

INDUSTRIAL COMPONENT DATA

STC-MBS2041U3V 3Z4S7414C STCMBS2041U3V OMRON USB 3.0 Area Scan Camera, 20.4 MP, Monochrome, Sony IMX183 CMOS..

Brand: OMRON | Manufacturer Part Number: STC-MBS2041U3V



Manufacturer	OMRON
MPN / Reference	STC-MBS2041U3V
Catalog number	STCMBS2041U3V
Category	Machine vision system (MVS)
Minimum order	1 Pcs
Document ID	EO-C40272EBD8
Generated	2026-08-06

Product Overview

USB 3.0 Area Scan Camera, 20.4 MP, Monochrome, Sony IMX183 CMOS, 1/3", 2.4 um, 18.5 fps, Rotating Shutter, C Stand, with Housing

USB 3.0 Area Scan Camera, 20.4 MP, Monochrome, CMOS Sony IMX183, 1", 2.4 µm, 18.5 fps, Rolling 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

Specs

Camera type Monochrome

Number of pixels 20.4 MP

Interface USB 3.0

Lens mount C-mount

Shutter type Rolling

Image width 5472 pixels

Image height 3648 pixels

Image sensor format 1"

Image sensor type Other

Pixel size 2.4 um

Frame rate 18.5 fps

Optical filter None

Scan type Area scan

accessories

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

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

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

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

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

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

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

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

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

TP-JQA Tripod mount for Cube camera

ETIM for 696366 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-MBS2041U3V with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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