

## XF / XC series

- All available VeriSens® feature checking tools
- High-speed mode with up to 100 checks per second
- 360° part recognition using FEXLoc® for part location
- Coordinate conversion, process interface, user level, and test mode, etc.

Product	Item number	Type name	Lens / Illumination	Resolution [px]	Sensor type
XF series	11039658	VS XF100M03W10EP	10 mm / White, integrated	752 × 480	CMOS 1/3"
	11039659	VS XF100M03W16EP	16 mm / White, integrated	752 × 480	CMOS 1/3"
	11102229	VS XF100M03I10EP	10 mm / Infrared, integrated	752 × 480	CMOS 1/3"
	11039656	VS XF200M03W10EP	10 mm / White, integrated	752 × 480	CMOS 1/3"
	11039657	VS XF200M03W16EP	16 mm / White, integrated	752 × 480	CMOS 1/3"
	11089899	VS XF200M03I10EP	10 mm / Infrared, integrated	752 × 480	CMOS 1/3"
XC series	11086398	VS XC100M03X00EP	C-mount / Integrated flash controller	640 × 480	CCD 1/4"
	11086399	VS XC100M12X00EP	C-mount / Integrated flash controller	1280 × 960	CCD 1/3"
	11086410	VS XC100M20X00EP	C-mount / Integrated flash controller	1600 × 1200	CCD 1/1.8"
	11086175	VS XC200M03X00EP	C-mount / Integrated flash controller	640 × 480	CCD 1/4"
	11086176	VS XC200M12X00EP	C-mount / Integrated flash controller	1280 × 960	CCD 1/3"
	11086177	VS XC200M20X00EP	C-mount / Integrated flash controller	1600 × 1200	CCD 1/1.8"

## CS / ID series



- Particularly conceived for tasks in checking and sorting or for reading plain text and 1D / 2D codes
- 360° part recognition using FEXLoc® for part location at changing positions
- Part sorting using 5 freely definable outputs
- Optical character recognition and verification (OCR / OCV) without font training

Product	Item number	Type name	Lens / Illumination	Resolution [px]	Sensor type
CS series	11048500	VS CS100M03W10EP	10 mm / White, integrated	752 × 480	CMOS 1/3"
	11076261	VS CS100M03W16EP	16 mm / White, integrated	752 × 480	CMOS 1/3"
	11089900	VS CS100M03I10EP	10 mm / Infrared, integrated	752 × 480	CMOS 1/3"
	11093026	VS CS100M03I16EP	16 mm / Infrared, integrated	752 × 480	CMOS 1/3"
ID series	11048489	VS ID100M03W10RP	10 mm / White, integrated	752 × 480	CMOS 1/3"
	11076263	VS ID100M03W16RP	16 mm / White, integrated	752 × 480	CMOS 1/3"
	11048484	VS ID110M03W10EP	10 mm / White, integrated	752 × 480	CMOS 1/3"
	11089896	VS ID110M03I10EP	10 mm / Infrared, integrated	752 × 480	CMOS 1/3"







### Lab setup accessories (optional)

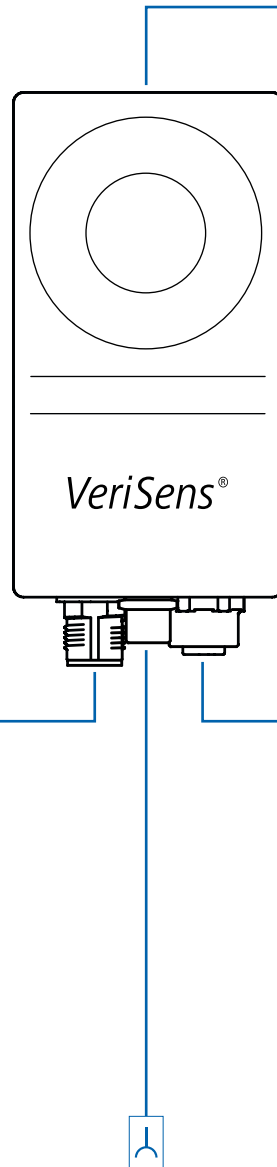
11048083	Connecting cables VeriSens®, 2 m, ready-for-use DC socket
11079750	Power supply 24 V / 1 A, plugs for EU, US, UK, AU, KR
11051407	Laboratory stand, hinged bracket, mounting material

### Mounting accessories (optional)

10159905	Straight mounting	
10159906	90° mounting angle	

### Connecting cables shielded, to free cable end

11048452	2 m	
11043780	5 m	
11048455	10 m	
11048456	2 m	
11043785	5 m	
11048458	10 m	



### Changeable lenses (VeriSens® XC series only)

See on reverse

### Lens accessories (optional)


11088325	XC Tube, length 44 mm (included in delivery)
11089149	XC Tube Module, tube extension 12 mm
11010529	Close-up ring set 6-part, 0.5/1/5/10/20/40 mm
11092000	Pentax® polarization filter <sup>1)</sup> , linear, filter thread 27 mm
11006551	Pentax® color filter <sup>1)</sup> (red), filter thread 27 mm

<sup>1)</sup> Compatible to lenses with Item No. 11002840 / 11002877 / 11004362 / 10170039 / 11002222 / 11003417 / 11012785





### Ethernet cables shielded, to RJ-45 plug

2 m	11048502
5 m	10165276
10 m	11051929
2 m	11048592
5 m	11048594
10 m	11051950




### Monitor (All-in-one PC, optional)

11093293	(X-PPC-710-V1107, 10.4", 1024 × 768 px, Stylus)	
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### Illumination cables (VeriSens® XC series only)

11088882	1.5 m	Extension cable shielded, male conn. straight M8, to female conn. straight M8	
11089179	0.3 m	Adapter cable, male connector straight M8, to JST SMP-03V (3-pin)	
11089178	0.3 m	Adapter cable, male connector straight M8, to JST SMP-02V (2-pin)	
10163693	2 m	Adapter cable, free cable end, to female connector straight M8	

### Illumination brackets

11092203	Set of mounting brackets, small (57 mm) for LED ring light FLDR-i90B-W to VeriSens® XC series	
11092204	Set of mounting brackets, large (93 mm) for LED ring light FLDR-i90B-W to VeriSens® XC series	
11076264	Illumination mounting kit for VB Bar Light 74 (Item No. 11081785) to VeriSens®	

### External illumination modules

See on reverse

## Changeable lenses (C-mount)

Item No.	Type name	Focal distance	Aperture speed range	Min. distance	Max. lens length <sup>1)</sup>
11037579	Obj Pentax H416(KP) 1.2/4.2 mm <sup>2)3)</sup>	4.2 mm	F1.6 - C	0.20 m	48 mm
11002840	Obj Pentax H612A(KP) 1.2/6 mm <sup>2)3)</sup>	6 mm	F1.2 - C	0.20 m	46 mm
11002877	Obj Pentax C815B(KP) 1.5/8.5 mm <sup>3)</sup>	8.5 mm	F1.5 - C	0.20 m	40 mm
11004362	Obj Pentax H1214-M(KP) 1.4/12 mm <sup>2)</sup>	12 mm	F1.4 - 16	0.25 m	29 mm
10170039	Obj Pentax C1614-M(KP) 1.4/16 mm	16 mm	F1.4 - 16	0.25 m	34 mm
11002222	Obj Pentax C2514-M(KP) 1.4/25 mm	25 mm	F1.4 - 16	0.25 m	33 mm
11003417	Obj Pentax C3516-M(KP) 1.6/35 mm	35 mm	F1.6 - 16	0.45 m	36 mm
11012785	Obj Pentax C5028-M(KP) 2.8/50 mm	50 mm	F2.8 - 22	0.90 m	34 mm
11003041	Obj Pentax C7528-M(KP) 2.8/75 mm <sup>3)</sup>	75 mm	F2.8 - 32	0.70 m	70 mm











<sup>1)</sup> Measured from C-mount support (see XC series scale drawing)

<sup>2)</sup> Incompatible to VeriSens® with sensor format 1/1.8" (VS XC100M20X00EP, VS XC200M20X00EP)

<sup>3)</sup> XC Tube Module (Item No. 11089149) is required in the following quantity:

1 piece for Item No. 11002840 / 11002877, 2 pcs for Item No. 11037579, 3 pcs for Item No. 11003041

## External illumination modules

Item No.	Type name	Product description	External dimension Illuminated area	
11085869	FLDR-i90B-W	LED ring light, XCF <sup>4)</sup> , white, 30 cm cable	Ø 93.5 mm, H=24.6 mm Ø 87.5 mm	
11090900	FLDR-i90B-IR24	LED ring light, XCF <sup>4)</sup> , IR 880 nm, 30 cm cable	Ø 93.5 mm, H=24.6 mm Ø 87.5 mm	
11081785	VB Bar Light 74	LED bar light, XCP <sup>5)</sup> , white, 40 cm cable	75 × 30 mm, H=60 mm 65 × 22 mm	
11086539	FLDL-i150x15-W	LED bar light, XCF <sup>4)</sup> , white, diffuse, 100 cm cable	158 × 17.5 mm, H=20 mm 148 × 15 mm	
11086540	FFPR-i100-W	LED dark field light, XCF <sup>4)</sup> , white, diffuse, 30 cm cable	Ø 100 mm, H=40 mm Ø 94.6 mm	
11086541	FLDM-Si100-W	LED dome light, XCF <sup>4)</sup> , white, 30 cm cable	Ø 130 mm, H=623 mm Ø 80 mm	
11086535	FLDM-Si250-W	LED dome light, XCF <sup>4)</sup> , white, 30 cm cable	Ø 280 mm, H=133 mm Ø 220 mm	
11086536	FLDL-TP-Si36-W	LED back light, XCF <sup>4)</sup> , white, diffuse, 100 cm cable	47 × 47 mm, H=15 mm 36 × 36 mm	
11086538	FLDL-TP-Si85x77-W	LED back light, XCF <sup>4)</sup> , white, diffuse, 100 cm cable	95 × 95 mm, H=15 mm 85 × 77 mm	
11086537	FLDL-TP-Si200x100-W	LED back light, XCF <sup>4)</sup> , white, diffuse, 100 cm cable	214 × 112 mm, H=25 mm 200 × 100 mm	

<sup>4)</sup> XCF: XC compatible, continuous and flash mode possible

<sup>5)</sup> XCP: XC compatible, only continuous mode possible