

TIRE IDENTIFICATION SOLUTIONS

Barcode Readers

Tire manufacturers require reliable code reading solutions throughout all production stages — from receiving raw materials to final assembly. When the lifecycle of a tire spans multiple locations, buildings, cities or countries, tire identification is essential to manage compliance, WIP (work in progress), sorting/routing and quality control.

Read failure can cause slower throughput, production inefficiencies, costly rework, and reputation damage. Cognex vision technology offers tire manufacturers peace of mind:

- Industry-leading read rates
- DataMan® barcode readers have no moving parts providing a lower cost of ownership
- Fewer systems can cover a larger field of view, saving overall installation costs and maintenance
- Image-based readers allow you to “see what the reader sees” to support troubleshooting and continuous improvement efforts
- Cognex products support industrial protocols for easy integration with factory networks and systems

Tire identification challenges

- Tire orientation and line speeds can vary greatly
- Ideal reader position is difficult to achieve due to varying tire heights and barcode perspectives
- Printed labels are easily damaged from stage to stage
- Physical constraints and government mandates require smaller codes and more data



DataMan 300/360 high resolution barcode reader series

Applications

- Spinning tires
- Green vulcanized tires
- Under belt
- Hanging chains
- Omnidirectional conveyors

Features

- Three resolution options:
 - 800x600
 - 1280x1024
 - 1600x1200
- 60 reads per second
- Up to 250 ft/min (1.5 m/s) transport speed
- Customizable to any application

www.cognex.com/300



Xpand™ technology

Features

- Increases reader coverage across the belt, without adding readers or moving parts
- Compatible with the DataMan 300/360

Benefits

- Higher read performance
- Increase coverage without adding cameras
- Redundancy achieved with fewer cameras
- Fewer cameras allow faster data processing, increasing throughput

www.cognex.com/xpand

COGNEX

Companies around the world rely on Cognex vision and barcode reading solutions to optimize quality, drive down costs and control traceability.

Corporate Headquarters One Vision Drive Natick, MA 01760 USA

Regional Sales Offices

Americas

North America +1 844-999-2469
 Brazil +55 (11) 2626 7301
 Mexico +01 800 733 4116

Europe

Austria +49 721 958 8052
 Belgium +32 289 370 75
 France +33 1 7654 9318
 Germany +49 721 958 8052

Hungary +36 30 605 5480
 Ireland +44 121 29 65 163
 Italy +39 02 3057 8196
 Netherlands +31 207 941 398
 Poland +48 717 121 086
 Spain +34 93 299 28 14
 Sweden +46 21 14 55 88
 Switzerland +41 445 788 877
 Turkey +90 216 900 1696
 United Kingdom +44 121 29 65 163

Asia

China +86 21 6208 1133
 India +9120 4014 7840
 Japan +81 3 5977 5400
 Korea +82 2 539 9980
 Malaysia +6019 916 5532
 Singapore +65 632 55 700
 Taiwan +886 3 578 0060
 Thailand +66 88 7978924

© Copyright 2017, Cognex Corporation. All information in this document is subject to change without notice. All Rights Reserved. Cognex and DataMan are registered trademarks of Cognex Corporation. Xpand is a trademark of Cognex Corporation. All other trademarks are property of their respective owners. Lit. No. TIDDS-2017-07

www.cognex.com