

Quick Installation Guide

INNOTECH EXCA234 SERIES

EXCA234 SERIES: Outdoor Vandal Dome Camera

CAMERA INSTALLATION

1. Remove the Rotation Base from the Dome Base (pull straight out).
2. Remove the (4) Base Mounting Hole Plugs (& Base Grommet/Side Knockout if necessary).
3. Prepare the camera mount by drilling (4) holes using the Dome Base Mounting Holes as a template.
4. Determine if you are using BNC or CAT5 connections & set the BNC/CAT5 Switch on the Camera Gimbal to the correct position.

BNC CONNECTION

5. Determine the camera voltage requirements (See *Figure:1 Voltage Version Label*).
- 5.1 Using the RJ45 Breakout Cable, connect the BNC connector to the RG-59 video cable, then connect the Screw Terminal Power Plug to camera power (See *Figure:1 for switch settings & power information*).
- 5.2 Bring the RJ45 connector through the Base Grommet (or Side Knockout), then attach the base to the prepared camera mount.
- 5.3 Insert the Camera Gimbal into the Rotation Base. (See *Figure:1 for proper alignment*).
- 5.4 Connect the RJ45 connector on the Breakout Cable to the RJ45 jack on the Camera Gimbal, then insert the Rotation Base into the Dome Base.

PACKAGE CONTENTS

- (1) CAMERA GIMBAL/ROTATION BASE (SNAP-LOCK)
- (1) DOME BASE
- (1) DOME
- (1) RJ45 BREAKOUT CABLE
- (1) TEST MONITOR CABLE
- (1) SCREW TERMINAL POWER PLUG
- (1) ALLEN WRENCH
- (4) SCREWS
- (4) ANCHORS

CAT5 CONNECTION

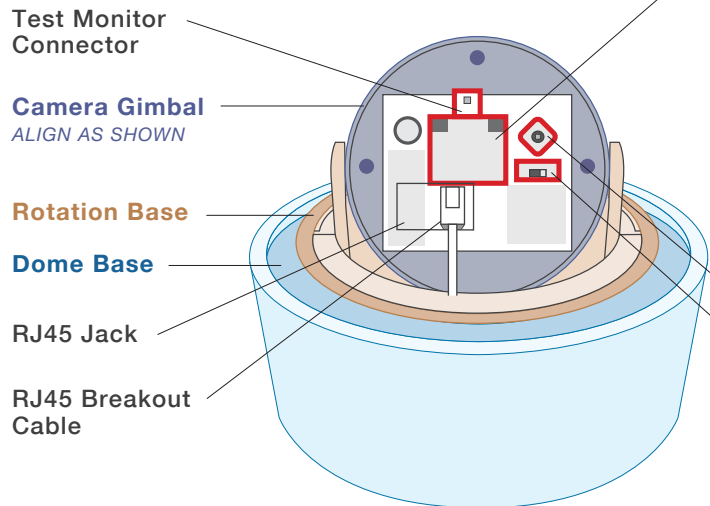
6. Bring the user supplied CAT5 cable through the Base Grommet (or Side Knockout), then attach the Dome Base to the prepared camera mount.
- 6.1 Insert the Camera Gimbal into the Rotation Base (See *Figure:1 for proper alignment*).
- 6.2 Connect the RJ45 connector on the user supplied CAT5 cable to the RJ45 jack on the Camera Gimbal, then insert the Rotation Base into the Dome Base.
- 6.3 Connect the RJ45 connector on the other end of the user supplied CAT5 cable to the Innotech SmartControl® CAT5 Decoder. Maximum distance is 1,000 ft.

POWER & ADJUSTMENTS

- 7.1 Apply power to the camera.
- 7.2 Attach the test monitor cable (provided) to the test monitor connector on the camera gimbal & use a test monitor for lens adjustments.
- 7.3 Adjust the camera lens position (by rotating the Rotation Base & Camera Gimbal), adjust the zoom & focus.
- 7.4 Adjust the camera OSD settings (refer to: OSD User's Manual). Use the test monitor cable for BNC or CAT5 Connection.
OPTIONAL: Use the OSD Remote Control for CAT5 Connection.
- 7.5 Remove the test monitor cable & attach the dome.

EXCA234 Series

FIGURE 1:
CAMERA, CONTROLS & CONNECTIONS



Voltage Version Label

CAT5
12V AC
24V AC
BNC

CAT5 Connection

- Set BNC/CAT5 Switch to "CAT5"
- Use CAT5 cable with SmartControl Decoder. (See Cat5 wiring detail below)

BNC Connection

- Set BNC/CAT5 Switch to "BNC"
- Use RJ45 Breakout Cable with 12VDC or 24VAC P/S (camera auto senses voltage)

12V DC
BNC
ONLY !

12VDC Only

Use RJ45 Breakout Cable with 12VDC P/S & Screw Terminal Power Plug

OSD Joystick

BNC/CAT5 Switch

BNC ◀ ▶ CAT5

N/A FOR 12VDC ONLY VERSION

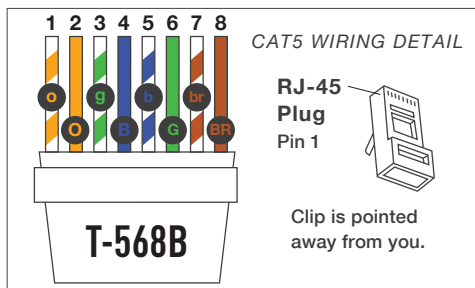
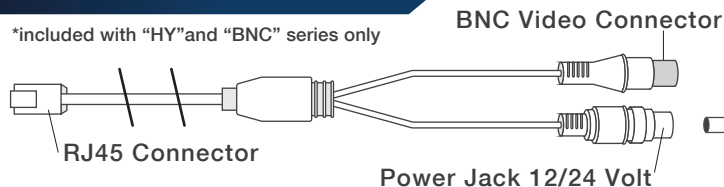
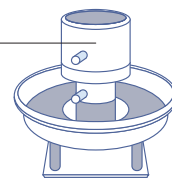


FIGURE 2:
RJ45 BREAKOUT CABLE

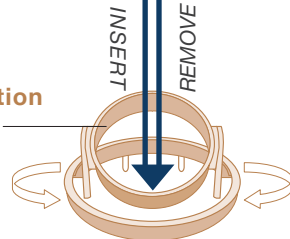


GIMBAL SYSTEM

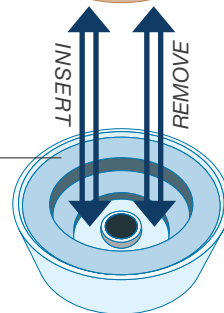
Camera Gimbal



Rotation Base



Dome Base



Screw Terminal Power Plug

- Observe polarity for 12VDC
- No polarity for 24VAC

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INNOTECH EXCA235 SERIES

EXCA235 SERIES: Indoor Dome Camera

CAMERA INSTALLATION

1. Remove the Rotation Base from the Dome Base (pull straight out).
2. Prepare the camera mount by drilling (3) holes using the Dome Base Mounting Holes as a template.
3. Determine if you are using BNC or CAT5 connections & set the BNC/CAT5 Switch on the Camera Gimbal to the correct position.

BNC CONNECTION

4. Determine the camera voltage requirements (*See Figure:1 Voltage Version Label*).
- 4.1 Using the RJ45 Breakout Cable, connect the BNC connector to the RG-59 video cable, then connect the Screw Terminal Power Plug to camera power (*See Figure:1 for switch settings & power information*).
- 4.2 Bring the RJ45 connector through the base, then attach the base to the prepared camera mount.
- 4.3 Insert the Camera Gimbal into the Rotation Base. (*See Figure:1 for proper alignment*).
- 4.4 Connect the RJ45 connector on the Breakout Cable to the RJ45 jack on the Camera Gimbal, then insert the Rotation Base into the Dome Base.

PACKAGE CONTENTS

- (1) CAMERA GIMBAL/ROTATION BASE (SNAP-LOCK)
- (1) DOME BASE
- (1) DOME
- (1) RJ45 BREAKOUT CABLE
- (1) TEST MONITOR CABLE
- (1) SCREW TERMINAL POWER PLUG
- (1) DOME KEY
- (3) SCREWS
- (3) ANCHORS

CAT5 CONNECTION

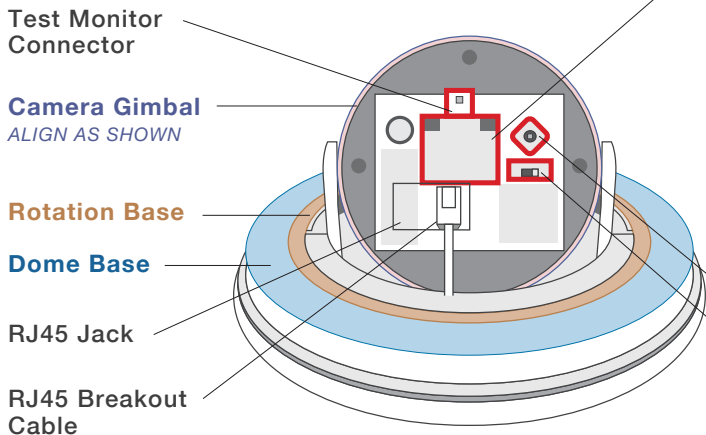
5. Bring the user supplied CAT5 cable through the Base Grommet (or Side Knockout), then attach the Dome Base to the prepared camera mount.
- 5.1 Insert the Camera Gimbal into the Rotation Base (*See Figure:1 for proper alignment*).
- 5.2 Connect the RJ45 connector on the user supplied CAT5 cable to the RJ45 jack on the Camera Gimbal, then insert the Rotation Base into the Dome Base.
- 5.3 Connect the RJ45 connector on the other end of the user supplied CAT5 cable to the Innotech SmartControl® CAT5 Decoder. Maximum distance is 1,000 ft.

POWER & ADJUSTMENTS

- 6.1 Apply power to the camera.
- 6.2 Attach the test monitor cable (provided) to the test monitor connector on the camera gimbal & use a test monitor for lens adjustments.
- 6.3 Adjust the camera lens position (by rotating the Rotation Base & Camera Gimbal), adjust the zoom & focus.
- 6.4 Adjust the camera OSD settings (refer to: OSD User's Manual).
Use the test monitor cable for BNC or CAT5 Connection.
OPTIONAL: Use the OSD Remote Control for CAT5 Connection.
- 6.5 Remove the test monitor cable & attach the dome.

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FIGURE 1:
CAMERA, CONTROLS & CONNECTIONS



Voltage Version Label

CAT5
12V AC
24V AC
BNC

CAT5 Connection

- Set BNC/CAT5 Switch to "CAT5"
- Use CAT5 cable with SmartControl Decoder. (See Cat5 wiring detail below)

BNC Connection

- Set BNC/CAT5 Switch to "BNC"
- Use RJ45 Breakout Cable with 12VDC or 24VAC P/S (camera auto senses voltage)

12V DC
BNC
ONLY !

12VDC Only

Use RJ45 Breakout Cable with 12VDC P/S & Screw Terminal Power Plug

OSD Joystick

BNC/CAT5 Switch

BNC ◀ ▶ CAT5

N/A FOR 12VDC ONLY VERSION

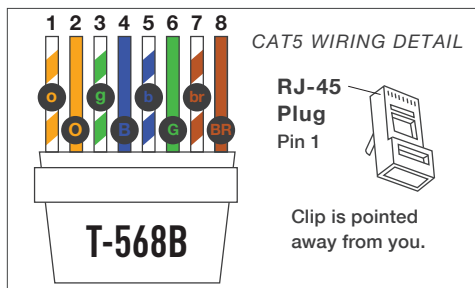
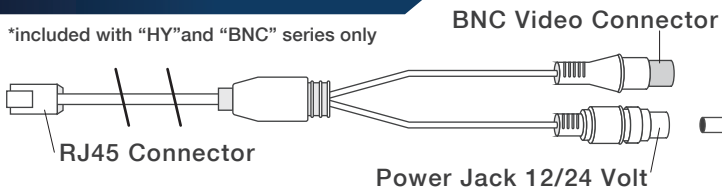


FIGURE 2:
RJ45 BREAKOUT CABLE

*included with "HY" and "BNC" series only

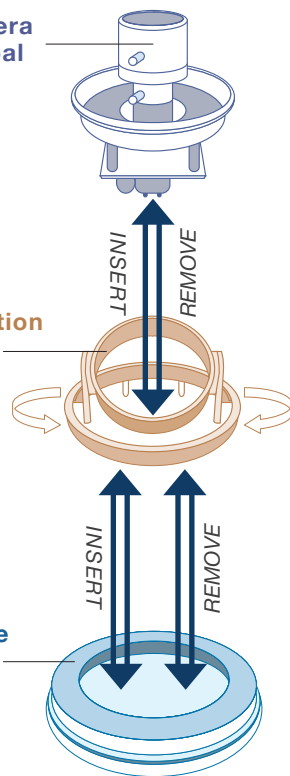


GIMBAL SYSTEM

Camera Gimbal

Rotation Base

Dome Base



Screw Terminal Power Plug

- Observe polarity for 12VDC
- No polarity for 24VAC