

# e2v INDUSTRIAL LINE SCAN CAMERA GUIDE



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CAMERA DESCRIPTION			GENERAL				SENSOR PERFORMANCES					CAMERA FEATURES			
CAMERA	PART NUMBER	NUMBER OF ACTIVE PIXELS	MAXIMUM LINE RATE (KHz)	MONO/ COLOUR	BIT DEPTH	INTERFACE	PIXEL SIZE (µm)	MAX PEAK RESPONSIVITY (12bits LSB/nl/cm2)	DYNAMIC RANGE (dB)	MAXIMUM PIXEL RESPONSE NON UNIFORMITY BEFORE CORRECTION (%)	SIZE W X H X L (mm)	OPTIONAL LENS MOUNT	POWER CONSUMPTION (W)	FLAT FIELD CORRECTION	REGULATORY COMPLIANT

## UNIiQA+ CMOS FAMILY

High-Speed	EV71YC1MCL4005-BA3	4k / 2k / 1k / 0.5k	100	Mono	8, 10 or 12	Camera Link	5 / 10	139 in 5µm / 557 in 10µm	70 in 5µm / 73 in 10µm	3	60 x 60 x 34	M42 x 1, F, C	<3.5	yes	CE, FFC, RoHS and RoHS China
	EV71YC1MCL4005-BA1	4k	100	Mono	8, 10 or 12	Camera Link	5	139	70	3	60 x 60 x 34	M42 x 1, F, C	<3.5	yes	CE, FFC, RoHS and RoHS China
	EV71YC1MCL2010-BA1	2k	100	Mono	8, 10 or 12	Camera Link	10	557	73	3	60 x 60 x 34	M42 x 1, F, C	<3.5	yes	CE, FFC, RoHS and RoHS China
Essential	EV71YC1MCL4005-BA2	4k / 2k / 1k / 0.5k	20 / 40	Mono	8, 10 or 12	Camera Link	5 / 10	139 in 5µm / 557 in 10µm	70 in 5µm / 73 in 10µm	3	60 x 60 x 34	M42 x 1, F, C	<3.5	yes	CE, FFC, RoHS and RoHS China
	EV71YC1MCL4005-BA0	4k	20	Mono	8, 10 or 12	Camera Link	5	139	70	3	60 x 60 x 34	M42 x 1, F, C	<3.5	yes	CE, FFC, RoHS and RoHS China
	EV71YC1MCL2010-BA0	2k	40	Mono	8, 10 or 12	Camera Link	10	557	73	3	60 x 60 x 34	M42 x 1, F, C	<3.5	yes	CE, FFC, RoHS and RoHS China
High-Speed Colour	EV71YC1CCL4005-BA3	4k / 2k / 1k / 0.5k	40 / 80	Colour	8	Camera Link	5 / 10	RGB: 5.9 / 5.6 / 4.2 in 8bits	70	3	60 x 60 x 34	M42 x 1, F, C	<4	yes	CE, FFC, RoHS and RoHS China
	EV71YC1CCL2010-BA1	4k	40	Colour	8	Camera Link	5	RGB: 5.9 / 5.6 / 4.2 in 8bits	70	3	60 x 60 x 34	M42 x 1, F, C	<4	yes	CE, FFC, RoHS and RoHS China
	EV71YC1CCL2010-BA1	2k	80	Colour	8	Camera Link	10	RGB: 5.9 / 5.6 / 4.2 in 8bits	70	3	60 x 60 x 34	M42 x 1, F, C	<4	yes	CE, FFC, RoHS and RoHS China
Essential Colour	EV71YC1CCL4005-BA2	4k / 2k / 1k / 0.5k	20 / 40	Colour	8	Camera Link	5 / 10	RGB: 5.9 / 5.6 / 4.2 in 8bits	70	3	60 x 60 x 34	M42 x 1, F, C	<4	yes	CE, FFC, RoHS and RoHS China
	EV71YC1CCL4005-BA0	4k	20	Colour	8	Camera Link	5	RGB: 5.9 / 5.6 / 4.2 in 8bits	70	3	60 x 60 x 34	M42 x 1, F, C	<4	yes	CE, FFC, RoHS and RoHS China
	EV71YC1CCL2010-BA0	2k	40	Colour	8	Camera Link	10	RGB: 5.9 / 5.6 / 4.2 in 8bits	70	3	60 x 60 x 34	M42 x 1, F, C	<4	yes	CE, FFC, RoHS and RoHS China
High-resolution	EV71YC1MCL1605-BA0	16k / 8k	50	Mono	8, 10 or 12	Camera Link	5 / 10	139	70	3	100 x 156 x 36	M95 x 1	<13	yes	CE, FFC, RoHS

## ELiXA+ CMOS FAMILY

16k/8k	EV71YC4MCP1605-BA0	16k / 8k	100	Mono	8, 10 or 12	CXP	5 / 10	557	68	3	100 x 156 x 36	M95 x 1	<16	yes	CE, FFC, RoHS
	EV71YC4MCL1605-BA1	16k / 8k	40 / 80	Mono	8 or 12	Camera Link	5 / 10	557	68	3	100 x 156 x 36	M95 x 1	<13	yes	CE, FFC, RoHS
8k/4k	EV71YC4MCL8005-BA0	8k / 4k	40 / 80	Mono	8 or 12	Camera Link	5 / 10	557	68	3	60 x 125 x 35	F, T2, M42 x 1	<7	yes	CE, FFC, RoHS
	EV71YC4MCL8005-BA1	8k / 4k	100 / 100	Mono	8 or 12	Camera Link	5 / 10	557	68	3	60 x 125 x 35	F, T2, M42 x 1	<7	yes	CE, FFC, RoHS
Colour	EV71YC4CCP1605-BA0	16k / 8k	50 / 100	Colour	8	CXP	5 / 10	RGB: 5.9 / 5.6 / 4.2 in 8bits	65	3	100 x 156 x 36	M95 x 1	<19	yes	CE, FFC, RoHS
	EV71YC4CCL8005-BA0	8k / 4k	50 / 66	Colour	8	Camera Link	5 / 10	RGB: 5.9 / 5.6 / 4.2 in 8bits	65	3	60 x 125 x 35	F, T2, M42 x 1	<9	yes	CE, FFC, RoHS
High-Speed	EV71YC4MCP1605-BA1	16k / 8k	140	Mono	8	CXP	5 / 10	557	70 in 5µm / 73 in 10µm	3	100 x 156 x 36	M95 x 1	<19	yes	CE, FFC, RoHS
	EV71YC4MCP1205-BA0	12k / 8k	200	Mono	8	CXP	5 / 10	557	70 in 5µm / 73 in 10µm	3	100 x 156 x 36	M95 x 1	<19	yes	CE, FFC, RoHS

## AViVA CCD FAMILY

SM2	EV71YSM2CL0514-BA0	0.5k	98	Mono	8, 10 or 12	CameraLink	14	170	64	10	56 x 60 x 39,4	C, F, T2, M42 x 1	< 8,5	yes	CE, FFC and RoHS
	AT71YSM2CL1010-BA0	1k	54.4	Mono	8, 10 or 12	CameraLink	10	80	64	10	56 x 60 x 39,4	C, F, T2, M42 x 1	< 8,5	yes	CE, FFC and RoHS
	EV71YSM2CL1014-BA0	1k	54.4	Mono	8, 10 or 12	CameraLink	14	170	64	10	56 x 60 x 39,4	C, F, T2, M42 x 1	< 8,5	yes	CE, FFC and RoHS
	AT71YSM2CL2010-BA0	2k	28.7	Mono	8, 10 or 12	CameraLink	10	80	64	10	56 x 60 x 39,4	C, F, T2, M42 x 1	< 7	yes	CE, FFC and RoHS
	AT71YSM2CL2014-BA0	2k	28.7	Mono	8, 10 or 12	CameraLink	14	170	64	10	56 x 60 x 39,4	F, T2, M42 x 1	< 7	yes	CE, FFC and RoHS
	AT71YSM2CL4010-BA0	4k	14.8	Mono	8, 10 or 12	CameraLink	10	80	64	10	56 x 60 x 39,4	F, T2, M42 x 1	< 7	yes	CE, FFC and RoHS
SC2	AT71YSC2CL4010-BA1	1.3k	14.8	Colour	8, 10 or 12	CameraLink	30 x 10	RGB: 41 / 31,5 / 21,5	64	10	56 x 60 x 39,4	F, T2, M42 x 1	< 8,5	yes	CE, FFC and RoHS
UM2	EV71YUM2GE1010-BA0	1k	54.4	Mono	8, 10 or 12	GigaBit Ethernet	10	80	64	10	56 x 60 x 39,4	C, F, T2, M42 x 1	< 7	yes	CE, FFC and RoHS
	EV71YUM2GE2010-BA0	2k	28.7	Mono	8, 10 or 12	GigaBit Ethernet	10	80	64	10	56 x 60 x 39,4	C, F, T2, M42 x 1	< 7	yes	CE, FFC and RoHS
	EV71YUM2GE2014-BA0	2k	28.7	Mono	8, 10 or 12	GigaBit Ethernet	14	170	64	10	56 x 60 x 39,4	C, F, T2, M42 x 1	< 7	yes	CE, FFC and RoHS
	EV71YUM2GE4010-BA0	4k	14.8	Mono	8, 10 or 12	GigaBit Ethernet	10	80	64	10	56 x 60 x 39,4	C, F, T2, M42 x 1	< 7	yes	CE, FFC and RoHS
UC2	EV71YUC2GE4010-BA1	1.3k	14.8	Colour	8, 10 or 12	GigaBit Ethernet	30 x 10	RGB: 41 / 31,5 / 21,5	64	10	56 x 60 x 39,4	F, T2, M42 x 1	< 9	yes	CE, FFC and RoHS

## AViVA 2 CCD FAMILY

EM2	EV71YEM2CL0514-BA0	0.5k	126	Mono	8, 10 or 12	CameraLink	14	185	68	3	60 x 56 x 43	C, F, T2, M42 x 1	< 11	yes	CE, FFC and RoHS
	EV71YEM2CL1014-BA0	1k	70	Mono	8, 10 or 12	CameraLink	14	185	68	3	60 x 56 x 43	C, F, T2, M42 x 1	< 11	yes	CE, FFC and RoHS
	EV71YEM2CL2014-BA0	2k	37	Mono	8, 10 or 12	CameraLink	14	185	68	3	60 x 56 x 43	F, T2, M42 x 1	< 11	yes	CE, FFC and RoHS
	EV71YEM2CL4010-BA0	4k	19	Mono	8, 10 or 12	CameraLink	10	100	68	3	60 x 56 x 43	F, T2, M42 x 1	< 11	yes	CE, FFC and RoHS
EM4	EV71YEM4CL0514-BA0	0.5k	210	Mono	8, 10 or 12	CameraLink	14	185	68	3	60 x 56 x 43	C, F, T2, M42 x 1	< 11	yes	CE, FFC and RoHS
	EV71YEM4CL1014-BA0	1k	126	Mono	8, 10 or 12	CameraLink	14	185	68	3	60 x 56 x 43	C, F, T2, M42 x 1	< 11	yes	CE, FFC and RoHS
	EV71YEM4CL2014-BA0	2k	70	Mono	8, 10 or 12	CameraLink	14	185	68	3	60 x 56 x 43	F, T2, M42 x 1	< 11	yes	CE, FFC and RoHS
	EV71YEM4CL4010-BA0	4k	37	Mono	8, 10 or 12	CameraLink	10	100	68	3	60 x 56 x 43	F, T2, M42 x 1	< 11	yes	CE, FFC and RoHS
EM1	EV71YEM1GE0514-BA0	0.5k	175	Mono	8 or 12	GigaBit Ethernet	14	185	68	3	60 x 56 x 49	C, F, T2, M42 x 1	< 11	yes	CE, FFC and RoHS
	EV71YEM1GE1014-BA0	1k	102	Mono	8 or 12	GigaBit Ethernet	14	185	68	3	60 x 56 x 49	C, F, T2, M42 x 1	< 11	yes	CE, FFC and RoHS
	EV71YEM1GE2014-BA0	2k	55	Mono	8 or 12	GigaBit Ethernet	14	185	68	3	60 x 56 x 49	F, T2, M42 x 1	< 11	yes	CE, FFC and RoHS
	EV71YEM1GE4010-BA0	4k	29	Mono	8 or 12	GigaBit Ethernet	10	100	68	3	60 x 56 x 49	F, T2, M42 x 1	< 11	yes	CE, FFC and RoHS

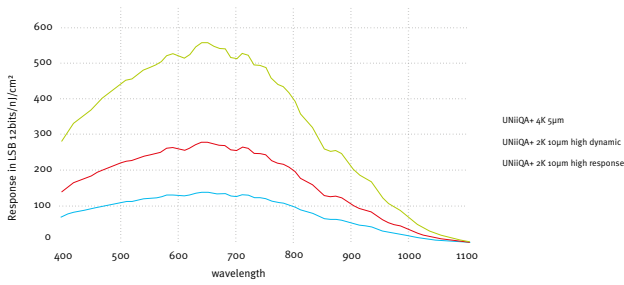
## ELiXA CCD FAMILY

UC8	EV71YUC8CL4010-BA0	3 x 4k	18	Colour	8, 10 or 12	CameraLink	10	RGB: 70 / 88 / 66	64	10	70 x 76 x 54	F, T2, M42 x 1	< 15	yes	CE, FFC and RoHS
	EV71YUC8CL4010-BA1	4 x 4k	18	Colour and Mono	8, 10 or 12	CameraLink	10	RGB / Mono : 70 / 88 / 66 / 109	64	10	70 x 76 x 54	F, T2, M42 x 1	< 15	yes	CE, FFC and RoHS
	EV71YUC8CL4010-BA2	4 x 4k	18	Colour and NIR	8, 10 or 12	CameraLink	10	RGB / NIR : 123 / 95 / 68 / 90	64	10	70 x 76 x 54	F, T2, M42 x 1	< 15	yes	CE, FFC and RoHS
UC4	EV71YUC4CL4010-BA0	3 x 4k	13	Colour	8, 10 or 12	CameraLink	10	RGB: 70 / 88 / 66	64	10	70 x 76 x 54	F, T2, M42 x 1	< 15	yes	CE, FFC and RoHS
	EV71YUC4CL4010-BA1	4 x 4k	13	Colour and Mono	8, 10 or 12	CameraLink	10	RGB / Mono : 70 / 88 / 66 / 109	64	10	70 x 76 x 54	F, T2, M42 x 1	< 15	yes	CE, FFC and RoHS
	EV71YUC4CL4010-BA2	4 x 4k	13	Colour and NIR	8, 10 or 12	CameraLink	10	RGB / NIR : 123 / 95 / 68 / 90	64	10	70 x 76 x 54	F, T2, M42 x 1	< 15	yes	CE, FFC and RoHS

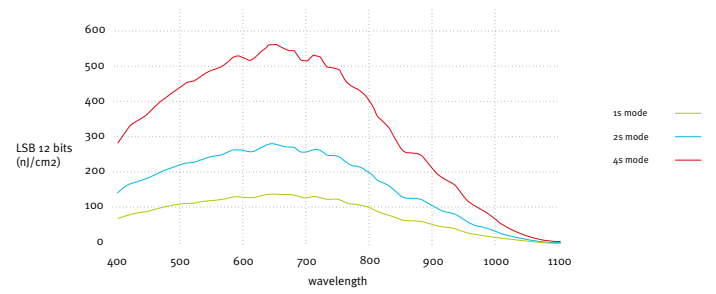
## DIVIINA CCD FAMILY

LM1	EV50YLM1GE1010-BA0	1k	35.7	Mono	8	GigaBit Ethernet	10	3.9	58	10	60 x 60 x 42	C, F, M42 x 1	< 6	yes	CE, FFC and RoHS
	EV50YLM1GE2010-BA0	2k	18	Mono	8	GigaBit Ethernet	10	3.9	58	10	60 x 60 x 42	C, F, M42 x 1	< 7	yes	CE, FFC and RoHS
	EV50YLM1GE2014-BA0	2k	18	Mono	8	GigaBit Ethernet	14	8.2	58	10	60 x 60 x 42	F, T2, M42 x 1	< 7	yes	CE, FFC and RoHS
	EV50YLM1GE4010-BA0	4k	9.5	Mono	8	GigaBit Ethernet	10	3.9	58	10	60 x 60 x 42	F, T2, M42 x 1	< 7	yes	CE, FFC and RoHS

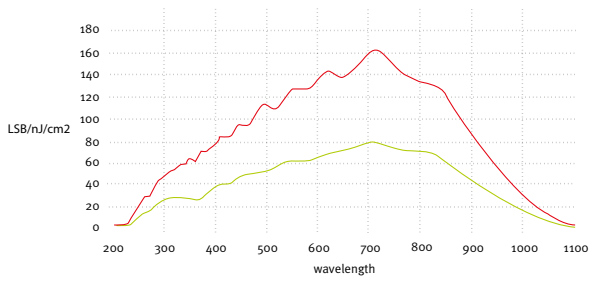
### SPECTRAL RESPONSE UNiQA+ IN LSB 12BITS /NJ/CM2



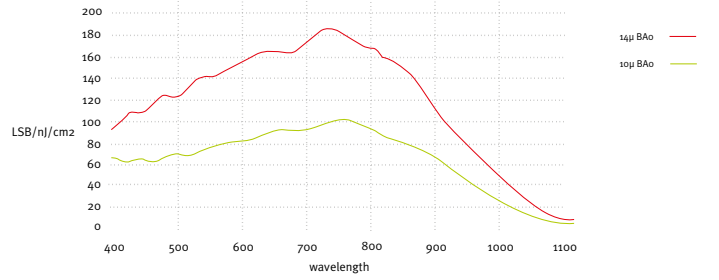
### SPECTRAL RESPONSE ELiXA + IN LSB 12BITS /NJ/CM2



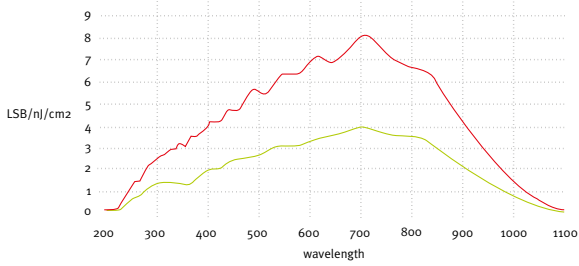
### SPECTRAL RESPONSE AViVA SM2/UM2 IN LSB 12BITS /NJ/CM2



### SPECTRAL RESPONSE AViVA2 EMX IN LSB 12BITS /NJ/CM2



### SPECTRAL RESPONSE DiViNA IN LSB 8BITS /NJ/CM2



### SPECTRAL RESPONSE ELiXA UC4/UC8 IN LSB 12BITS /NJ/CM2 WITHOUT FILTER

