

Vuquest 3330g

OEM Fixed-Mount 2D Area Imager

Honeywell's Vuquest 3330g OEM 2D imager offers aggressive scanning of all 1D and 2D barcodes in a durable and flexible form factor designed to accelerate integration into your solutions. Incorporating Honeywell's advanced decoding technology, Vuquest 3330g is optimized for reading barcodes directly off mobile phone screens and is ideal for customer-facing applications such as self-service kiosks, vending machines, ATMs, access control, retail POS and fast food self-ordering kiosks.

Designed for OEM fixed mount and kiosk integrations, the 3330g is easy to install onto a bracket, is available with multiple interfaces, and supports presentation mode scanning—all capabilities that make it easy to tailor to your environment. Honeywell's TotalFreedom software plug-ins expand the capabilities of 3330g, enabling OCR capture and reading, driving license parsing, boarding pass scanning and more.

Ready for ever-changing data capture needs, the 3330g can be incorporated into your design as a 1D-only device, and then affordably upgraded to 2D scanning at any time in the future. This upgradeability freedom protects your investment and can extend your product lifecycles, allowing you to match new market and customer requirements without costly redesigns.

Relying on an LED-aiming solution that is completely laser-free, the 3330g is perfect for customer-facing environments where barcode scanning solutions are used by the end customer. Easy to install, flexible, and upgradeable: Vuquest 3330g is the ideal OEM imager for your fixed-mount solution.



Delivering high scanning throughput and remote configurability in an easy-to-mount enclosure, the Vuquest 3330g is the smart way to add 2D imaging performance to your product design.

FEATURES & BENEFITS



Superior 1D and 2D barcode reading performance, whether on paper or mobile phone screens.



Its compact size, multiple interfaces, and ease of mounting make 3330g flexible to fit your design requirements.



Protect your investment and extend your product lifecycles with the ability to enable 2D scanning at any point in the future.



Simplify support needs and enjoy reduced total cost of ownership by remotely managing installed devices.



Laser-free aiming is ideal for customer-facing environments and eliminates any risk of eye injury.

Vuquest 3330g Technical Specifications

TABLE 1. MECHANICAL	
CHARACTERISTIC	Parameter
DIMENSIONS (L X W X H)	74 mm x 50 mm x 26 mm [2.9 in x 1.9 in x 1.0 in]
WEIGHT	75 g [2.7 oz]
TERMINATION	15-POS D-Sub connector

TABLE 2. ELECTRICAL	
CHARACTERISTIC	Parameter
INPUT VOLTAGE	5 VDC ± 0.25 V
OPERATING POWER	2.3 W (450 mA at 5 V)
STANDBY POWER	0.45 W (90 mA at 5 V)
HOST SYSTEM INTERFACE	USB, RS232, and Keyboard Wedge

TABLE 3. ENVIRONMENTAL	
CHARACTERISTIC	Parameter
OPERATING TEMPERATURE	-20°C to 50°C [-4°F to 122°F]
STORAGE TEMPERATURE	-20°C to 70°C [-4°F to 158°F]
HUMIDITY	5% to 95% RH, non-condensing
DROPS	designed to withstand 1.5 m [5 ft] drops
VIBRATION	withstands 5 G peak from 22 Hz to 300 Hz
ENVIRONMENTAL SEALING	IP53
LIGHT LEVEL	0 lux to 100,00 lux [0 foot-candles to 9,290 foot-candles]
ESD TOLERANCE	up to 15 kV direct air, up to 8kV indirect coupling plane

TABLE 4. SCAN PERFORMANCE	
CHARACTERISTIC	Parameter
SENSOR	proprietary Honeywell sensor
SCAN PATTERN	area image (844 x 640 pixel array)
MOTION TOLERANCE	up to 240 in/s for UPC 13 mil (Enhanced Streaming Presentation Trigger Mode)
SCAN ANGLE	horizontal: 42.4°, vertical: 33°
FOCAL POINT	127 mm [5 in]
PRINT CONTRAST	20% minimum reflectance difference
PITCH, SKEW, TILT	±45°, ±65°
SYMBOLOGIES SUPPORTED	1D: UPC/EAN/JAN, GS1 DataBar, Code 39, Code 128, Code 32, Code 93, Codabar/NW7, Interleaved 2 of 5, Code 2 of 5, Matrix 2 of 5, MSI, Telepen, Trioptic, China Post 2D Stacked: PDF417, MicroPDF417, GS1 Composite 2D Matrix: Aztec Code, Data Matrix, QR Code, Micro QR Code, MaxiCode, Han Xin Code Postal, Intelligent Mail Barcode, Postal-4i, Australian Post, British Post, Canadian Post, Japanese Post, Netherlands (KIX) Post, Postnet, Planet Code OCR Option: OCR-A, OCR-B, E13B (MICR)
WARRANTY	2 year limited warranty; the warranty period starts at date of shipment from Honeywell to customer

TABLE 5. DEPTH OF FIELD TYPICAL PERFORMANCE		
SYMBOLOLOGY	Standard Range (SR)	High Density (HD)
5 MIL CODE 39	55 mm – 159 mm [2.16 in – 6.26 in]	22 mm – 125 mm [0.87 in – 4.92 in]
13 MIL UPC	39 mm – 435 mm [1.53 in – 17.13 in]	30 mm – 190 mm [1.18 in – 7.48 in]
10 MIL DATA MATRIX	47 mm – 216 mm [1.85 in – 8.50 in]	16 mm – 142 mm [0.63 in – 5.59 in]
20 MIL DATA MATRIX	33 mm – 414 mm [1.30 in – 16.30 in]	19 mm – 209 mm [0.75 in – 8.23 in]

ADDITIONAL INFORMATION

- Quick Start Guide is available on the Honeywell web site at honeywellaidc.com
- Installation Guide is available upon request; contact your Honeywell representative
- For a listing of common compliance approvals and certifications, please visit <https://www.honeywellaidc.com/search?q=compliance&t=resources>

NOTICE MISUSE OF DOCUMENTATION

- The information presented in this datasheet is for reference only. Do not use this document as a product installation guide.
- A Quick Start Guide is available on the Honeywell website (honeywellaidc.com). Additional installation information is available upon request. Please contact your Honeywell sales representative.

Find out more

Honeywell serves its customers through a worldwide network of sales offices and distributors. For application assistance, current specifications, pricing or name of the nearest Authorized Distributor, contact your local sales office.

To learn more about Honeywell's scan engines and barcode decoding software, visit honeywellaidc.com.

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