We are writing to inform you that as part of our continuous improvement and supplier sustainability initiative, the Perception HD (part# 20-4008) will be discontinued, effective immediately, and replaced with a new HD version.

1.   Affected Products:

20-4008	**Perception™ HD** **High Definition Camera** Whole rack reader for racks of 2D labelled tubes; small-footprint single camera-based solution for very rapid reading and ideal for integration, USB 3.0 cable and AC adapter.

Figure 1: Perception HD (par# 20-4008)

2.   Reason for change

As part of our continuous improvement and supplier sustainability initiative, we identified that a key component of all camera-based readers from our supplier had become obsolete.

This resulted in a significant delay and backlog in supply as we worked to seek an optimal replacement and ensure backward compatibility to the best of our ability.

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3.   Replacement Products

Brooks is pleased to announce the release of a replacement camera for the Perception HD, resulting in 38.5%+ better resolution and as little as 1/2 second decode time*.

20-4018	**Perception™ HD,** **High Definition Camera,** Whole rack reader for racks of 2D labelled tubes; small-footprint single camera-based solution for very rapid reading and ideal for integration, single USB 3.1 SS cable for power and data-transfer

Figure 1: Perception HD (par# 20-4018)

See below for a comparison of specifications.

4.   Specifications of Suggested Replacement Product

Specification	Perception HD	Perception HD
Part Number	20-4008	20-4018
Dimension (W x L x H)	97 x 137 x 160 mm	97 x 137 x 160 mm
Weight	800g	1000g (based on weight of components)
Camera Resolution	13 Megapixel	18 Megapixel
Power supply	AC Adapter	USB 3.1 for power
Communication	USB 3.0	USB Type-C to USB-A Male 3.1 Gen2 Cable - 0.9 m
Decodable Formats	2D Data Matrix®, QR Codes, ISO 16022, Square and Rectangular Format, ECC 200, 0 - 20 grid sizes, White on Black and Black on White, Numeric and Alphanumeric	2D Data Matrix®, QR Codes, ISO 16022, Square and Rectangular Format, ECC 200, 0 - 20 grid sizes, White on Black and Black on White, Numeric and Alphanumeric
Tube Formats	Most tubes in SBS format rack. Either in 24, 48, 96, 240 or 384 formats.	Most tubes in SBS format rack. Either in 24, 48, 96, 240 or 384 formats.
Decode Speed *1	Decode as less than 1 second	<1 seconds (grab & decode)
Operating Systems	Windows 7, Windows 8, Windows 10	Windows 7, Windows 8, Windows 10

* Decode time is subject to processor speed, code quality and setup
*1 Total grab and decode speed may vary based on individual CPU capabilities

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5. Benefits of Change

- Improved readability of suboptimal 2D codes due to higher camera resolution
- Decreased image grab time
- Single USB 3.1 SS cable for both power & data transfer
- Automatic activation, no need to deactivate when changing PC
- Automatic rack and tube detection wizard in software to easily enable new profiles

6. Differences Resulting from Change

- New 18-megapixel resolution camera
- Aluminum base plate used in assembly instead of acrylic version
- Single USB 3.1 SS cable for both power & data transfer
- USB 3.1 SS cable extends from rear of instrument, instead of side now
- Intellicode software version 12+ is required to run this HD reader
- Integrated Intellicode activation dongle inside device
- Location of A1 (SBS) is now inscribed on the instrument

7. Date of change

Effective June 19th, 2019

There are no 20-4008 instruments available in stock.
If you require any further information please feel free to contact your local rep, distributor or email the office on blss.sales@brooks.com.