HR-X300

Industrial automation components

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Manufacturer	Keyence
Catalog number	hr-x300
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Keyence
Part Number	HR-X300
Product Type	Handheld Code Reader
Sensor Resolution	2.3 Megapixels MP
Illumination Type	White LED
Aiming Light	Red Laser (650 nm)
Distance Sensor	Time-of-Flight (TOF) Sensor
Enclosure Rating	IP65/IP67
Operating Temperature Range	-20°C to +45°C
Drop Resistance	2.5 meters onto concrete m
Communication Interface	USB 2.0 Full Speed
Compatible Operating Systems	Windows 10 Pro, Windows 11 Pro

Description

The Keyence HR-X300 is a high-performance, wired handheld code reader designed for industrial environments requiring robust and reliable barcode scanning capabilities. Equipped with dual 2.3-megapixel CMOS image sensors, it delivers precise and rapid scanning of various barcode types, including QR, DataMatrix, and traditional 1D barcodes.

The device features a white LED light source for illumination and a red laser aimer with a wavelength of 650 nm for accurate targeting. Its time-of-flight (TOF) sensor enhances distance measurement

Automation Trader
960 Capability Green
Luton, Bedfordshire LU1 3PE
VAT ID: PL6463009354
REGON: 527345886
DUNS: 427734105
BDO: 000726360

Phone
+44 7418 359 399

Email
info@automationtrader.com

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accuracy, facilitating efficient scanning operations.

Built to withstand harsh conditions, the HR-X300 boasts an IP65/IP67 enclosure rating, ensuring resistance to dust and water ingress. It operates effectively in temperatures ranging from -20°C to +45°C (-4°F to 113°F) and can endure drops from up to 2.5 meters (8.2 feet) onto concrete surfaces.

The reader supports USB 2.0 Full Speed communication and is compatible with Windows 10 Pro and Windows 11 Pro operating systems. Its ergonomic design and durable construction make it an ideal solution for demanding industrial applications requiring reliable barcode scanning performance.