

**HIKVISION**



## DS-1TP00I Series Coaxial Power Unit

User Manual

## **User Manual**

COPYRIGHT ©2016 Hangzhou Hikvision Digital Technology Co., Ltd.

### **ALL RIGHTS RESERVED.**

Any and all information, including, among others, wordings, pictures, graphs are the properties of Hangzhou Hikvision Digital Technology Co., Ltd. or its subsidiaries (hereinafter referred to be “Hikvision”). This user manual (hereinafter referred to be “the Manual”) cannot be reproduced, changed, translated, or distributed, partially or wholly, by any means, without the prior written permission of Hikvision. Unless otherwise stipulated, Hikvision does not make any warranties, guarantees or representations, express or implied, regarding to the Manual.

### **About this Manual**

This Manual is applicable to DS-1TP04I, DS-1TP08I, DS-1TP04I/AT and DS-1TP08I/AT Series Coaxial Power Unit.

The Manual includes instructions for using and managing the product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version in the company website (<http://overseas.hikvision.com/en/>).

Please use this user manual under the guidance of professionals.

### **Trademarks Acknowledgement**

**HIKVISION** and other Hikvision’s trademarks and logos are the properties of Hikvision in various jurisdictions. Other trademarks and logos mentioned below are the properties of their respective owners.

## **Legal Disclaimer**

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THE PRODUCT DESCRIBED, WITH ITS HARDWARE, SOFTWARE AND FIRMWARE, IS PROVIDED “AS IS”, WITH ALL FAULTS AND ERRORS, AND HIKVISION MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY, SATISFACTORY QUALITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT OF THIRD PARTY. IN NO EVENT WILL HIKVISION, ITS DIRECTORS, OFFICERS, EMPLOYEES, OR AGENTS BE LIABLE TO YOU FOR ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL, OR INDIRECT DAMAGES, INCLUDING, AMONG OTHERS, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, OR LOSS OF DATA OR DOCUMENTATION, IN CONNECTION WITH THE USE OF THIS PRODUCT, EVEN IF HIKVISION HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

REGARDING TO THE PRODUCT WITH INTERNET ACCESS, THE USE OF PRODUCT SHALL BE WHOLLY AT YOUR OWN RISKS. HIKVISION SHALL NOT TAKE ANY RESPONSIBILITIES FOR ABNORMAL OPERATION, PRIVACY LEAKAGE OR OTHER DAMAGES RESULTING FROM CYBER ATTACK, HACKER ATTACK, VIRUS INSPECTION, OR OTHER INTERNET SECURITY RISKS; HOWEVER, HIKVISION WILL PROVIDE TIMELY TECHNICAL SUPPORT IF REQUIRED.

SURVEILLANCE LAWS VARY BY JURISDICTION. PLEASE CHECK ALL RELEVANT LAWS IN YOUR JURISDICTION BEFORE USING THIS PRODUCT IN ORDER TO ENSURE THAT YOUR USE CONFORMS THE APPLICABLE LAW. HIKVISION SHALL NOT BE LIABLE IN THE EVENT THAT THIS PRODUCT IS USED WITH ILLEGITIMATE PURPOSES.

IN THE EVENT OF ANY CONFLICTS BETWEEN THIS MANUAL AND THE APPLICABLE LAW, THE LATER PREVAILS.

## Regulatory information

### FCC information

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**FCC compliance:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

### FCC conditions

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

### EU Conformity Statement



This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the EMC Directive 2014/30/EU, the LVD Directive 2014/35/EU, the RoHS Directive 2011/65/EU.



2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see:

[www.recyclethis.info](http://www.recyclethis.info).



2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: [www.recyclethis.info](http://www.recyclethis.info).

### Industry Canada ICES-003 Compliance

This device meets the CAN ICES-3 (A)/NMB-3(A) standards requirements.




## Applicable Models

This guide is applicable to the model listed in the following table.

Series	Model
Coaxial Power Unit	DS-1TP04I, DS-1TP08I, DS-1TP04I/AT and DS-1TP08I/AT

## Symbol Conventions

The symbols that may be found in this document are defined as follows.

Symbol	Description
 <b>NOTE</b>	Provides additional information to emphasize or supplement important points of the main text.
 <b>WARNING</b>	Indicates a potentially hazardous situation, which if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
 <b>DANGER</b>	Indicates a hazard with a high level of risk, which if not avoided, will result in death or serious injury.

## Safety Instructions

- Proper configuration of all passwords and other security settings is the responsibility of the installer and/or end-user.
- In the use of the product, you must be in strict compliance with the electrical safety regulations of the nation and region. Please refer to technical specifications for detailed information.
- Input voltage should meet both the SELV (Safety Extra Low Voltage) and the Limited Power Source with 100~240 VAC or 12 VDC according to the IEC60950-1 standard. Please refer to technical specifications for detailed information.
- Do not connect several devices to one power adapter as adapter overload may cause over-heating or a fire hazard.
- Please make sure that the plug is firmly connected to the power socket.
- If smoke, odor or noise rise from the device, turn off the power at once and unplug the power cable, and then please contact the service center.

## Preventive and Cautionary Tips

Before connecting and operating your device, be advised of the following tips:

- Ensure unit is installed in a well-ventilated, dust-free environment.
- Unit is designed for indoor use only.
- Keep all liquids away from the device.
- Ensure environmental conditions meet factory specifications.
- Ensure unit is properly secured to a rack or shelf. Major shocks or jolts to the unit as a result of dropping it may cause damage to the sensitive electronics within the unit.
- Use the device in conjunction with an UPS if possible.
- Power down the unit before connecting and disconnecting accessories and peripherals.

Improper use or replacement of the battery may result in explosion. Replace with the same or equivalent type only. Dispose of used batteries according to the instructions provided by the battery manufacturer.

## Table of Contents

Chapter 1 Typical Application .....	7
Chapter 2 Physical Interfaces .....	8
Chapter 3 Indicator Description .....	9
Chapter 4 Operation .....	10
4.1 Starting up .....	10
4.2 Shutdown .....	10
4.3 Replacing Camera .....	10
4.4 Replacing DVR.....	11

## Chapter 1 Typical Application

DS-ITP00I Series Coaxial Power Unit powers TVI PoC (Power over Coaxial) cameras, and transmits analog TVI video signals, control signals and electric current from PoC camera to DVR.

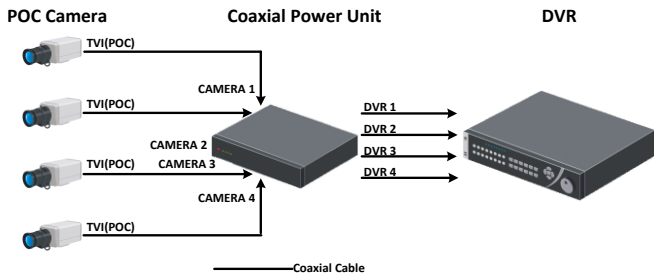


Figure 1-1 DS-ITP00I Typical Application



**NOTE** Hot plugging is not supported for PoC cameras.



## Chapter 2 Physical Interfaces

### DS-1TP08I and DS-1TP08I/AT Rear Panel

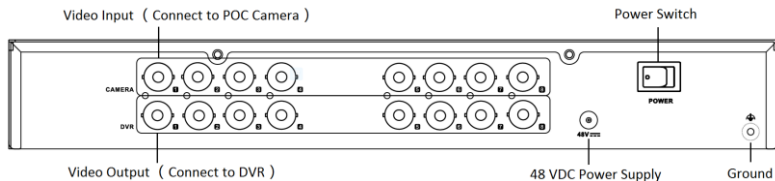


Figure 1-2 DS-1TP08I and DS-1TP08I/AT Rear Panel

#### NOTE

- DS-1TP04I and DS-1TP04I/AT provide 4-ch video inputs and outputs.
- DS-1TP00I series is able to power PoC camera.
- Video inputs and video outputs should be used in pairs like Camera1 and DVR 1 is a pair.

## Chapter 3 Indicator Description

### DS-1TP08I and DS-1TP08I/AT Front Panel

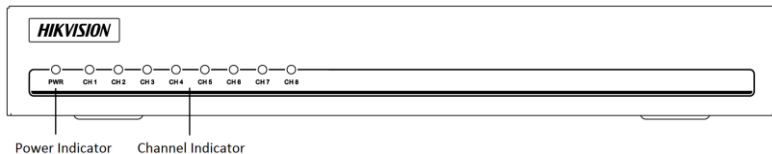


Figure 1-3 DS-1TP08I and DS-1TP08I/AT Front Panel

#### NOTE

- DS-1TP04I and DS-1TP04I/AT provide four channel indicators.
- The red power indicator indicates the power is on.
- Connect the PoC camera to video input and the corresponding channel indicator turns green.

## Chapter 4 Operation



**NOTE** Turn off the power switch before replacing the camera or DVR. For detail operation, please refer to *4.3 Replacing Camera* and *4.4 Replacing DVR*.

### 4.1 Starting up

Step 1 Connect the power supply to the device.

Step 2 Connect the camera to the video input and connect the DVR to the video output.

Step 3 Turn on the power switch, then the power indicator turns red and the channel indicators turn green.



**NOTE** It is HIGHLY recommended that an Uninterruptible Power Supply (UPS) be used in connecting with the device.

### 4.2 Shutdown

Turn off the power switch.



**NOTE** Do not unplug the power cord, when the device is working.

### 4.3 Replacing Camera

Step 1 Turn off the device according to *4.2 Shutdown*.

Step 2 Connect the replaced PoC camera to video input on the coaxial power unit.

Step 3 Start up the device according to *4.1 Starting up*.



**NOTE** Only Hikvision PoC cameras are supported.

## 4.4 Replacing DVR

Step 1 Turn off the device according to *4.2 Shutdown*.

Step 2 Replace the DVR.

Step 3 Turn on the power switch after the DVR has been replaced.

Step 4 Start up the device according to *4.1 Starting up*.



First Choice for Security Professionals