diBar

Yes, you can rest assured.

Small body but huge work!

25mm

30mm

diBar

Almost *real-size*
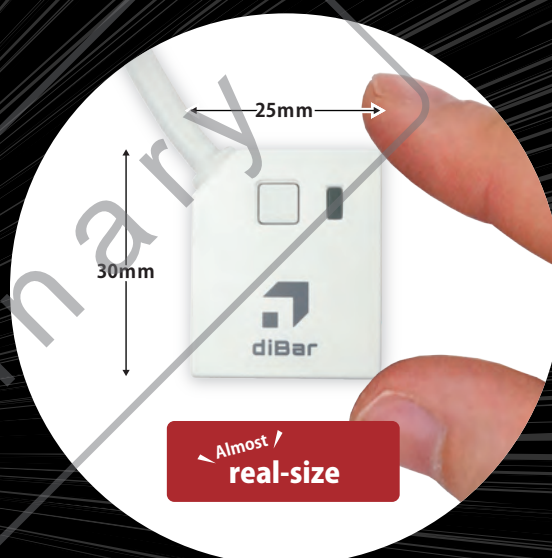
MTBF
70,000hours
(2D engine)

warranty
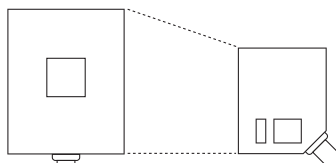**3** years

diBar

Super small cubeQR

Fixed position area imager

Size comparison

Typical reader   cubeQR

Extremely Compact and light weight
Dimensions: 25(W) x 30(L) x 20(D) mm
weight : approx.8grams (without cable)

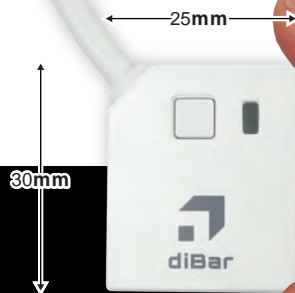| HID POS compatible | Healthcare codes supported GS1 DataBar GS1 Composite | Can read the codes on smartphone screens | Interface USB microUSB RS232C | A trigger button equipped |

Preliminary

cubeQR
Fixed position area imager

Super-compact, space saving and easy to use design demarcate the cube QR from other general 2D code readers.

← 25mm →

30mm

diBar

Almost real-size

■ **Supported healthcare codes**

Compatible with GS1-128 healthcare standard. With installing this optional fucntion, Application Identifier(AI) is detected, then the output data can be editted.

■ **Codes readable on the smartphone screens**

The cube QR can read 1D(Linear) codes, 2D codes such as QR on the smartphone screens.

Technical Specifications

Item	Specifications	
Interface	USB(HID, COM), RS232C	
Illumination LED	White LED	
Aimer LED	Red LED	
Sensor	CMOS 640 x 480 pixel	
Motion tolerances	100cm / s (UPC 100% at optimal focal point)	
Typical frame rate	30 frames/sec	
Scan Angles	Tilt ±180°, Pitch ±45°, Skew ±45°	
Depth of Field	50 ~ 250 mm (NB=0.4mm)	
PCS	30% min.	
Maximum barcode size	110 mm	
Minimum code resolution	0.127 mm (code 39)	
Reader window size	25 mm	
Drop	1.2 m to concrete	
Ambient light	0~100,000 lux	
Input voltage	DC5%V ±5%	
Power consumption	Operating mode:	under 300mA
	Standby mode:	25mA
Temperature	Operating temperature:	-10~40℃
	Storage temperature:	-40~60℃
Humidity	Relative humidity 95%　non-freezing, non-condensing (@40°C)	
Dimensions	W25xL30xD20mm	
Weight	approx.8grams (without cable)	
Cable length	USB cable:	Approx. 1.5m
	RS232 cable:	Approx. 2.0m
MTBF	70,000 hours (2D engine)	
Regulatory approvals and compliant	FCC, CE Class B, VCCI	

Optional functions

Versatile applications by additional functions
（SW-AD1-DB2D)

■ **GS1 code editor**
The Application Identifier (AI) is automatically detected out of the read data and transmitted at 4 patterns editing format.

■ **GS1 format checker**
Checks the Application Identifier (AI) or AI data is correctly encoded in the format.

■ **Data verification function**

Usage scenes and applications

For Kiosk and ATMs　　For entrance gates　　Enbedded solutions

Symbologies

Linear
Codabar, Code 11, Code 128, Code 2 of 5, Code 39, Code 93 and 93i, EAN/-JAN-13, EAN/JAN 8, IATA Code 2 of 5, Interleaved 2 of 5, Matrix 2 of 5, MSI, GS1 Databar, UPC-A, UPC E, UPC-A/EAN-13 with Extended coupon Code, Coupon GS1 Code 32(PARAF), EAN-UCC Emulation, GS1 Data Bar

2D Stacked
Codablock A, Codablock F, PDF417, MicroPDF417 2D Matrix: Aztec Code, Data Matrix, MaxiCode, QR Code, Chinese Sensible(Han Xin) code

Postal Codes
Australian Post, British Post, Canadian Post, China Post, Japanese Post, Korea Post, Netherlands Post, Planet Code, Postnet

Typical reading field

Codes	Minimum distance	Maximum distance	Depth of field
code 39(0.127mm)	61mm	130mm	69mm
code 39(0.508mm)	60mm	380mm	320mm
UPC100%(0.33mm)	55mm	280mm	225mm
PDF417(0.17mm)	60mm	125mm	65mm
Data Matrix(0.254mm)	60mm	130mm	70mm
QR code(0.508mm)	50mm	230mm	180mm

(*)The values indicated above are reference values which were measured under the following conditions: (actual values), and are not guaranteed values. The values may be different or impacted by environmental conditions such as code quality and/or ambient illumination. Customers are strongly recommended to verify the optimal reading distance by the actual pre-operational testing.

・Distances are from the imager window
・Ambient illumination 535lux, Room temperature 23℃
・Tested with recommended quality standard code

Model	Specifications
cubeQR-USB	area imager, USB interface(HID/COM/HID-POS), 1.5m
cubeQR-microUSB	area imager, microUSB interface(HID/COM/HID-POS), 1.5m
cubeQR-RS	area imager, RS232C interface, 2m straight cable, AC adapter optional
cubeQR-RS-TG (*1)	area imager, RS232C interface (PIN1- external trigger input), 2m straight cable, AC adapter optional
SW-AD1-DB2D (*2)	Optional functions: GS1 code editor/GS1 format checker/Code verification function
PS5V	Power supply adapter, AC input, DC5V output

(*1) This is a special model in which an external trigger signal is assigned to pin 1 of the Dsub9 connector. When connecting to a PC or the like, via this Dsub9 connector, it is necessary to place a relay cable to derive the external trigger signal (PIN 1) Please note that you can not connect this Dsub9 connector directly to a PC or the like devices.
If you do not need an external trigger signal, please use the normal model "cubeQR-RS".

(*2) Optional function(s) must be ordered at the same time when slimQR/cube QR main unit order is placed.

・Values described in this brochure are based on the manufacturer default of the measurement method.
・For improvement purpose, appearance and specifications may be changed without prior notice.
・Each product and company names are trademarks or registered trademarks of their respective companies.