

INDUSTRIAL COMPONENT DATA

STC-MBS241U3V 3Z4S7031H 3Z4SCASTCMBS241U3V OMRON Area Scan Camera USB 3.0, 2.3 MP, monochrome, Sony IMX174 C..

Brand: OMRON | Manufacturer Part Number: STC-MBS241U3V



Manufacturer	OMRON
MPN / Reference	STC-MBS241U3V
Catalog number	3Z4SCASTCMBS241U3V
Category	Machine vision system (MVS)
Minimum order	1 Pcs
Document ID	EO-121563EE08
Generated	2026-08-06

Product Overview

Area Scan Camera USB 3.0, 2.3 MP, monochrome, Sony IMX174 CMOS, 1/1.2", 5.86 um, 163 fps, global shutter, C stand, with housing

USB 3.0 Area Scan Camera, 2.3 MP, Monochrome, CMOS Sony IMX174, 1/1.2", 5.86 µm, 163 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
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Additional Product Information

Specifications

Camera type Monochrome

Number of pixels 2.3 MP

Interface USB 3.0

Lens mount C-mount

Shutter type Global

Image width 1920 pixels

Image height 1200 pixels

Image sensor format 1/1.2"

Image sensor type IMX174

Pixel size 5.86 µm

Frame rate 163 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 681380 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-MBS241U3V with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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