sango 2D SCANNER
mini-scanner

sango's flexible integrated 2D miniature barcode reader

This mini 2D scanner was developed on the basis of the advanced imaging technology of *Adaptus 6.0* by *Honeywell*. It is available as an option, built-into the AURES' **sango** EPOS terminal.

Performing, it is equipped with a personalized image sensor, specially designed for the optical recognition of 2D and 1D barcodes. It equally integrates the first colour imager on the market (camera shots) and a new software architecture for optimized decoding of difficult barcodes (including for example restaurant and other vouchers, in some countries).

It also reads codes from your smartphone touchscreen when at the till (*promotional and QR codes, personal & identifying codes, etc*).

Attached to the side of the EPOS touch screen, the **sango** 2D mini-scanner is fully integrated and yet articulated, allowing users to keep their hands free (no hand-held devices which sometimes take up too much space, get lost or fall and break).

Free from messy encumbering wires, unlike other handheld readers or barecode scanners, it enables to keep counters clean and tidy during payment.

sango 2D SCANNER mini-scanner

- Ultra-compact built-in device
- Fully adjustable
- Advanced decoding technology of 2D and 1D barcodes (with image capture)
- USB interface - series emulation or keyboard
- Direct power supply from the sango EPOS system
- No useless visible cables

MODELL	sango 2D SCANNER
PERFORMANCE	
Sensor	Proprietary CMOS sensor with global shutter and 844 × 640 pixel resolution; 60 frames per second
Illumination	617 nm visible red LED
Aiming	N5600 Imager: 528 nm visible green LED
Motion Tolerance	Up to 584 cm (230˝) per second in total darkness with 100% UPC at 10 cm (4˝) distance
Field of View	SR Optics: 42.4° (Horizontal), 33.0° (Vertical); ER Optics: 31.6° (Horizontal), 24.4° (Vertical); HD Optics: 41.4° (Horizontal), 32.2° (Vertical)
Scan Angles Tilt	360°, Pitch: ± 45°, Skew: ± 65°
Symbol Contrast	20% minimum reflectance
SYMBOLOGIES	
Linear:	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, GS1Composite;
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;
ENVIRONMENTAL / OTHER	
Temperature Operating	-25°C to 50°C (-13°F to 122°F)
Storage	-25°C to 70°C (-13°F to 158°F)
Humidity	0 to 95% relative humidity, non-condensing, at 50°C (122°F)
Ambient Light	0–100,000 lux (total darkness–bright sunlight)
Shock Rating	3,500 G for 0.4 ms at 23°C (73°F) to mounting surface
Vibration	3 axes, 1 hour per axis: 2.54 cm (1˝) peak-to-peak displacement (5 Hz to 13 Hz),
	10 G acceleration (13 Hz to 500 Hz), 1 G acceleration (500 Hz to 2,000 Hz)
Dimensions	L x H x D : 55 x 60 x 50mm
Weight	80g
OPTICS	
Symbology/X-Dim	Typical Range*
100% U.P.C.	46 mm to 419 mm (1.8˝ to 16.5˝)
5 mil Code	39 64 mm - 163 mm (2.5˝ - 6.4˝)
10 mil Code	39 28 mm - 338 mm (1.1˝ - 13.3˝)
6.7 mil PDF417	46 mm - 185 mm (1.8˝ - 7.3˝)
10 mil Data Matrix	53 mm - 203 mm (2.1˝ - 8.0˝)
Resolution, linear bar codes:	0.127 mm (5.0 mil)
Resolution, 2D matrix codes:	0.169 mm (6.7 mil)

*Performance may be impacted by bar code quality and environmental conditions