.
- [2]V.W.H Wong and K.H Law, “Fusion of CCTV Video and Spatial Information for Automated Crowd Congestion Monitoring in Public Urban Spaces”, Algorithms, vol. 16, no.3, 2023
- [3]J. Singh and S. Shweta, “Video Based Human Activity Recognition Surveillance System”, international journal of engineering technology and management sciences, vol. 6, no. 4, pp. 33-40. 2022.
- [4]J. Dong, Z. Zhao, and T. Wang, “Crowd Counting by Multi-Scale Dilated Convolution Networks,” Electronics, vol. 12, no. 12, 2023. doi: 10.3390/electronics12122624.
- [5] L. Rong and C. Li, “Coarse- and Fine-Grained Attention Network With Background-Aware Loss for Crowd Density Map Estimation,” in Proc. IEEE Winter Conf. Appl. Comput. Vision (WACV), 2021. doi: 10.48550/arXiv.2011.03721.
- [6] R. Khanam and M. Hussain, “YOLOv11: An overview of the key architectural enhancements,” arXiv preprint arXiv:2410.17725, 2024. doi: 10.48550/arXiv.2410.17725.
- [7] M. A. Mohammed Ali, T. Aly, A. T. Raslan, M. Gheith, and E. A. Amin, “Advancing Crowd Object Detection: A Review of YOLO, CNN, and ViTs Hybrid Approach,” Journal of Intelligent Learning Systems and Applications, vol. 16, no. 3, 2024. doi: 10.4236/jilsa.2024.163011.
- [8]M. Ş. Gündüz and G. Işık, “A new YOLO-based method for real-time crowd detection from video and performance analysis of YOLO models,” Journal of Real-Time Image Processing, Springer, 2023. doi: 10.1007/s11554-023-01276-w.

- [9] Y. Mao, "A pedestrian detection algorithm for low light and dense crowd based on improved YOLO algorithm," *MATEC Web of Conf.*, vol. 355, 03020, 2022. doi: 10.1051/matecconf/202235503020.
- [10] Z. Zou, K. Chen, Z. Shi, Y. Guo, and J. Ye, "Object detection in 20 years: A survey," *arXiv preprint arXiv:1905.05055v3*, 2023. doi: 10.48550/arXiv.1905.05055.
- [11] H. D. Trung, "Estimation of Crowd Density Using Image Processing Techniques with Background Pixel Model and Visual Geometry Group," *Buletin Ilmiah Sarjana Teknik Elektro*, vol. 6, no. 2, pp. 142–154, 2024. doi: 10.12928/biste.v6i2.10785.
- [12] X. Zhang, Y. Sun, Q. Li, X. Li, and X. Shi, "People Counting for Public Transportations Using YOLO," *ISPRS Int. J. Geo-Inf.*, vol. 12, no. 2, pp. 56, 2023. doi: 10.3390/ijgi12020056.
- [13] M. A. Khan, H. Menouar, and R. Hamila, "LCDnet: A Lightweight Crowd Density Estimation Model for Real-Time Video Surveillance," *Journal of Real-Time Image Processing*, 2023. doi: 10.1007/s11554-023-01286-8.
- [14] Y. Ranasinghe, N. G. Nair, W. G. C. Bandara, and V. M. Patel, "CrowdDiff: Multi-hypothesis Crowd Density Estimation Using Diffusion Models," in *Proc. IEEE/CVF Conf. Comput. Vision Pattern Recognit. (CVPR)*, 2024.
- [15] V. A. Sindagi, R. Yasarla, and V. M. Patel, "JHU-CROWD++: Large-scale crowd counting dataset and a benchmark method," *arXiv preprint arXiv:2004.03597*, 2020. doi: 10.48550/arXiv.2004.03597.
- [16] H. Zhang and Q. Li, "Boosting-based methods in machine learning: From gradient to xgboost," *ACM Transactions on Data Science*, vol. 7, no. 3, pp. 231–250, 2023.
- [17] J. Kang, S. Tariq, H. Oh, and S. S. Woo, "A Survey of Deep Learning-Based Object Detection Methods and Datasets for Overhead Imagery," in *IEEE Access*, vol. 10, pp. 20118–20134, 2022.

- [18] Y. Hao, H. Du, M. Mao, Y. Liu, and J. Fan, "A Survey on Regression-Based Crowd Counting Techniques", *Information Technology and Control*, vol. 53, no. 3, pp. 693-712, 2023.
- [19] I. J. C. Valencia, E. P. Dadios, A. M. Fillone, J. C. V. Puno, R. G. Baldovino and R. K. C. Billones, "Vision-based Crowd Counting and Social Distancing Monitoring using Tiny-YOLOv4 and DeepSORT," *2021 IEEE International Smart Cities Conference (ISC2)*, Manchester, United Kingdom, 2021, pp. 1-7
- [20] Z. Dang and X. Wang, "FD-YOLO11: A Feature-Enhanced Deep Learning Model for Steel Surface Defect Detection," in *IEEE Access*, 2025.
- [21] N. Jegham, C. Y. Koh, M. Abdelatti, and A. Hendawi, "YOLO Evolution: A Comprehensive Benchmark and Architectural Review of YOLOv12, YOLO11, and Their Previous Versions," *arXiv preprint arXiv:2411.00201*, 2025.
- [22] N. Carion, F. Massa, G. Synnaeve, N. Usunier, A. Kirillov, and S. Zagoruyko, "End-to-End Object Detection with Transformers," in *Proc. Eur. Conf. Comput. Vis. (ECCV)*, pp. 213–229, 2020.
- [23] S. Karim, Y. Zhang, S. Yin, I. Bibi, A. A. Brohi, "A brief review and challenges of object detection in optical remote sensing imagery", in *Multiagent and Grid Systems*, vol. 16, no. 3, pp. 227-243, 2020. doi:10.3233/MGS-200330