

AutoVISION 5.2.1 with M Series camera integration

Product Guide



Overview

Omron is pleased to announce the release of AV 5.2.1 with M Series machine vision cameras. This version is specifically targeted to support the new line of Omron Sentech M Series GigE and USB 3.0 cameras with both the AutoVISION and Visionscape FrontRunner software.

The integration of AutoVISION with Omron machine vision cameras lets customers use either GigE Vision or USB3 Vision for their vision system. The Omron M Series for both GigE Vision & USB3 Vision features resolutions of up to 20Mp with frame rates as high as 527FPS.

Applications

- General machine vision
- Inspection
- Food and commodities, packaging
- Automotive components, assembly
- Analysis detection

Primary Benefits

- Ease of integration through the use of AutoVISION software
- World's top machine vision cameras combined with high powered software
- Up to 8 cameras supported in a single system using Visionscape FrontRunner

Key features

- Compatibility with GigE Vision & USB3 Vision for M Series Cameras
- Most popular machine vision interfaces in the world: GigE Vision and USB3 Vision
- Intuitive AutoVISION programming software and Web Monitor for complete monitoring
- USB 3.0 and Ethernet connectivity with Power over Ethernet (PoE) available
- Frame rates of up to 527 FPS
- Resolutions from 0.4MP to 20MP
- Easy-to-customize camera and hardware options

GigE Vision Cameras

Monochrome	Color	Frame Rate	Resolution	Sensor Size	Sensor	Shutter Type
STC-MBS43POE	STC-MCS43POE	282	0.4 MP	1/2.9"	IMX287	Global
STC-MBS52POE	STC-MCS52POE	166.5	0.5 MP	1/1.7"	IMX433	Global
STC-MBE 132POE	STC-MCE132POE	61	1.3 MP	1/1.8"	e2V EV76C560A	Global
STC-MBS163POE	STC-MCS163POE	70	1.6 MP	1/2.9"	IMX273	Global
STC-MBS202POE	STC-MCS202POE	54	2 MP	1/1.7"	IMX430	Global
STC-MBS231POE	STC-MCS231POE	41	2.3 MP	1/1.2"	IMX249	Global
STC-MBS312POE	STC-MCS312POE	43	3 MP	1/1.8"	IMX265	Global
STC-MBS500POE	STC-MCS500POE	21	5 MP	2/3"	IMX264	Global
STC-MBA503POE	STC-MCA503POE	14	5 MP	1/2.5"	MT9P031I12ST	Rolling
STC-MBS642POE	STC-MCS642POE	17	6 MP	1/1.8"	IMX178	Rolling
STC-MBS1242POE	STC-MCS1242POE	9.2	12 MP	1/1.7"	IMX226	Rolling
STC-MBS881POE	STC-MCS881POE	12.4	8 MP	1"	IMX267	Global
STC-MBS122BPOE	STC-MCS122BPOE	8.9	12 MP	1.1"	IMX304	Global
STC-MBS2041POE	STC-MCS2041POE	5.5	20 MP	1"	IMX183	Rolling

USB3 Vision Cameras

Monochrome	Color	Frame Rate	Resolution	Sensor Size	Sensor
STC-MBS43U3V	STC-MCS43U3V	527	.4MP	1/2.9"	IMX287
STC-MBE132U3V	STC-MCE132U3V	60	1.3 MP	1/1.8"	e2V EV76C560A
STC-MBS163U3V	STC-MCS163U3V	238	1.6MP	1/2.9"	IMX273
STC-MBCM200U3V	STC-MCCM200U3V	167	2 MP	2/3"	CMV2000
STC-MBS231U3V	STC-MCS231U3V	41	2.3 MP	1/1.2"	IMX249
STC-MBS241U3V	STC-MCS241U3V	163	2.3 MP	1/1.2"	IMX174
STC-MBS312U3V	STC-MCS312U3V	56	3 MP	1/1.8"	IMX265
STC-MBS322U3V	STC-MCS322U3V	121	3 MP	1/1.8"	IMX252
STC-MBCM401U3V	STC-MCCM401U3V	89	4 MP	1"	CMV4000
STC-MBS500U3V	STC-MCS500U3V	36	5 MP	2/3"	IMX264
STC-MBS510U3V	STC-MCS510U3V	75	5 MP	2/3"	IMX250
STC-MBA5MUSB3	STC-MCA5MUSB3	14	5 MP	1/2.5"	MT9P031/12ST
STC-MBS881U3V	STC-MCS881U3V	32.2	8.9 MP	1"	IMX267
STC-MBS891U3V	STC-MCS891U3V	42.3	8.9 MP	1"	IMX255
STC-MBS122BU3V	STC-MCS122BU3V	23.4	12 MP	1.1"	IMX304
STC-MBS123BU3V	STC-MCS123BU3V	30.5	12 MP	1.1"	IMX253