

# **Features**

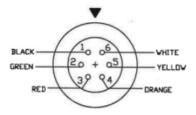
- 1. Have Reject Trigger and Reject Confirm inputs
- 2. Have Camera Cycle Power output
- 3. PLC can see and count independent inputs
  - 1. PASS\_1, FAIL\_1A, FAIL\_1B
  - 2. PASS\_2, FAIL\_2A, FAIL\_2B
- 4. Sentech cameras only output FAIL since they have only one spare output
  - 1. Not yet clear how we make these work with our 24V PLC inputs

# Appendix: Backup

# OMRON Sentech STC-M Camera

### Power and IO Cable

The HRS6-AV-6-2M can be used as the standard Power and IO Cable. The pinout and wire colors for ti cable are shown below.



## **GigE Camera Pinouts IO Table**

The pin assignments for the GigE cameras are shown in the table below.

- Line0 Opto Isolated Trigger Input. Pin2
- Line1 Opto Isolated Strobe Output. Pin4
- Common Opto Isolated Common used for Trigger and Strobe. Pin 5
- Power IN/GND Pin 1 and Pin 6

Note: Power can also be supplied though PoE Ethernet cable.

#### Pin Assignment

Pin No.	Signal Name	IN / OUT	Voltage	
1	POWER IN	IN	+10.8 to +26.4 Vdc	
2	Opto-isolated in	IN	Low: Smaller than +1.0 V	
	(Line0)		High: +3.0 to +26.4 V	
			* Potential difference between	
			TRG_in and Opt. Isolated Common	
3	Open Collector	IN / OUT	+3.0 to +26.4 V / Open Collector	
	GPIO			
	(Line2)			
4	Opto-isolated out	OUT	Open Collector	
	(Line1)			
5	Opto-isolated	IN		
	Common			
6	GND	IN	0 V	



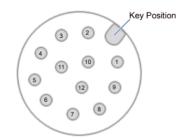
# Zebra FS40

## **Cable Pin Outs**

This section provides pin and cable color information for the power and I/O, Ethernet, and external lighting connectors.

### Power and I/O Connector

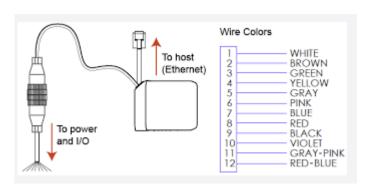
Figure 8 Power and I/O Connector - 12 Pin Diagram



Pin	Color	Description	
1	Yellow	GPIO2	
2	White / Yellow	TXD	
3	Brown	RXD	
4	White / Brown	GPIO4	
5	Violet	GPIO5	
6	White / Violet	COMMON_IN	
7	Red	DC_IN	
8	Black	GND	
9	Green	COMMON_OUT	
10	Orange	GPIO0	
11	Blue	GPIO1	
12	Grey	GPIO3	
SHELL	Bare	SHIELD	

# Microscan 61-000167-02 Cable Zebra and Microscan cables have DIFFERENT colors

Pin	Usage	Zebra	Microscan
1	GPIO2	Yellow	White
2	TXD	White/Yellow	Brown
3	RXD	Brown	Green
4	GPIO4	White/Brown	Yellow
5	GPIO5	Violet	Gray
6	COM_IN	White/Violet	Pink
7	DC_IN	Red	Blue
8	GND	Black	Red
9	COM_OUT	Green	Black
10	GPIO0	Orange	Violet
11	GPIO1	Blue	Gray/Pink
12	GPIO3	Grey	Red/Blue



# Appendix: Old Plan

