

INDUSTRIAL COMPONENT DATA

STC-MBS122BU3V 3Z4S7050D 3Z4SCASTCMBS122BU3V OMRON USB 3.0 Area Scanner, 12 MP, Monochrome, Sony IMX304 CMOS..

Brand: OMRON | Manufacturer Part Number: STC-MBS122BU3V



Manufacturer	OMRON
MPN / Reference	STC-MBS122BU3V
Catalog number	3Z4SCASTCMBS122BU3V
Category	Machine vision system (MVS)
Minimum order	1 Pcs
Document ID	EO-8D25577AD0
Generated	2026-08-06

Product Overview

USB 3.0 Area Scanner, 12 MP, Monochrome, Sony IMX304 CMOS, 1.1", 3.45 µm, 23 fps, Global Shutter, C-Mount, in box
USB 3.0 Area Scan Camera, 12 MP, Monochrome, CMOS Sony IMX304, 1.1", 3.45 µm, 23 fps, Global Shutter, C Mount, Cased

STRUCTURED PRODUCT DATA

Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

Classification & Catalog Path

Catalog path	OMRON
--------------	-------

Additional Product Information

Specifications

Camera type Monochrome

Number of pixels 12.3 MP

Interface USB 3.0

Lens mount C-mount

Shutter type Global

Image width 4096 pixels

Image height 3000 pixels

Image sensor format 1.1"

Image sensor type IMX304

Pixel size 3.45 µm

Frame rate 23.4 fps

Optical filter None

Lens type Not Applicable

Scan type Area scan

Accessories

CAB-USB3-02 USB 3.0 cable, USB3.0 Micro-B, Camera side with fastening screws, 2 m

CAB-USB3-02-RB USB 3.0 cable, USB3.0 Micro-B, Camera side with fastening screws, robot cable, 2 m

CAB-USB3-03 USB 3.0 cable, USB3.0 Micro-B, Camera side with fastening screws, 3 m

CAB-USB3-03-RB USB 3.0 cable, USB3.0 Micro-B, Camera side with fastening screws, robot cable, 3 m

CAB-USB3-05 USB 3.0 cable, USB3.0 Micro-B, Camera side with fastening screws, 5 m

CAB-USB3-05-RB USB 3.0 cable, USB3.0 Micro-B, Camera side with fastening screws, robot cable, 5 m

CAB-USB3-07 USB 3.0 cable, USB3.0 Micro-B, Camera side with fastening screws, 7 m

CAB-USB3-07-RB USB 3.0 cable, USB3.0 Micro-B, Camera side with fastening screws, robot cable, 7 m

CAB-USB3-10 USB 3.0 cable, USB3.0 Micro-B, Camera side with fastening screws, 10 m

ETIM for 681369 Sensors (EC004672)

Feature Name

Feature Value

Voltage type (EF000187)

DC

Model (EF000010)

Camera

Type of interface (EF006977)

Other

Number of outputs, signalling function, undelayed, with contact (EF003348)

0

Number of outputs, signalling function, undelayed, semiconductors (EF003350)

0

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / STC-MBS122BU3V with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.