IZA500G-F5/GR-F5 Quick Start Guide

See the <u>IZA500G</u> and <u>IZA500GR</u> documents for full documentation and software.

> You will need: Laptop with Windows 10 or above with Windows Feature NET 4.5 enabled.
> Chrome or Microsoft Edge browser.
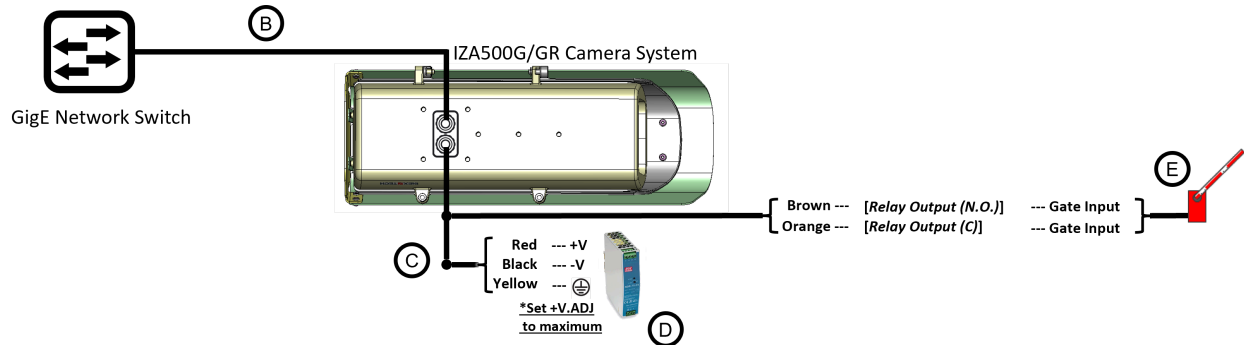> After mounting, remove the protective film from the camera's front window.
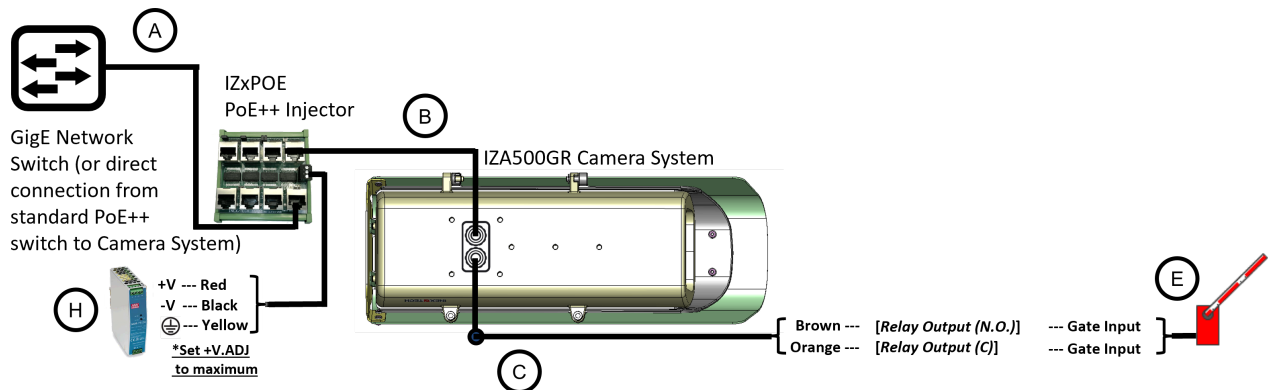> You can use <u>IZ Discovery</u> to find the desired camera and change its network settings.

Checklist

✓ Prepare components and tools

✓ Plan your site

✓ Prepare cables

✓ Install Camera System(s) and other components

✓ Connect components (wiring)

✓ Power up and set up IP

✓ Configure LPR/OV camera settings

✓ Aim and calibrate

✓ Verify system operation

If you are using a DIN rail-mount power supply, you will need to cut off the rings at the ends of the Camera System's power connections, and attach pins in their place.
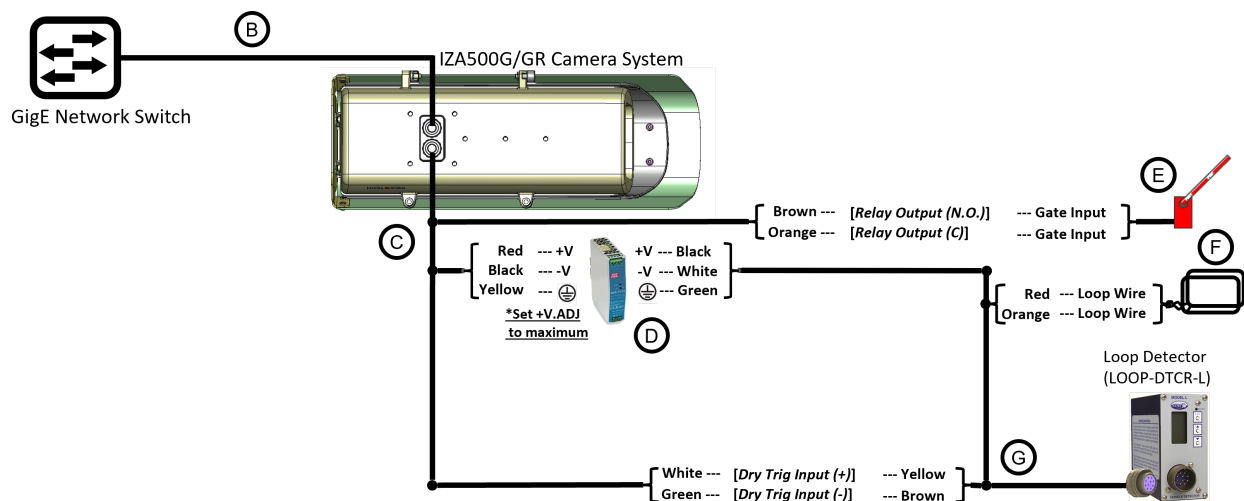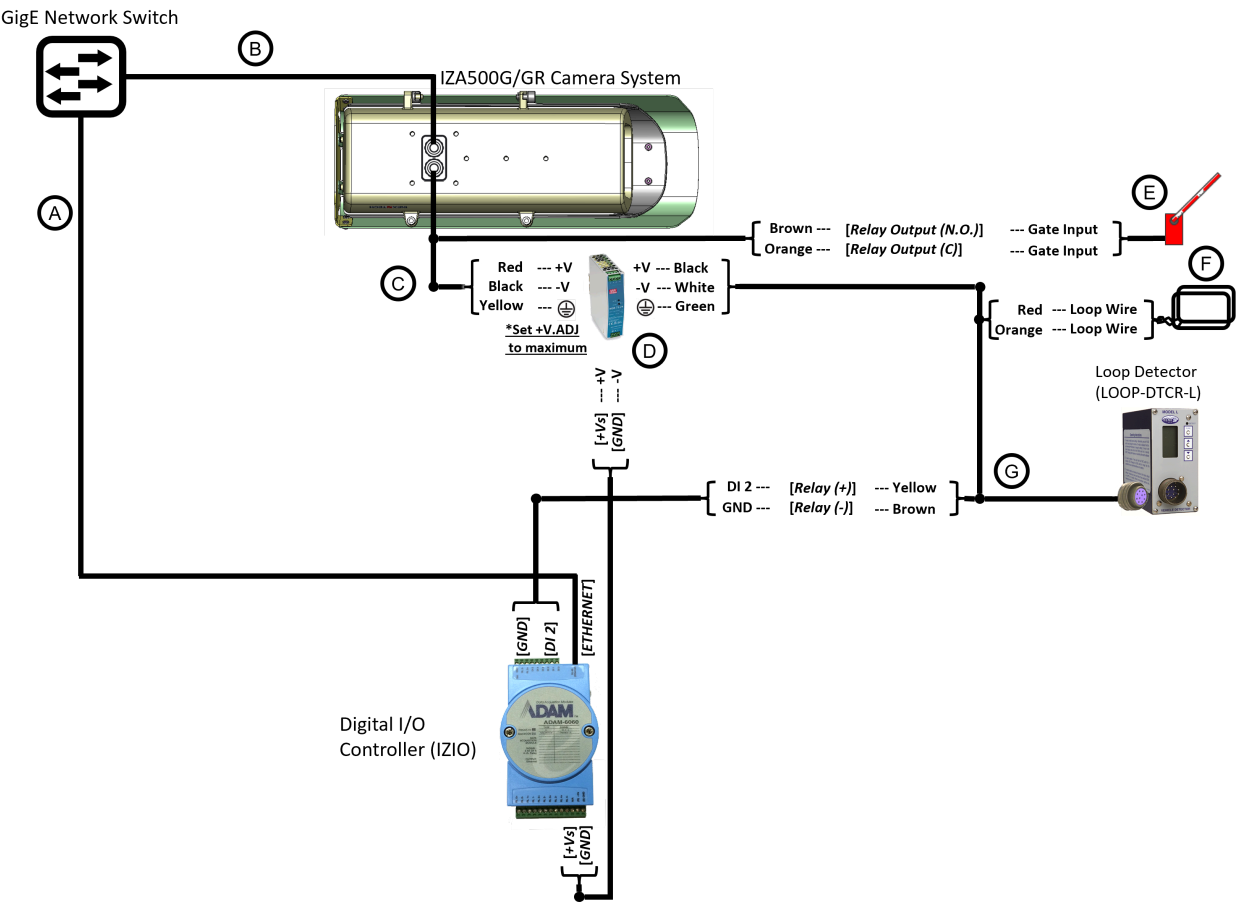
Camera System Wiring Diagram

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GigE Network Switch

IZA500G/GR Camera System

Ⓔ

Brown --- [Relay Output (N.O.)] --- Gate Input
Orange --- [Relay Output (C)] --- Gate Input

Ⓒ

Red --- +V
Black --- -V
Yellow --- ⏚

*Set +V.ADJ to maximum

Ⓓ

Camera System Wiring Diagram with PoE++ (IZA500GR P24 Models)

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IZxPOE PoE++ Injector

Ⓑ

IZA500GR Camera System

GigE Network Switch (or direct connection from standard PoE++ switch to Camera System)

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+V --- Red
-V --- Black
⏚ --- Yellow

*Set +V.ADJ to maximum

Ⓒ

Ⓔ

Brown --- [Relay Output (N.O.)] --- Gate Input
Orange --- [Relay Output (C)] --- Gate Input

Camera System with Inductive Loop Wiring Diagram

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GigE Network Switch

IZA500G/GR Camera System

Ⓔ

Brown --- [Relay Output (N.O.)] --- Gate Input
Orange --- [Relay Output (C)] --- Gate Input

Ⓒ

Red --- +V
Black --- -V
Yellow --- ⏚

*Set +V.ADJ to maximum

Ⓓ

+V --- Black
-V --- White
⏚ --- Green

Ⓕ

Red --- Loop Wire
Orange --- Loop Wire

Loop Detector (LOOP-DTCR-L)

White --- [Dry Trig Input (+)] --- Yellow
Green --- [Dry Trig Input (-)] --- Brown

Ⓖ

Camera System with I/O Module Wiring Diagram

GigE Network Switch

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IZA500G/GR Camera System

Ⓐ

Ⓒ

Ⓔ

Brown --- [Relay Output (N.O.)] --- Gate Input
Orange --- [Relay Output (C)] --- Gate Input

Ⓕ

Red --- +V   +V --- Black
Black --- -V   -V --- White
Yellow --- ⏚   ⏚ --- Green

Red --- Loop Wire
Orange --- Loop Wire

*Set +V.ADJ
to maximum

Ⓓ

Loop Detector
(LOOP-DTCR-L)

[+Vs] --- +V
[GND] --- -V

DI 2 --- [Relay (+)] --- Yellow
GND --- [Relay (-)] --- Brown

Ⓖ

[GND]
[DI 2]
[ETHERNET]

Digital I/O
Controller (IZIO)

[+Vs]
[GND]

Legend

Item	Description	Ordering Information
A	**LAN Patch Cable** - CAT6, max. length 3.3 ft (1 m) for connection to IZxPOE; 382 ft (100 m) for connection to IZIO	Supplied by integrator
B	**LAN Cable** - CAT6, shielded, 4 pairs, 22 AWG, max. length 328 ft (100 m), OD 5.5-7.9 mm	Supplied by integrator; 6.6 ft (2 m) included with camera
C	**PAS (Power and Signals) Cable** - 22 AWG, OD 3.0-7.3 mm	Supplied by integrator; 6.6 ft (2 m) cable included with camera
D	**Power Supply for Cameras** 24 VDC if PoE++ is not used	For 1 camera, use a 50/75 W supply (IZPWR75) For 2 cameras, use a 100/120 W supply (IZPWR120) For 4 cameras, use a 240 W supply (IZPWR240)
E	**Gate**	Supplied by integrator
F	**Inductive Loop**	Supplied by integrator

Item	Description	Ordering Information
G	**Loop Detector Wiring Harness**	Included with Loop Detector
H	**Power Supply for IZxPOE** **PoE++ Injector** Requires 48 VDC	For 1 camera, use a 75 W supply (IZPWR75-48) For 2 cameras, use a 120 W supply (IZPWR120-48) For 4 cameras, use a 240 W supply (IZPWR240-48)

- For device configuration instructions, see the LOOP-DTCR-L and IZIO guides.

- IZA500GR: Works with standard PoE++ switches, or an Inex IZxPOE PoE++ injector

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