

## REFERENCES

Ningthoujam, B., Ningthoujam, J. S., Namram, R. S. & Nongmeikapam, K., 2019. *Image and Ultrasonic Sensor Fusion for Object Size Detection*. Shimla, India, India, IEEE.

alyssaq, 2017. *alyssaq / opencv*. [Online]  
Available at: <https://github.com/alyssaq/opencv>  
[Accessed 20 April 2020].

Art of Circuits, 2020. *Load Cell Amplifier and 24-Bit ADC Module – HX711*. [Online]  
Available at: [https://artofcircuits.com/product/load-cell-amplifier-and-24-bit-adc-module-hx711?\\_cf\\_chl\\_jschl\\_tk=\\_\\_=8117c136dc19bb2d5d2b5418ec49371f8f03831f-1587101154-0-ATtPi-GYFzHMPmQNO03f3b4npsYCP3D\\_gj4WQOY\\_2TiKEM1-wqnyim0bOp2Mde582NerhICdqWJ6RjYiZSI4wjJfHSAjv4NoeSO](https://artofcircuits.com/product/load-cell-amplifier-and-24-bit-adc-module-hx711?_cf_chl_jschl_tk=__=8117c136dc19bb2d5d2b5418ec49371f8f03831f-1587101154-0-ATtPi-GYFzHMPmQNO03f3b4npsYCP3D_gj4WQOY_2TiKEM1-wqnyim0bOp2Mde582NerhICdqWJ6RjYiZSI4wjJfHSAjv4NoeSO)  
[Accessed 20 April 2020].

Avia Semiconductor Co., Ltd., n.d. *HX711 Datasheet (PDF) - Avia Semiconductor Co., Ltd.*  
[Online]  
Available at: <https://pdf1.alldatasheet.com/datasheet-pdf/view/1132222/AVIA/HX711.html>  
[Accessed 20 April 2020].

Brady, B. J., 2013. *How to Avoid and Reduce Noise in Your Images*. [Online]  
Available at: <https://digital-photography-school.com/how-to-avoid-and-reduce-noise-in-your-images/>  
[Accessed 20 April 2020].

CAO, J., 2015. *How to create visual relationships with contrast & similarity*. [Online]  
Available at: <https://thenextweb.com/dd/2015/03/24/how-to-create-visual-relationships-with-contrast-similarity/>  
[Accessed 15 January 2020].

CUBISCAN, 2019. *IN-MOTION*. [Online]  
Available at: <https://cubiscan.com/dimensioning-systems/in-motion/>  
[Accessed 20 April 2020].

Dipert, B., 2017. *Image Quality Analysis, Enhancement and Optimization Techniques for Computer Vision*. [Online]  
Available at: <https://www.edge-ai-vision.com/2017/02/image-quality-analysis-enhancement-and-optimization-techniques-for-computer-vision/>  
[Accessed 20 April 2020].

Firdausy, K. & Hidayat, R., 2013. *SISTEM PENGUKUR VOLUME BARANG MENGGUNAKAN WEBCAM*, Yogyakarta: Universitas Ahmad Dahlan.

freeproject, 2018. *Cargo Management System UML Diagram*. [Online]  
Available at: <https://www.freeprojectz.com/uml-diagram/cargo-management-system-uml->

[Accessed 14 June 2020].

Hardy Instruments, 2001. *What is the wiring color code on my load cells? How can I verify it is correct?*. [Online]

Available at: [http://hardyinst.custhelp.com/app/answers/detail/a\\_id/70/~/\\_what-is-the-wiring-color-code-on-my-load-cells%3F-how-can-i-verify-it-is-correct%3F](http://hardyinst.custhelp.com/app/answers/detail/a_id/70/~/_what-is-the-wiring-color-code-on-my-load-cells%3F-how-can-i-verify-it-is-correct%3F)

[Accessed 20 April 2020].

Honeywell International Inc., 2020. *AutoCube 8200 Fixed Dimensioning Solution*. [Online]

Available at: <https://www.honeywellaidc.com/products/barcode-scanners/auto-dimensioning/autocube-8200>

[Accessed 20 April 2020].

kkfreight, 2019. *Air freight volumetric (chargeable weight) calculator*. [Online]

Available at: <http://www.kkfreight.com/volume-weight-calculator.html>

[Accessed 3 December 2019].

Lahoti, N., 2018. *4 Major Freight Management Challenges Faced by the Trucking Industry*. [Online]

Available at: <https://mobisoftinfotech.com/resources/blog/4-freight-management-challenges/>

[Accessed 14 June 2020].

Mundo Reader S.L., 2016. *Camera*. [Online]

Available at: <https://horus.readthedocs.io/en/release-0.2/source/scanner-components/camera.html>

[Accessed 21 April 2020].

National Instruments, 2019. *Sensor Terminology*. [Online]

Available at: <https://www.ni.com/en-id/innovations/white-papers/13/sensor-terminology.html#section--1983145235>

[Accessed 15 June 2020].

OMEGA Engineering, 2018. *Strain Gauges*. [Online]

Available at: <https://www.omega.com/en-us/resources/strain-gages>

[Accessed 13 July 2020].

OpenCV, 2019. *Canny Edge Detector*. [Online]

Available at:

[https://docs.opencv.org/2.4/doc/tutorials/imgproc/imgtrans/canny\\_detector/canny\\_detector.html](https://docs.opencv.org/2.4/doc/tutorials/imgproc/imgtrans/canny_detector/canny_detector.html)

[Accessed 15 June 2020].

OpenCV, 2019. *Hough Line Transform*. [Online]

Available at: [https://docs.opencv.org/master/d3/de6/tutorial\\_js\\_houghlines.html](https://docs.opencv.org/master/d3/de6/tutorial_js_houghlines.html)

[Accessed 15 June 2020].

Othman, N. A., Salur, M. U., Karakose, M. & Aydin, I., 2018. *An Embedded Real-Time Object Detection and Measurement of its Size*. Malatya, Turkey, Turkey, IEEE.

parcelhero, 2019. *Calculate Volumetric Weight*. [Online]

Available at: <https://www.parcelhero.com/en-gb/support/volumetric-weight-calculator>  
[Accessed 3 December 2019].

Rahmat, R. F. et al., 2019. *Android-based automatic detection and measurement system of highway billboard for tax calculation in indonesia*. Langkawi, Kedah, Malaysia, Institute of Advanced Engineering and Science.

rusmanr, 2018. *rusmanr / DSP\_OpenCV\_LK*. [Online]

Available at: [https://github.com/rusmanr/DSP\\_OpenCV\\_LK](https://github.com/rusmanr/DSP_OpenCV_LK)  
[Accessed 20 April 2020].

SCALETRONIC, 2020. *Home*. [Online]

Available at: <https://scaletronicglobal.com/>  
[Accessed 20 April 2020].

SENTRAL CARGO, 2017. *Cara Menghitung Volume Metric*. [Online]

Available at: <https://sentralcargo.co.id/berita/cara-menghitung-volume-metric>  
[Accessed 15 June 2020].

