

TVC-7120-1 Camera Quick Start Guide

Introduction

This is the Quick Installation Guide for the TVC-7120-1-N(-P) camera.

Refer to the user manual for complete instructions on installing and configuring this camera.

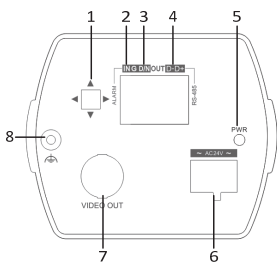
User guidelines

- Program the camera settings as much as possible before mounting the camera. Take appropriate safety precautions while completing programming after installation.
- Always use a 12 VDC or 24 VAC UL listed Class 2 power supply to power the camera.
- Do not use the camera over the temperature range specifications: -10°C to +60°C (14°F to 140°F).
- If the light source where the camera is installed experiences rapid, wide- variations in lighting, the camera may not operate as intended.

WARNING: To reduce the risk of fire or electronic shock, do not expose the camera to rain or remove the cover.

Description

Figure 1: Camera description



1. OSD control button
2. Alarm output/Ground
3. D/N switch (3.3 V)
4. RS-485 ports (D+, D-)
5. Power LED
6. 12 VDC / 24 VAC dual power
7. Video output
8. Ground

Installation

Please check the package contents and make sure that the device in the package is in good condition and all the assembly parts are included.

The camera is designed for both indoor and outdoor use. To use the camera outdoors, it must be installed in an approved outdoor housing.

Note: Before installing, please ensure that the mounting surface is strong enough to withstand three times the weight of the camera. If the wall is not strong enough, the camera may fall and cause serious damage.

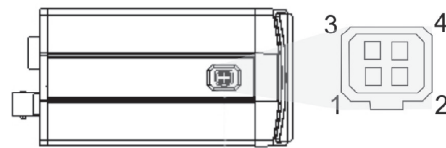
Install the camera

1. Attach the lens.

Refer to the instructions that came with the lens you purchased for complete installation instructions of that lens.

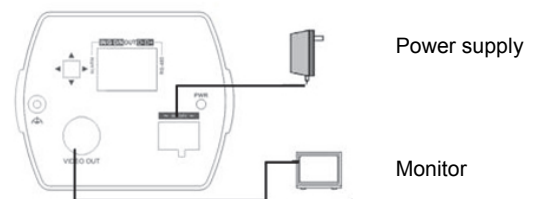
Screw the lens clockwise onto the lens mount of the camera. Take care to prevent dust from entering between the lens mount and the lens.

For optimal performance, please use an auto iris lens. Plug the auto-iris drive cable to the 4-pin interface on the side of the camera. The 4 pins are: 1. Damper -; 2. Damper+; 3. Drive+; 4. Drive-



2. Connect the cables.

Connect a coaxial cable from the camera's BNC connector to a CCTV monitor or video recording device. Connect a 12 VDC or 24 VAC power supply to the power input.



Programming

Once the camera hardware has been installed, it can then be configured. Program the camera by attaching a standard video monitor to the system. Press **Enter** on the camera's menu control button to display the Setup menu (see Figure 2).

OSD control button

The on-screen display (OSD) control button (see Figure 1) is a five-direction joystick that lets you manually control the camera functions. Table 1 below lists the OSD control button functions and describes their use.

Table 1 Description of the OSD control button

Button direction	Description
Up	Moves the cursor upward to select an item
Left	Moves the cursor left to select or adjust the parameters of the selected item.
Right	Moves the cursor to the right to select or adjust the parameters of the selected item.
Down	Moves the cursor downward to select an item.
Enter	Press the center of the control pad to display the Setup menu. If the selected item has its own menu, press the control pad to enter a submenu.

Using the Setup menu

The Setup menu provides access to the camera configuration options.

Figure 2: Setup menu screens

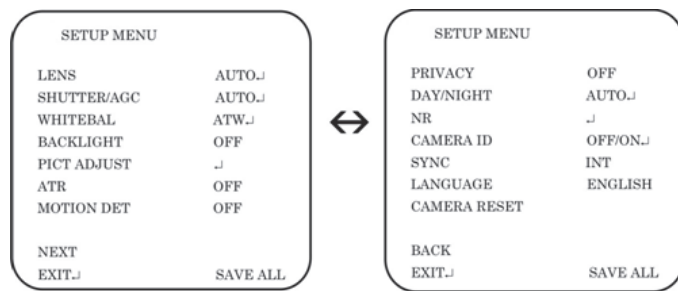


Table 2: Setup menu description

Menu item	Description
Lens	Defines the lens type.
Shutter/AGC	Defines the method of light control.
White Bal	Defines the white balance (WB) set up.
Backlight	Defines the highlight compensation (HLC) and backlight compensation (BLC) set up.
Pict Adjust	Defines the image quality functions.
ATR	Defines the wide dynamic range (WDR) set up.
Motion Det	Defines the motion detection set up.
Privacy	Defines privacy mask set up.
Day/Night	Defines the day/night (D/N) set up.
NR	Defines the digital noise reduction level.
Camera ID	Defines the camera ID displayed on-screen.
Sync	Displays the current synchronization mode.
Language	Defines the language of the OSD.
Camera Reset	Resets the camera to factory default settings.
Save All	Saves configuration changes made.
Exit	Exits the menu and returns to live mode.

To access the Setup menu:

1. Press the OSD control button to access the Setup menu and its submenus.
2. Push the button up/down to move between menu options.
3. Push the button left/right to select an option.
4. Select **Next** to move to the next Setup menu screen and **Back** to return to the previous Setup menu screen.
5. When in a sub menu, select **Return** to return to the previous menu.
6. To save configuration changes, select **Save All** and press **Enter**.
7. To exit the Setup menu and return to normal camera operation mode, move the cursor to **Exit** at the bottom of the screen and press **Enter**.

Menu map

