

Technical Accessory Guides (TAGs) FS VS Scanners



For Associates, Resellers, ISVs and Alliance Partners

Global



Version: Active Only

Will only show products that are known
to be available for sale

Need to provide an
update or change?
Contact
tb3655@zebra.com






For Internal Use by
PartnerConnect Members Only

Proprietary and Confidential. ZEBRA and the stylized Zebra head are trademarks of Zebra Technologies Corp., registered in many jurisdictions worldwide.
All other trademarks are the property of their respective owners. ©Zebra Technologies Corp. and/or its affiliates. All rights reserved.

This document and the information contained therein (Information) are Zebra- confidential, and are provided under, and subject to, the confidentiality provision of your PartnerConnect agreement with Zebra. Any public disclosure (via posting on your website or otherwise) of the Information is strictly prohibited and will be considered a violation of your PartnerConnect agreement with Zebra.

Note: This document is only for general reference. Solutions Pathway and related PMBs should be used for product availability, pricing, and final solution selection. Zebra does not endorse or specifically recommend any third-party products, accessories, or hardware. ZEBRA DISCLAIMS ANY AND ALL LIABILITY, INCLUDING ANY EXPRESS OR IMPLIED WARRANTIES, WHETHER ORAL OR WRITTEN, FOR SUCH THIRD PARTY PRODUCTS, ACCESSORIES, OR HARDWARE. THE CUSTOMER ACKNOWLEDGES THAT NO REPRESENTATION HAS BEEN MADE BY ZEBRA AS TO THE FITNESS OF THE THIRD-PARTY PRODUCTS, ACCESSORIES, OR HARDWARE FOR THE CUSTOMER'S INTENDED PURPOSE.

Communication Cables				
USB Cables				
Part Number	Picture	Description	Notes	Required Items
CBL-USB00200-USC00		USB-C Cable, 2M length	<ul style="list-style-type: none"> ▶ Locking USB-C connector to USB-C. ▶ Locking connector at FS/VS device provides IP67 seal. ▶ Cable length is 2M (6.5 ft.) ▶ Shorter cable supports USB Superspeed (5 Gb/sec) communications. ▶ Cable can also provide power to FS/VS device, supporting up to 3A from host. ▶ USB-C hosts that can supply 1.5A or 3A of current will support illumination on the FS40/VS40. 3A will support maximum illumination power, 1.5A will support reduced illumination power. External illumination not supported on FS70/VS70 series, requires 24V power supply. ▶ Compatible with all FS/VS devices. 	
CBL-USB00400-USC00		USB-C Cable, 4M length	<ul style="list-style-type: none"> ▶ Locking USB-C connector to USB-C. ▶ Locking connector at FS/VS device provides IP67 seal. ▶ Cable length is 4M (13 ft.) ▶ Longer cable supports USB Highspeed (480 Mb/sec) communications. ▶ Cable can also provide power to FS/VS device, supporting up to 3A from host. ▶ USB-C hosts that can supply 1.5A or 3A of current will support illumination on the FS40/VS40. 3A will support maximum illumination power, 1.5A will support reduced illumination power. External illumination not supported on FS70/VS70 series, requires 24V power supply. ▶ Compatible with all FS/VS devices. 	
CBL-USB00200-USA00		USB-A Cable, 2M length	<ul style="list-style-type: none"> ▶ Locking USB-C connector to USB-A ▶ Locking connector at FS/VS device provides IP67 seal. ▶ Cable length is 2M (6.5 ft.) ▶ Shorter cable supports USB Superspeed (5 Gb/sec) communications. ▶ USB 3.0 Type A hosts that can supply 900mA of current can also provide power to FS/VS device. Not capable of supporting illumination on FS40/VS40 or FS70/VS70 series. ▶ Compatible with all FS/VS devices. 	

CBL-USB00400-USA00		Page 3 USB-A Cable, 4M length	<ul style="list-style-type: none"> ▶ Locking USB-C connector to USB-A ▶ Locking connector at FS/VS device provides IP67 seal. ▶ Cable length is 4M (13 ft.) ▶ Longer cable supports USB Highspeed (480 Mb/sec) communications. ▶ USB 3.0 Type A hosts that can supply 900mA of current can also provide power to FS/VS device. Not capable of supporting illumination on FS40/VS40 or FS70/VS70 series. ▶ Compatible with all FS/VS devices. 	
CBL-MATE-USA00		FS10 series USB to GPIO Mating Cable, 4M length	<ul style="list-style-type: none"> ▶ USB-A connector with flying leads to DB15 connector. ▶ Cable length is 4M (13 ft.) ▶ Provides 2 GPIO input connections (i.e. motion sensor, photoeye, HW trigger/button) and 2 GPIO output connections (i.e. light stacks, speaker, etc) to FS10. ▶ External 24V power source needed to power devices connected via GPIO. ▶ Only compatible with FS10 series devices. 	▶ FS10 series USB to GPIO Adapter Cable (CBL-ADPTR-USC00)
CBL-ADPTR-USC00		FS10 series USB to GPIO Adapter Cable	<ul style="list-style-type: none"> ▶ Locking USB-C connector to DB15 connector. ▶ Locking connector at FS/VS device provides IP67 seal. ▶ Cable length is 4M (13 ft.) ▶ Required for use with FS10 series USB to GPIO Mating Cable ▶ Only compatible with FS10 series devices. 	

Ethernet Cables				
Part Number	Picture	Description	Notes	Required Items
CBL-ENT00100-M1200		Ethernet Cable, 1M length	<ul style="list-style-type: none"> ▶ X-Coded M12 to RJ45 connectors ▶ Length is 1M (3.3 ft.) ▶ CAT6 cable supports POE+ for powering FS/VS device. ▶ Compatible with all FS/VS devices that include an Ethernet port. 	
CBL-ENT00300-M1200		Ethernet Cable, 3M length	<ul style="list-style-type: none"> ▶ X-Coded M12 to RJ45 connectors ▶ Length is 3M (10 ft.) ▶ CAT6 cable supports POE+ for powering FS/VS device. ▶ Compatible with all FS/VS devices that include an Ethernet port. 	
CBL-ENT00500-M1200		Ethernet Cable, 5M length	<ul style="list-style-type: none"> ▶ X-Coded M12 to RJ45 connectors ▶ Length is 5M (16 ft.) ▶ CAT6 cable supports POE+ for powering FS/VS device. ▶ Compatible with all FS/VS devices that include an Ethernet port. 	
CBL-ENT01500-M1200		Ethernet Cable, 15M length	<ul style="list-style-type: none"> ▶ X-Coded M12 to RJ45 connectors ▶ Length is 15M (49 ft.) ▶ CAT6 cable supports POE+ for powering FS/VS device. ▶ Compatible with all FS/VS devices that include an Ethernet port. 	

Input/Output (I/O) Breakout Blocks

I/O Blocks may be used to create cleaner installations with less cable clutter - compatible with FS/VS 40 and 70

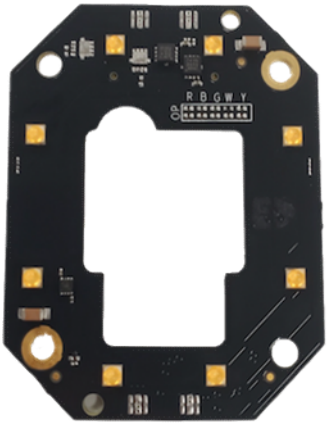
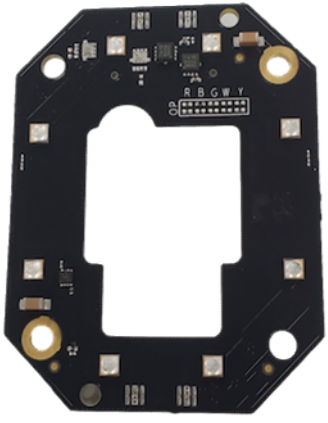
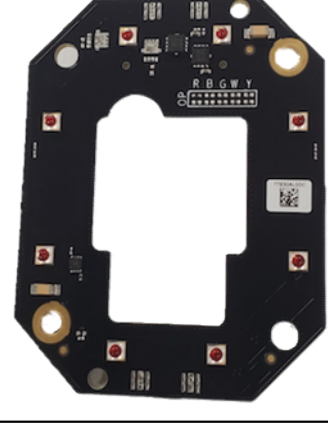
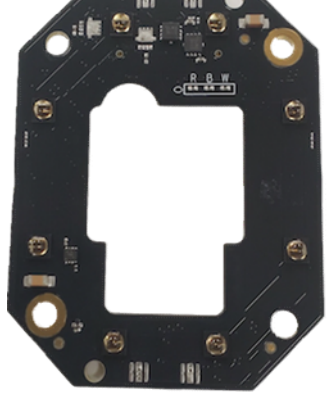


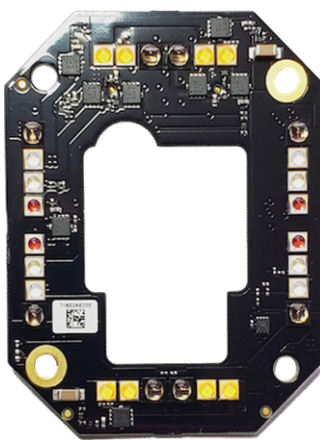
Part Number	Picture	Description	Notes	Required Items
BLOK-008PN-01 (uses PNP signals - typically used in NALA & EMEA) BLOK-008NP-01 (uses NPN signals - typically used in APAC)	A black, rectangular breakout block with multiple circular ports on its side. It has a small connector on the top left and a larger one on the bottom left.	Camera GPIO and Power Breakout Block	<ul style="list-style-type: none">► For use with FS/VS 40 and 70► Features<ul style="list-style-type: none">- 4 pin DC Power Input (power supply required)- 5 pin RS232 Serial connection- Four 5 pin GPIO connections- Two 5 pin Triiger Inputs- 5 pin DC Power Out (AUX) A schematic diagram of the breakout block showing its ports. The ports are arranged in two columns. The left column has ports labeled IN, SERIAL, AUX, ENC IN, and TRIG IN. The right column has ports labeled CAMERA, GPIO 1, GPIO 0, OUT 1, and OUT 0.	
CBL-SNS0500F-M1200	A coiled grey cable with a black connector at one end and a smaller connector at the other.	Breakout Block Pow	<ul style="list-style-type: none">► Connects Breakout Block to Power Supply (PWR-24V03A-0000 or PWR-24V05A-0000).► Connect to the IN connector on the Breakout Block.► A-coded M12 Female connector to 4 wires► Length is 5M (16 ft.) A diagram showing a close-up of the M12 female connector on the cable, with an arrow pointing to a 4-wire cable.	

CBL-SNS0500M-M1200		Page 6 Breakout Block to Camera Cable	<ul style="list-style-type: none"> ► Connects Breakout Block to FS/VS 40 and 70. ► Provides both power and GPIO/Serial to FS/VS unit. ► Connect to Power Serial and GPIO connector on the FS/VS unit and the Camera connector on the Breakout Block. ► A-coded 12 pin M12 female connector to M12 male connector ► Length is 5M (16 ft.) 	
CBL-ENT0300M-M1200		Breakout Block to external Serial/GPIO devices Cable	<ul style="list-style-type: none"> ► Connects Breakout Block to Serial/GPIO devices. ► Connect to the GPIO, Serial, AUX, Out or Trigger connector on the Breakout Block. ► A-coded M12 Male connector to 4 wires ► Length is 3M (10 ft.) 	
GPIO devices				
Part Number	Picture	Description	Notes	Required Items
QS18EP6XLPCQ8 (3rd party) * https://www.bannerengineering.com		Photo Eye	<ul style="list-style-type: none"> ► QS18 Expert Series Clear Object Sensor ► Range: 3000 mm; Input: 10-30 V dc ► Output: PNP ► M12 Integral QD ► Part Number: 97634 	




Lighting


FS40/VS40 Internal Ring Lighting

Part Number	Picture	Description	Notes	Required Items
ZLED-XS40WH-0000		FS40/VS40 Internal Ring Light, White LED	<ul style="list-style-type: none"> ► Color temperature 2700K LED ► Provides 8 LEDs, controllable in individual banks of two lights. ► White lighting is typically used when color image capture is required or when taking images of metal objects. 	
ZLED-XS40BL-0000		FS40/VS40 Internal Ring Light, Blue LED	<ul style="list-style-type: none"> ► LED wavelength: 470 nm ► Provides 8 LEDs, controllable in individual banks of two lights. ► Blue lighting is typically used with some Direct Part Mark (DPM) codes on metal and glass and may create better contrast between the mark and the background. Blue lighting can also be used to make blue parts brighter and red parts darker to maximize contrast. 	
ZLED-XS40RD-0000		FS40/VS40 Internal Ring Light, Red LED	<ul style="list-style-type: none"> ► LED wavelength: 660 nm ► Provides 8 LEDs, controllable in individual banks of two lights. ► Red lighting is typically used to capture images on paper. 	
ZLED-XS40IR-0000		FS40/VS40 Internal Ring Light, IR LED	<ul style="list-style-type: none"> ► LED wavelength: 850 nm ► Provides 8 LEDs, controllable in individual banks of two lights. ► IR lighting typically used in some of the following use cases: <ol style="list-style-type: none"> 1. Environments where users do not want to see any external lighting 2. Detecting clear liquids (i.e. how full is bottle) 3. Produce inspection (is apple bruised) 	


ZLED-XS40MC-0000		Page 8 FS40/VS40 Internal Ring Light, Multi-Color (White, Blue, Red, IR) LED	<ul style="list-style-type: none"> ► Provides 24 LEDs - 8 White, 4 Red, 4 Blue, 8 IR ► White LEDs are controllable in individual banks of 4 LEDs; IR, Red and Blue are controllable in individual banks of 2 LEDs. 	
------------------	--	---	--	--


FS40/VS40 Replacement Ring Light Covers



Part Number		Description	Notes	Required Items
ZLED-XS40PS-0000		FS40/VS40 Replacement Integrated Light Cover, Cross Polarizer - Standard Lens	<ul style="list-style-type: none"> ► Provides protective covering for LEDs and imager while reducing glare from reflective surfaces. ► Not for use when IR image capture is required. ► Used with Standard Range (SR) FS40/VS40 configs only. 	
ZLED-XS40PW-0000		FS40/VS40 Replacement Integrated Light Cover, Cross Polarizer - Wide Angle Lens	<ul style="list-style-type: none"> ► Provides protective covering for LEDs and imager while reducing glare from reflective surfaces. ► Not for use when IR image capture is required. ► Used with Wide Angle (WA) FS40/VS40 configs only. 	
ZLED-XS40CS-0000		FS40/VS40 Replacement Integrated Light Cover - Standard Lens	<ul style="list-style-type: none"> ► Provides protective covering for LEDs and imager. ► Used with Standard Range (SR) FS40/VS40 configs only. 	


ZLED-XS40CW-0000		Page 9 FS40/VS40 Replacement Integrated Light Cover - Wide Angle Lens	► Provides protective covering for LEDs and imager. ► Used with Wide Angle (WA) FS40/VS40 configs only.	
------------------	--	--	--	--

External Lighting

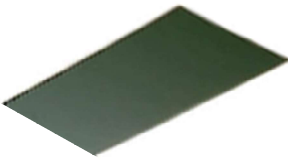


Part Number	Picture	Description	Notes	Required Items
LGHT-B100WH-0000		100mm LED Light Bar, WHITE Wavelength	► Light Bar is 100mm length ► Uses 5-PIN male M12 connector ► Light is semi-diffused ► Includes transparent and opaque filters ► White lighting is typically used when color image capture is required or when taking images of metal objects.	External Light Control Cable (CBL-LGT00000-M1200 or CBL-LGT00200-M1200)
LGHT-B100RD-0000		100mm LED Light Bar, RED-625nm Wavelength	► Light Bar is 100mm length ► Uses 5-PIN male M12 connector ► Light is semi-diffused ► Includes transparent and opaque filters ► Red lighting is typically used to capture images on paper.	
LGHT-B100BL-0000		100mm LED Light Bar, BLUE-465nm Wavelength	► Light Bar is 100mm length ► Uses 5-PIN male M12 connector ► Light is semi-diffused ► Includes transparent and opaque filters ► Blue lighting is typically used when taking images of metal objects (i.e. stainless steel).	
LGHT-B100IR-0000		100mm LED Light Bar, IR-850nm Wavelength	► Light Bar is 100mm length ► Uses 5-PIN male M12 connector ► Light is semi-diffused ► Includes transparent and opaque filters ► IR lighting typically used in some of the following use cases: 1. Environments where users do not want to see any external lighting 2. Detecting clear liquids (i.e. how full is bottle) 3. Produce inspection (is apple bruised)	

LGHT-B300WH-0000		Page 10 300mm LED Light Bar, WHITE Wavelength	<ul style="list-style-type: none"> ▶ Light Bar is 300mm length ▶ Uses 5-PIN male M12 connector ▶ Light is semi-diffused ▶ Includes transparent and opaque filters ▶ White lighting is typically used when color image capture is required or when taking images of metal objects. 	External Light Control Cable (CBL-LGT00000-M1200 or CBL-LGT00200-M1200)
LGHT-B300RD-0000		300mm LED Light Bar, RED-625nm Wavelength	<ul style="list-style-type: none"> ▶ Light Bar is 300mm length ▶ Uses 5-PIN male M12 connector ▶ Light is semi-diffused ▶ Includes transparent and opaque filters ▶ Red lighting is typically used to capture images on paper. 	
LGHT-B300BL-0000		300mm LED Light Bar, BLUE-465nm Wavelength	<ul style="list-style-type: none"> ▶ Light Bar is 300mm length ▶ Uses 5-PIN male M12 connector ▶ Light is semi-diffused ▶ Includes transparent and opaque filters ▶ Blue lighting is typically used when taking images of metal objects (i.e. stainless steel). 	
LGHT-B300IR-0000		300mm LED Light Bar, IR-850nm Wavelength	<ul style="list-style-type: none"> ▶ Light Bar is 300mm length ▶ Uses 5-PIN male M12 connector ▶ Light is semi-diffused ▶ Includes transparent and opaque filters ▶ IR lighting typically used in some of the following use cases: <ol style="list-style-type: none"> 1. Environments where users do not want to see any external lighting 2. Detecting clear liquids (i.e. how full is bottle) 3. Produce inspection (is apple bruised) 	

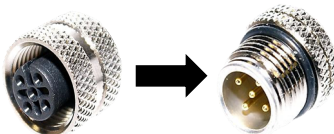
<p>LGHT-T400RD-0000</p>		<p>Page 11</p> <p>400mm LED Light Bar, RED-625nm Wavelength</p>	<p>► Light Bar is 400mm length ► Uses 5-PIN male M12 connector ► Light is lightly-diffused ► Includes semi-diffused and opaque diffuser filters. ► Red lighting is typically used to capture images on paper.</p>	<p>External Light Control Cable (CBL-LGT00000-M1200 or CBL-LGT00200-M1200)</p>
<p>LGHT-R100WH-0000</p>		<p>100mm LED Ring Light, WHITE Wavelength</p>	<p>► Light is 100mm length ► Uses 5-PIN male M12 connector ► Light is semi-diffused ► Includes transparent and opaque filters ► White lighting is typically used when color image capture is required or when taking images of metal objects.</p>	<p>External Light Control Cable (CBL-LGT00000-M1200 or CBL-LGT00200-M1200)</p>
<p>LGHT-R100RD-0000</p>		<p>100mm LED Ring Light, RED-625nm Wavelength</p>	<p>► Light is 100mm length ► Uses 5-PIN male M12 connector ► Light is semi-diffused ► Includes transparent and opaque filters ► Red lighting is typically used to capture images on paper.</p>	
<p>LGHT-R100BL-0000</p>		<p>100mm LED Ring Light, BLUE-465nm Wavelength</p>	<p>► Light is 100mm length ► Uses 5-PIN male M12 connector ► Light is semi-diffused ► Includes transparent and opaque filters ► Blue lighting is typically used when taking images of metal objects (i.e. stainless steel).</p>	


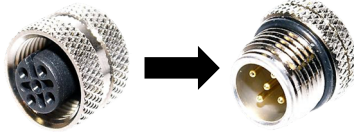
LGHT-R100IR-0000		<p>Page 12</p> <p>100mm LED Ring Light, IR-850nm Wavelength</p>	<p>► Light is 100mm length ► Uses 5-PIN male M12 connector ► Light is semi-diffused ► Includes transparent and opaque filters ► IR lighting typically used in some of the following use cases: 1. Environments where users do not want to see any external lighting 2. Detecting clear liquids (i.e. how full is bottle) 3. Produce inspection (is apple bruised)</p>	
------------------	--	---	---	--

External Lighting Options


Part Number	Picture	Description	Notes	Required Items
LGHT-A100BP-0000		Light Polarizer, for 100mm Light Bar	<p>► Polarizer reduces glare from reflective surfaces. ► Not for use when IR image capture is required. ► Used with 100mm External Light Bars (LGHT-B100xx-0000)</p>	
LGHT-A300BP-0000		Light Polarizer, for 300mm Light Bar	<p>► Polarizer reduces glare from reflective surfaces. ► Not for use when IR image capture is required. ► Used with 300mm External Light Bars (LGHT-B300xx-0000)</p>	
LGHT-A100RP-0000		Light Polarizer, for 100mm Ring Light	<p>► Polarizer reduces glare from reflective surfaces. ► Not for use when IR image capture is required. ► Used with 100mm External Ring Lights (LGHT-R100xx-0000)</p>	

External Light Control Cables


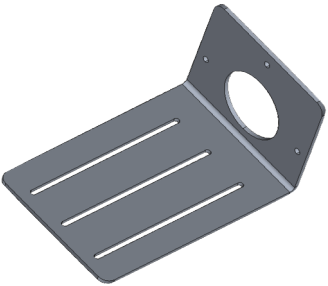
Part Number	Picture	Description	Notes	Required Items
CBL-LGT00000-M1200		External Light Control Cable, .3M length	<p>► 5 pin M12 to 5 pin M12 connectors ► Length is .3M (1 ft.) ► Only compatible with FS40/VS40 and FS70/VS70 which include an external light port. ► Max average current supported by FS/VS device is 1.0A.</p> 	

CBL-LGT00200-M1200		Page 13 External Light Control Cable, 2M length	<ul style="list-style-type: none"> ▶ 5 pin M12 to 5 pin M12 connectors ▶ Length is 2M (6.5 ft.) ▶ Only compatible with FS40/VS40 and FS70/VS70 which include an external light port. ▶ Max average current supported by FS/VS device is 1.0A. 	
--------------------	---	--	--	--

External Light Mounting Options


Part Number	Picture	Description	Notes	Required Items
EFFM-1-0009 (3rd party) * https://www.ffmpeg.com/		Effilux Mounting Bracket for Bar Lights	<ul style="list-style-type: none"> ▶ Eliminates "Fogging" and "Freezing" on laser scanner lens due to temperature and humidity changes. ▶ Insures "good reads" in the harsh environments where rapid or extreme temperature changes occur such as traveling from a refrigerated or frozen storage area to a loading dock, from an air-conditioned warehouse to outdoors, or any place where condensation is likely to occur on the scanner lens. ▶ Includes cable management system to ensure longer life of cables and scanners 	

Lighting Brackets


Part Number	Picture	Description	Notes	Required Items
BRKT-LMNT-U000		L-Mount Bracket	<ul style="list-style-type: none"> ▶ Used to install and position FS/VS device. ▶ Bracket is compatible with all FS/VS series devices. 	
BRKT-RNGL-0001		Ring Light Mounting	<ul style="list-style-type: none"> ▶ Typically used to position Ring Light with VS70. ▶ Bracket allows VS70 to be positioned at varying distances from light. ▶ Includes hardware for mounting both the ring light and the VS70 to the bracket. 	

Filters				
FS40/VS40 Filters				
Part Number	Picture	Description	Notes	Required Items
ZFLT-XS40RD-0000		Red Bandpass Filter	<ul style="list-style-type: none"> ▶ 660 nm ▶ For use with FS40/VS40. ▶ Reduces contribution of ambient light. ▶ Typically used with Red LED lighting to optimize image capture. 	
ZFLT-XS40BL-0000		Blue Bandpass Filter	<ul style="list-style-type: none"> ▶ 470 nm ▶ For use with FS40/VS40. ▶ Reduces contribution of ambient light. ▶ Typically used with Blue LED lighting to optimize image capture. 	
ZFLT-XS40IR-0000		IR Bandpass Filter	<ul style="list-style-type: none"> ▶ 850 nm ▶ For use with FS40/VS40. ▶ Reduces contribution of ambient light. ▶ Typically used with IR LED lighting to optimize image capture. 	
ZFLT-XS40MC-0000		IR Blocker Filter	<ul style="list-style-type: none"> ▶ 550 nm ▶ For use with FS40/VS40. ▶ Reduces contribution of sunlight or other IR sources. ▶ Typically used with white lighting. 	

FS70/VS70 series Filters - Internal Installation (in between C-Mount lens and imager)


Part Number	Picture	Description	Notes	Required Items
FLTR-BP635-25400		Red Bandpass Filter	<ul style="list-style-type: none"> ▶ 635 nm ▶ 25.4 mm ▶ Reduces contribution of ambient light. ▶ Typically used with Red LED lighting to optimize image capture. ▶ For use between C-mount lens and imager - helpful in applications with space constraints. 	
FLTR-BP470-25400		Blue Bandpass Filter	<ul style="list-style-type: none"> ▶ 470 nm ▶ 25.4 mm ▶ Reduces contribution of ambient light. ▶ Typically used with Blue LED lighting to optimize image capture. ▶ For use between C-mount lens and imager - helpful in applications with space constraints. 	
FLTR-BP850-25400		IR Bandpass Filter	<ul style="list-style-type: none"> ▶ 850 nm ▶ 25.4 mm ▶ Reduces contribution of ambient light. ▶ Typically used with IR LED lighting to optimize image capture. ▶ For use between C-mount lens and imager - helpful in applications with space constraints. 	
FLTR-BP550-25400		IR/UV Blocking Filter	<ul style="list-style-type: none"> ▶ 550 nm ▶ 25.4 mm ▶ Reduces contribution of sunlight or other IR sources. ▶ Typically used with white lighting. ▶ For use between C-mount lens and imager - helpful in applications with space constraints. 	

FS70/VS70 series Filters - External Installation (on end of C-Mount lens)

Part Number	Picture	Description	Notes	Required Items
FLTR-BP635-25500		Red Bandpass Filter	<ul style="list-style-type: none"> ▶ 635 nm ▶ 25.4 mm ▶ Reduces contribution of ambient light. ▶ Typically used with Red LED lighting to optimize image capture. ▶ For use on C-mount lens. 	
FLTR-BP470-25500		Blue Bandpass Filter	<ul style="list-style-type: none"> ▶ 470 nm ▶ 25.4 mm ▶ Reduces contribution of ambient light. ▶ Typically used with Blue LED lighting to optimize image capture. ▶ For use on C-mount lens. 	
FLTR-BP850-25500		IR Bandpass Filter	<ul style="list-style-type: none"> ▶ 850 nm ▶ 25.4 mm ▶ Reduces contribution of ambient light. ▶ Typically used with IR LED lighting to optimize image capture. ▶ For use on C-mount lens. 	
FLTR-BP550-25500		IR/UV Blocking Bandpass Filter	<ul style="list-style-type: none"> ▶ 550 nm ▶ 25.4 mm ▶ Reduces contribution of sunlight or other IR sources. Only lets in visible light. ▶ Typically used with white lighting. ▶ For use on C-mount lens. 	
FLTR-PZ120-25500		Ultra High Contrast Polarizer Filter	<ul style="list-style-type: none"> ▶ Not for use when IR image capture is required. ▶ 25.4 mm ▶ For use on C-mount lens. ▶ Typically used designed to reduce glare, increase color saturation and improve overall image quality when inspecting highly reflective surfaces in harsh, high temperature environments. ▶ Note: When using External lighting the light will require corresponding film to be applied. 	

External Lens for FS70/VS70 series




Part Number	Picture	Description	Notes	Required Items
LENS-M0800-0100		8mm Focal Length Lens	<p>► Compatible with FS70/VS70 series only.</p> <p>► C-Mount lens, 25.5 mm filter thread</p>	
LENS-M1200-0100		12mm Focal Length Lens		
LENS-M1600-0100		16mm Focal Length Lens		
LENS-M2500-0100		25mm Focal Length Lens		
LENS-M3500-0100		35mm Focal Length Lens		
LENS-XTC70-0000		Threaded Lens Cover Adapter for FS70/VS70	<p>► Used in place of the standard Lens Cover included with the FS70/VS70.</p> <p>► This lens cover adapter may be required when using a longer lens or when using multiple filters that exceed the length of the standard Lens Cover included with the FS70/VS70.</p> <p>► Adapts to third party lens covers</p> <p>► Uses M60 x .75mm thread size</p>	<p>Requires third party Lens Cover/Enclosure.</p> <p>Example is EN-LC55 55mm-IP67 series Enclosures from Components Express, Inc. www.componentsexpress.com</p>


<p>LENS-XRC70-0000</p>		<p>Page 18</p> <p>Replacement IP67 Lens Cover for FS70/VS70</p>	<p>► Used to replace the FS70/VS70 Lens Cover due to damage, loss, etc. ► Does not include screws.</p>	
------------------------	--	---	--	--

Power Supplies/Power Cords

Part Number	Picture	Description	Notes	Required Items
PWR-24V03A-0000		Power Supply, 24V	<p>► DIN Rail Mount ► Screw Terminals ► 80W, 24-28V DC Output ► 100-240V AC Input ► Uses Allen Bradley 1606-XLE80E</p>	Power Cable (CBL-PWR00500-M1200 or CBL-PWR01500-M1200)
PWR-24V05A-0000		Power Supply, 24V	<p>► DIN Rail Mount ► Screw/Spring Terminals ► 120W, 24-28V DC Output ► 100-240V AC Input ► Uses Allen Bradley 1606-XLE120E</p>	Power Cable (CBL-PWR00500-M1200 or CBL-PWR01500-M1200)
PWR-POE30W-0000		Power Over Ethernet (POE) Injector	<p>► IEEE 802.3at (POE+) Compliant ► 30W, 55V DC Output ► 100-240V AC Input ► Supports up to 1000 Base-T applications ► Uses Microsemi PD-9501GR</p>	<p>► Ethernet Cable (CBL-ENT00500-M1200 or CBL-ENT01500-M1200) ► AC Line Cord (50-16000-221R or country specific version)</p>

KT-POE30W-US00		Page 19 Power Over Ethernet (POE) Injector KIT (for use in US)	<ul style="list-style-type: none"> ▶ IEEE 802.at (POE+) Compliant ▶ 30W, 55V DC Output ▶ 100-240V AC Input ▶ Supports up to 1000 Base-T applications ▶ Uses Microsemi PD-9501GR ▶ KIT includes: <ul style="list-style-type: none"> - Power Over Ethernet (POE) Injector (PWR-POE30W-0000) - AC Line Cord for US (50-16000-221R) 	▶ Ethernet Cable (CBL-ENT00500-M1200 or CBL-ENT01500-M1200)
PWR-POE60W-0000		Power Over Ethernet (POE) Injector	<ul style="list-style-type: none"> ▶ IEEE 802.at (POE+) Compliant ▶ 60W, 55V DC Output ▶ 100-240V AC Input ▶ Supports up to 1000 Base-T applications ▶ Uses Microsemi PD-9501GC 	▶ Ethernet Cable (CBL-ENT00500-M1200 or CBL-ENT01500-M1200) ▶ AC Line Cord (50-16000-221R or country specific version)
CBL-PWR00500-M1200		Power Cable, 5M length	<ul style="list-style-type: none"> ▶ 12 pin M12 connector to flying leads ▶ Also provides up to 6 GPIO connections, model dependent. ▶ 5M (16 ft.) length ▶ Not compatible with FS10 series 	Power Supply (PWR-24V-2A-0000 or PWR-24V05A-0000)
CBL-PWR01500-M1200		Power Cable, 15M length	<ul style="list-style-type: none"> ▶ 12 pin M12 connector to flying leads ▶ Also provides up to 6 GPIO connections, model dependent. ▶ 18 AWG Power and Ground connections ▶ 15M (49 ft.) length ▶ Not compatible with FS10 series 	Power Supply (PWR-24V-2A-0000 or PWR-24V05A-0000)

CBL-USB00200-USC00		Page 20 USB-C Cable, 2M length	<ul style="list-style-type: none"> ▶ Locking USB-C connector to USB-C. ▶ Locking connector at FS/VS device provides IP67 seal. ▶ Cable length is 2M (6.5 ft.) ▶ Shorter cable supports USB Superspeed (5 Gb/sec) communications. ▶ Cable can also provide power to FS/VS device, supporting up to 3A from host. ▶ USB-C hosts that can supply 1.5A or 3A of current will support illumination on the FS40/VS40. 3A will support maximum illumination power, 1.5A will support reduced illumination power. External illumination not supported on FS70/VS70 series, requires 24V power supply. ▶ Compatible with all FS/VS devices. 	
CBL-USB00400-USC00		USB-C Cable, 4M length	<ul style="list-style-type: none"> ▶ Locking USB-C connector to USB-C. ▶ Locking connector at FS/VS device provides IP67 seal. ▶ Cable length is 4M (13 ft.) ▶ Longer cable supports USB Highspeed (480 Mb/sec) communications. ▶ Cable can also provide power to FS/VS device, supporting up to 3A from host. ▶ USB-C hosts that can supply 1.5A or 3A of current will support illumination on the FS40/VS40. 3A will support maximum illumination power, 1.5A will support reduced illumination power. External illumination not supported on FS70/VS70 series, requires 24V power supply. ▶ Compatible with all FS/VS devices. 	
CBL-USB00200-USA00		USB-A Cable, 2M length	<ul style="list-style-type: none"> ▶ Locking USB-C connector to USB-A ▶ Locking connector at FS/VS device provides IP67 seal. ▶ Cable length is 2M (6.5 ft.) ▶ Shorter cable supports USB Superspeed (5 Gb/sec) communications. ▶ USB 3.0 Type A hosts that can supply 900mA of current can also provide power to FS/VS device. Not capable of supporting illumination on FS40/VS40 or FS70/VS70 series. ▶ Compatible with all FS/VS devices. 	

CBL-USB00400-USA00		Page 21 USB-A Cable, 4M length	<ul style="list-style-type: none">▶ Locking USB-C connector to USB-A▶ Locking connector at FS/VS device provides IP67 seal.▶ Cable length is 4M (13 ft.)▶ Longer cable supports USB Highspeed (480 Mb/sec) communications.▶ USB 3.0 Type A hosts that can supply 900mA of current can also provide power to FS/VS device. Not capable of supporting illumination on FS40/VS40 or FS70/VS70 series.▶ Compatible with all FS/VS devices.	
--------------------	--	---------------------------------------	---	--