Microscan Launches MicroHAWK® UHD Imagers to Decode Small and Difficult to Read Printed and DPM Codes

The new MicroHAWK UHD barcode readers and smart cameras decode symbols where the tiniest barcode module is almost invisible to the naked eye

RENTON, WA, 1March, 2017– Microscan, a global manufacturer and pioneer of miniature barcode imagers and machine vision smart cameras for industrial automation, launches new ultra-high definition (UHD)imagers on its MicroHAWK® platform.The new MicroHAWK UHD imagers are able to decode very small and difficult to read barcodes, including Data Matrix two-dimensional (2D) symbols and Direct Part Marks (DPM) used for example in electronics manufacturing. Userscan rely on their capability to readsymbols where the x-dimension or barcode module of the tiniest bar is as small as 2 mil or 0.0254 mm, almost invisible to the naked eye.

Space, or the lack of it, can be a challenge when placing barcodes or Data Matrix symbols on electronics components.However, readable barcodes are critical to component traceability, time/date stamping, work in progress (WIP) tracking and recall management.Whether it be a printed label or Direct Part Mark in a difficult location, the new MicroHAWK UHD imagers with Microscan's X-Mode decoding algorithms can take on the challenge.

The new UHD options are now available in all three MicroHAWKmodels ID-20, ID-30, and ID-40, as well as the MV-20, MV-30 and MV-40 smart cameras, with the SXGA 1.3MP sensor option.
There are two fixed focus options available.The 64mm reading distance is ideal for decoding 2D symbols down to 2 mil, printed on labels or directly marked on parts, while the fixed focus option at 400mm is aimed at decoding printed or DPM 2D symbols down to 10 mil. An autofocus option will be available soon.

The MicroHAWK family includes a fully-integrated imaging engine and three industrial-rated miniature imagers.Together with Microscan's browser-based WebLink user interface for barcode reading, simplified AutoVISION Machine Vision Software, or the advanced Visionscape® Machine Vision Software, the MicroHAWK platform offers imaging of any code, text, or part feature to accomplish any automation task based on visible data. MicroHAWK offers users a single hardware solution with options to meet various decoding or inspection tasks, in any integration space, and at any experience level.

For more information about MicroHAWK, visit www.microscan.com/microhawk.

About Microscan
Microscan is a global leader in barcode reading, machine vision, and verification technology serving a wide range of automation and OEM applications. Founded in 1982, Microscan has a strong history of technology innovation that includes the invention of the first laser diode barcode scanner and the 2D

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symbology, Data Matrix. Today, Microscan remains a leader in automatic identification and inspection with extensive solutions ranging from barcode reading, tracking, and traceability up to complex machine vision measurement, guidance, code verification, and print quality grading.

As an ISO 9001:2008 certified company recognized for quality leadership in the U.S., Microscan is known and trusted by customers worldwide as a provider of quality, high precision products. Microscan is a part of Spectris plc, the productivity-enhancing instrumentation and controls company.

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