



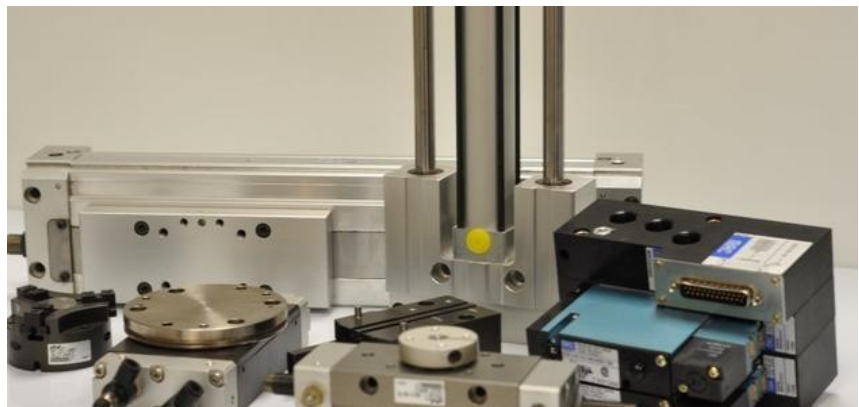
**PNEUMATIC AUTOMATION,  
MOTION & ELECTRICAL  
CONTROL PRODUCT  
GUIDE**



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2010

Version 3.0





## Cameras



## Lenses





















## Lighting



### Features

- VGA (640X 480) Monochrome or Color CCD Sensor, up to 60 images per second.
- High resolution 1024X 768 and 1280X960, up to 24 images per second, monochrome.
- Image capture control through external or software trigger

Appearance	Part Number	Description	Price
	 BVS-0640M-INS	BOA 640X480 Mono embedded iNspec Sofwarre	\$1995
	 BVS-0640C-INS	BOA 640X480 Color embedded iNspec Sofwarre	\$2295
	 BVS-1280M-INS	BOA 1280X960 Mono with embedded iNspec Express Software	\$2595
	 BVS-0640M-INS	BOA 640x480 Mono with embedded iNspec Express Software	\$1,995
	 BVS20-0640M-INS	BOA 640x480 Mono with embedded iNspec Express Software (20% faster)	\$2,195
	 BVS-0640C-INS	BOA 648x480 Color with embedded iNspec Express Software	\$2,295
	 BVS20-0640C-INS	BOA 648x480 Color with embedded iNspec Express Software (20% faster)	\$2,495
	 BVS-1024M-INS	BOA 1024x768 Mono with embedded iNspec Express Software	\$2,295
	 BVS-1024C-INS	BOA 1024x768 Color with embedded iNspec Express Software	\$2,595
	 BVS-1280M-INS	BOA 1280x960 Mono with embedded iNspec Express Software	\$2,595
	 BVS-0640M-SH	BOA 640x480 Mono with embedded Sherlock Software	\$2,495
	 BVS-0640C-SH	BOA 648x480 Color with embedded Sherlock Software	\$2,795
	 BVS-1024M-SH	BOA 1024x768 Mono with embedded Sherlock Software	\$2,795

Appearance	Part Number	Description	Price
	 A-BVS-E8S-5	BOA Ethernet Cordset (M12/RJ45) 5 meter shielded	\$80
	 A-BVS-IO85-5	BOA I/O Cordset (M12/open) 5 meter (pwr, trigger, I/O) shielded	\$70
	 A-BVS-PL-100	BOA Panel Link breakout Module	\$150
	 A-BVS-MB-0	BOA Mounting Bracket	\$60

## Balluff Sharp Shooter

### Features

- Eliminate manual inspection, and improve line speed and quality
- Catch errors quicker, and reduce downtime and scrap
- Replace multi-sensor applications with one vision sensor
- Ensure reliable quality inspection with VGA resolution
- Pay sensor pricing for vision performance



Contact our sales team for product selection.

Appearance	Part Number	Description	Price Range
	BVS-E Standard	<ul style="list-style-type: none"> <li>• Most application can be solves with standard model</li> <li>• Configured using Convis software for Windows</li> <li>• Up to 24 tools per job</li> </ul>	Starting at \$1378
	BVS-E Advanced	<ul style="list-style-type: none"> <li>• All features of the standard model</li> <li>• Track a part 360 with geometric pattern match tool</li> <li>• For high speed applications</li> <li>• Configurable Boolean logic for outputs</li> </ul>	Starting at \$1840
	BVS-C Standalone	<ul style="list-style-type: none"> <li>• OCV (Optical Character Verification) tool</li> <li>• Continuous monitoring of process of Configurator</li> <li>• Standalone Configurator for setup—No PC needed</li> </ul>	Starting at \$1928
	BVC-E Identification	<ul style="list-style-type: none"> <li>• Detect and identify most common 1D barcodes</li> <li>• Verify or read 2D data matrix codes including ECC200 Data Matrix codes to a minimum of 0.10 mm</li> </ul>	Starting at \$1190

Vision

### BOA Vision System (Smart Camera)

Appearance	Part Number	Description	Price
	BVS-0640M-INS	BOA 640x480 Mono with embedded iInspect Express Software	\$1,995
	BVS20-0640M-INS	BOA 640x480 Mono with embedded iInspect Express Software (20% faster)	\$2,195
	BVS-0640C-INS	BOA 648x480 Color with embedded iInspect Express Software	\$2,295
	BVS20-0640C-INS	BOA 648x480 Color with embedded iInspect Express Software (20% faster)	\$2,495
	BVS-1024M-INS	BOA 1024x768 Mono with embedded iInspect Express Software	\$2,295
	BVS-1024C-INS	BOA 1024x768 Color with embedded iInspect Express Software	\$2,595
	BVS-1280M-INS	BOA 1280x960 Mono with embedded iInspect Express Software	\$2,595
	BVS-0640M-SH	BOA 640x480 Mono with embedded Sherlock Software	\$2,495
	BVS-0640C-SH	BOA 648x480 Color with embedded Sherlock Software	\$2,795
	BVS-1024M-SH	BOA 1024x768 Mono with embedded Sherlock Software	\$2,795
	BVS-1024C-SH	BOA 1024x768 Color with embedded Sherlock Software	\$3,095
	BVS-1280M-SH	BOA 1280x960 Mono with embedded Sherlock Software	\$3,095

### BOA Software Accessories











	BVS-HMI-SDK	BOAView display application (site SDK + runtime license for 1 HMI)	\$500
	BVS-HMI-RT	BOAView display application (runtime license for 1 HMI)	\$250

### BOA Hardware Accessories

	A-BVS-E8S-5	BOA Ethernet Cordset (M12/RJ45) 5 meter shielded	\$80
	A-BVS-E8S-10	BOA Ethernet Cordset (M12/RJ45) 10 meter shielded	\$105
	A-BVS-IO8S-5	BOA I/O Cordset (M12/open) 5 meter (pwr, trigger, I/O) shielded	\$70
	A-BVS-IO8S-10	BOA I/O Cordset (M12/open) 10 meter (pwr, trigger, I/O) Shielded	\$90
	A-BVS-L5S-5	BOA Lamp/Serial Cordset (M12/open) 5 meter (pwr, strobe, RS232) shielded	\$60
	A-BVS-L5S-10	BOA Lamp/Serial Cordset (M12/open) 5 meter (pwr, strobe, RS232) shielded	\$80
	A-BVS-PL-100	BOA Panel Link breakout Module	\$150
	A-BVS-PL-200-IOE	BOA Panel Link breakout Module (I/O Exp for 1 camera + Ethernet switch)	\$750
	A-BVS-PL-200-IO	BOA Panel Link breakout Module (I/O Exp for 1 camera)	\$500
	A-BVS-PL-200-E	BOA Panel Link breakout Module (Ethernet switch)	\$250
	A-BVS-LCG-40	BOA glass Lens cover kit (incl. gasket). 40 mm max lens length excl. thread	\$125
	A-BVS-LCG-45	BOA glass Lens cover kit (incl. gasket). 45 mm max lens length excl. thread	\$125
	A-BVS-LCG-RG	Replacement lens cover windows (5 pack)	\$50
	A-BVS-LSS-F	Set screw kit for Fujinon supported lenses (screws + hex tool)	\$15
	A-BVS-M12-P	IP67 rated plug for single unused BOA M12 connector	\$10
	A-BVS-MB-0	BOA Mounting Bracket	\$60

## DALSA Fujinon 2/3" Lenses

Features:

Appearance	Part Number	Description	Price
	 LFC-12.5F	Fujinon 2/3" 12.5mm Lens F/1.4	\$230.00
	 LFC-16F	Fujinon 2/3" 16mm Lens F/1.4	\$230.00
	 LFC-25F	Fujinon 2/3" 25mm Lens F/1.4	\$230.00
	 LFC-50F	Fujinon 2/3" 50mm Lens F/1.4	\$250.00
	 LFC-75F	Fujinon 2/3" 75mm Lens F/1.4	\$300.00

## Advanced Illumination

For lights that require a trigger controller, use a strobe controller. 24VDC lights have flying leads that can be hooked up directly to a 24VDC power supply.

Appearance	Part Number	Description	Price
	SL2507-660	SPOT LIGHT RED 0.910" OD (TRIGGER CONTROLLER)	\$189.00
	SL2507-WHI	SPOT LIGHT WHITE 0.910" OD (TRIGGER CONTROLLER)	\$212.00
	DL2449-660	AXIAL DIFFUSE 2" X 2" RED (TRIGGER CONTROLLER)	\$595.00
	DL106-625	DIFFUSE LIGHT DOME 5.25" OD RED (TRIGGER CONTROLLER)	\$785.00
	RL3536-660	DARK FIELD RING LIGHT 4.98" OD, 3" WD, 4" FOV RED (TRIGGER CONTROLLER)	\$605.00
	RL3536-WHI	DARK FIELD RING LIGHT 4.98" OD, 3" WD, 4" FOV WHITE (TRIGGER CONTROLLER)	\$723.00
	RL3536-660-24V	DARK FIELD RING LIGHT 4.98" OD, 3" WD, 4" FOV RED 24VDC	\$645.00
	RL1660-660	DARK FIELD RING LIGHT RED 0.5" WD, 1" FOV (TRIGGER CONTROLLER)	\$819.00
	RL1424-660	RING LIGHT 3.33" OD RED (TRIGGER CONTROLLER)	\$390.00
	RL1424-WHI	RING LIGHT 3.33" OD WHITE (TRIGGER CONTROLLER)	\$460.00
	RL1424-WHI-24V	RING LIGHT 3.33" OD RED 24V	\$500.00
	BL040401-66024	BACK LIGHT 4"X4", 24VDC RED	\$634.00
	LL6324-WHI24	LINEAR ARRAY 24" HIGH CURRENT LED WHITE 24VDC	\$1464.00
	LL6212-WHI24	LINEAR ARRAY 12" HIGH CURRENT LED WHITE 24VDC	\$787.00
	AL4424-660	BROAD AREA LINEAR ARRAY LED 4" RED (TRIGGER CONTROLLER)	\$431.00
	AL4424-WHI24	BROAD AREA LINEAR ARRAY LED 4" WHITE 24VDC	\$590.00
	S4000	STROBE CONTROLLER, PC INTERFACE, SINGLE OUTPUT	\$780.00
	S6000	STROBE CONTROLLER, PC INTERFACE, DUAL OUTPUT	\$1295.00

