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Muhammad Kimi Patria, Wahyono, S. Kom., Ph.D.
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REFERENCE

Cai, Y., Bian, H., Lin, J., Wang, H., Timofte, R. and Zhang, Y. (2023) 'Retinexformer: One-stage Retinex-based transformer for low-light image enhancement', in *Proceedings of the IEEE/CVF International Conference on Computer Vision (ICCV)*. doi: 10.1109/iccv51070.2023.01149.

Cho, H., Kim, J. and Park, K. (2018) 'Face detection in nighttime images using visible-light camera sensors with two-step faster region-based convolutional neural network', *Sensors*, 18(9), p. 2995. doi: 10.3390/s18092995.

Du, Z., Shi, M. and Deng, J. (2024) 'Boosting object detection with zero-shot day-night domain adaptation', *arXiv preprint arXiv:2312.01220*. Available at: https://arxiv.org/abs/2312.01220 (Accessed: 27 April 2026).

Fatima, M., Agnihotri, S., Bock, M., Gandikota, K.V., Van Laerhoven, K., Moeller, M. and Keuper, M. (2025) 'γ-Quant: Towards learnable quantization for low-bit pattern recognition', *arXiv preprint arXiv:2509.22448*. Available at: https://arxiv.org/abs/2509.22448 (Accessed: 27 April 2026).

Han, Z., Yue, Z. and Liu, L. (2024) '3L-YOLO: A lightweight low-light object detection algorithm', *Applied Sciences*, 15(1), p. 90. doi: 10.3390/app15010090.

Kim, J.H., Hong, H.G. and Park, K.R. (2017) 'Convolutional neural network-based human detection in nighttime images using visible light camera sensors', *Sensors*, 17(5), p. 1065. doi: 10.3390/s17051065.

Lin, X., Ren, P., Yeh, C.-H., Yao, L., Song, A. and Chang, X. (2021) 'Unsupervised person re-identification: A systematic survey of challenges and solutions', *arXiv preprint arXiv:2109.06057*. Available at: https://arxiv.org/abs/2109.06057 (Accessed: 27 April 2026).

Liu, Y., Li, S., Zhou, L., Liu, H. and Li, Z. (2025) 'Dark-YOLO: A low-light object detection algorithm integrating multiple attention mechanisms', *Applied Sciences*, 15(9), p. 5170. doi: 10.3390/app15095170.

O'Shea, K. and Nash, R. (2015) 'An introduction to convolutional neural networks', *arXiv preprint arXiv:1511.08458*. Available at: https://arxiv.org/abs/1511.08458 (Accessed: 27 April 2026).

Shen, X., Li, H., Li, Y. and Zhang, W. (2024) 'LDWLE: Self-supervised driven low-light object detection framework', *Complex & Intelligent Systems*, 11, p. 82. doi: 10.1007/s40747-024-01681-z.

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Sivachandiran, S., Jagan Mohan, K. and Mohammed Nazer, G. (2022) 'Deep learning driven automated person detection and tracking model on surveillance videos', *Measurement: Sensors*, 24, p. 100422. doi: 10.1016/j.measen.2022.100422.

Sun, H., Liu, Y., Chen, Z. and Zhang, P. (2025) 'Zero-shot day–night domain adaptation for face detection based on DAl-CLIP-Dino', *Electronics*, 14(1), p. 143. doi: 10.3390/electronics14010143.

Tong, Z., Xu, P. and Denœux, T. (2021) 'Evidential fully convolutional network for semantic segmentation', *Applied Intelligence*, 51(9), pp. 6376–6399. doi: 10.1007/s10489-021-02327-0.

Ueno, L. (2025) *People detection dataset*. Roboflow Universe. Available at: https://universe.roboflow.com/leo-ueno/people-detection-o4rdr (Accessed: 27 April 2026).

Zhao, D., Shao, F., Zhang, S., Yang, L., Zhang, H., Liu, S. and Liu, Q. (2024) 'Advanced object detection in low-light conditions: Enhancements to YOLOv7 framework', *Remote Sensing*, 16, p. 4493. doi: 10.3390/rs16234493.

Zhuang, L. and Guan, Y. (2018) 'Improvement of illumination-insensitive features for face recognition under complex illumination conditions', *Preprints*, 2018010250. doi: 10.20944/preprints201801.0250.v1.