

Colibri™

série 6



Overview

Made by C2R Technologie™, the Serie 6 Colibri™ integrates technology Adaptus Imaging Technology™ sixth generation. Equipped with a custom sensor optimized for bar code scanning, the Colibri™ offers exceptional performance and reliability for a wide variety of applications, including those that require the versatility of imaging technology matrix.

Based on Adaptus® Imaging Technology 6.0, the Colibri™ propose also enhanced features for reading bar codes and capture digital images. It includes also a revolutionary decoding architecture that combines Adaptus Imaging Technology 5.5 and software SwiftDecoder™ of Omniplanar™ with a custom sensor for greater depth of field, faster reading, and improved performance for barcode bad quality. High density linear codes or 2D display on mobile devices, Colibri™ easily decodes almost all barcodes.

Colibri™ is a bar code imager which is characterized by its ease of use and power as well as its reduced dimensions and robust manufacturing and industrial - These drives allow omnidirectional quick and accurate reading 1D and 2D codes for all industrial applications through leurt low light sensitivity and high depth of field.

Industrial - Designed with the technologies of image sensors industry with no moving parts, these drives support industrial conditions and temperatures below freezing.

Decoding - Based on an experience of 30 years of expertise in decoding these readers read the main linear codes (1D), stacked codes, matrix codes (2D) and OCR fonts (optional) quickly and easily ..



C2R Technologie SARL

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GROUPE C2R



Features

Mechanical properties

Dimensions (LxH)	41 x 41 x 18,8 mm
Weight	42 g

Electrical characteristics

Input Voltage	4 - 25 Vcc
Operating Power	450 mA @ 5 Vcc
Standby Power	90 mA @ 5 Vcc
Host System Interfaces	USB or RS232

Environmental

Operating Temperature	0 to 50°C
Humidity	0% to 95% relative humidity, non-condensing
Drop	Designed to withstand 50 1.8 m (6') drops to concrete
Environmental Sealing	IP 54
Light Levels	0 to 100 000 lux

Reading performance

Scan Pattern	Area Image (838 x 640 pixel array)
Motion Tolerance	Up to 610 cm/s (240 in/s) for 13 mil UPC at optimal focus
Scan Angle	HD Focus: horizontal : 41,4° ; vertical : 32,2° SR Focus: horizontal : 42,4° ; vertical : 33° ER Focus: horizontal : 31,6° ; vertical : 24,4°
Max resolution. 1D Code 39	HD Focus: 3 mil (0,076 mm) SR Focus: 5 mil (0,127 mm) ER Focus: 5 mil (0,127 mm)
Max resolution. 2D Datamatrix	HD Focus: 5 mil (0,127 mm) SR Focus: 6,7 mil (0,170 mm) ER Focus: 7,5 mil (0,191 mm)
Symbol Contrast	20% minimum reflectance difference
Symbol Contrast	45°/65°
Decode Capability	Reads standard 1D, PDF, 2D, Postal and OCR symbologies *Note: Decode capabilities dependent on kit configuration

Warranty

12 month

Reference

Colibri Serie 6 engine

- 30-005 : Colibri série 6 HD Usb
- 30-006 : Colibri série 6 SR Usb
- 30-007 : Colibri série 6 ER Usb
- 30-008 : Colibri série 6 HD RS232
- 30-009 : Colibri série 6 SR RS232
- 30-010 : Colibri série 6 ER RS232

Power Supply

- 32-001 : 5V
- 32-002 : 12V
- 32-003 : Bracket PC for 3 Colibri

Cable

- 31-007 : USB Cable
- 31-008 : RS232 Cable + power Jack
- 31-009D : I/O cable
- 31-010D : RS232 Cable (DB25) + I/O + power Jack
- 31-011D : RS232 Cable + power Jack for Bracket PC (32-005)

External module

- 33-001 : RS485 (Full duplex) Converter
- 33-002 : Ethernet 10/100 module

Options :

- xx-xxx.001 : OCR
- xx-xxx.002 : Color camera (within 12 weeks)

RoHs Conformity

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