



# Network Camera


Installation Manual

*DC-Y8D11WRA*


Powered by **Direct IP**®

# Before reading this manual



This is a basic installation manual for use of an IDIS network camera. Users who are using this product for the first time, as well as users with experience using comparable products, must read this operation manual carefully before use and heed to the warnings and precautions contained herein while using the product. Safety warnings and precautions contained in this operation manual are intended to promote proper use of the product and thereby prevent accidents and property damage and must be followed at all times. Once you have read this operation manual, keep it at an easily accessible location for future reference.

-  The manufacturer will not be held responsible for any product damage resulting from the use of unauthorized parts and accessories or from the user's failure to comply with the instructions contained in this manual.
- The information in this document is believed to be accurate as of the date of publication even though explanation about some functions may not be incorporated. The manufacturer is not responsible for any problems resulting from the use thereof. The information contained herein is subject to change without notice. Revisions or new editions to this publication may be issued to incorporate such changes.
- It is recommended that first-time users of this network camera and individuals who are not familiar with its use seek technical assistance from their retailer regarding product installation and use.
- If you need to disassemble the product for functionality expansion or repair purposes, you must contact your retailer and seek professional assistance.
- Both retailers and users should be aware that this product has been certified as being electromagnetically compatible for commercial use. If you have sold or purchased this product unintentionally, please replace with a consumer version.

## Safety Symbols

Symbol	Publication	Description
	IEC60417, No.5031	Direct current

## In-Text

Symbol	Type	Description
	Caution	Important information concerning a specific function.
	Note	Useful information concerning a specific function.

## Safety Precautions

### WARNING

RISK OF ELECTRIC SHOCK  
DO NOT OPEN

**WARNING:** TO REDUCE THE RISK OF ELECTRIC SHOCK,  
DO NOT REMOVE COVER (OR BACK).  
NO USER-SERVICEABLE PARTS INSIDE.  
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

### Important Safeguards

#### 1. Read Instructions

All the safety and operating instructions should be read before the appliance is operated.

#### 2. Retain Instructions

The safety and operating instructions should be retained for future reference.

#### 3. Cleaning

Unplug this equipment from the wall outlet before cleaning it. Do not use liquid aerosol cleaners. Use a damp soft cloth for cleaning.

#### 4. Attachments

Never add any attachments and/or equipment without the approval of the manufacturer as such additions may result in the risk of fire, electric shock or other personal injury.

#### 5. Water and/or Moisture

Do not use this equipment near water or in contact with water.

#### 6. Placing and Accessories

Do not place this equipment on a wall or ceiling that is not strong enough to sustain the camera. The equipment may fall, causing serious injury to a child or adult, and serious damage to the equipment. Wall or shelf mounting should follow the manufacturer's instructions, and should use a mounting kit approved by the manufacturer.



This equipment and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the equipment and cart combination to overturn.

Do not place this equipment in an enclosed space. Sufficient ventilation is required to prevent an increase in ambient temperature which can cause malfunction or the risk of fire.

#### 7. Power Sources

This equipment should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power, please consult your equipment dealer or local power company. You may want to install a UPS (Uninterruptible Power Supply) system for safe operation in order to prevent damage caused by an unexpected power stoppage. Any questions concerning UPS, consult your UPS retailer.

This equipment should remain readily operable.

#### 8. Power Cord

Operator or installer must remove power and TNT connections before handling the equipment.

#### 9. Lightning

For added protection for this equipment during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the equipment due to lightning and power-line surges. If thunder or lightning is common where the equipment is installed, use a surge protection device.

#### 10. Overloading

Do not overload wall outlets and extension cords as this can result in the risk of fire or electric shock.

#### 11. Objects and Liquids

Never push objects of any kind through openings of this equipment as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the equipment.

#### 12. Servicing

Do not attempt to service this equipment yourself. Refer all servicing to qualified service personnel.

#### 13. Damage requiring Service

Unplug this equipment from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power-supply cord or the plug has been damaged.
- If liquid is spilled, or objects have hit the equipment.
- If the equipment has been exposed to rain or water.
- If the equipment does not operate normally by following the operating instructions, adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the equipment to its normal operation.
- If the equipment has been dropped, or the cabinet damaged.
- When the equipment exhibits a distinct change in performance — this indicates a need for service.

#### 14. Replacement Parts

When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.

#### 15. Safety Check

Upon completion of any service or repairs to this equipment, ask the service technician to perform safety checks to determine that the equipment is in proper operating condition.

#### 16. Field Installation

This installation should be made by a qualified service person and should conform to all local codes.

#### 17. Battery Caution

Leaving a BATTERY in an extremely high temperature surrounding environment that can result in an EXPLOSION or the leakage of flammable liquid or gas. A BATTERY subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.

#### 18. Tmra

A manufacturer's maximum recommended ambient temperature (Tmra) for the equipment must be specified so that the customer and installer may determine a suitable maximum operating environment for the equipment.

#### 19. UL

This product is intended to be supplied by a UL Listed Power Supply Unit marked "Class 2" or "LPS" or "PS2" and rated from 12 Vdc, 1.9 A, 22.8 W or PoE(54 Vdc), 24 W.

The wired LAN hub providing power over the Ethernet (PoE) in accordance with IEEE 802.3af shall be a UL Listed device with the output evaluated as a Limited Power Source as defined in UL60950-1 or PS2 as defined in UL62368-1.

## Mesures de sécurité

### AVERTISSEMENT

RISQUE DE CHOC ÉLECTRIQUE  
NE PAS OUVRIR

**AVERTISSEMENT : POUR RÉDUIRE LE RISQUE DE CHOC ÉLECTRIQUE,  
NE RETIREZ PAS LE COUVERCLE (OU LE DOS).  
CET ÉQUIPEMENT NE CONTIENT AUCUNE PIÈCE QUI PEUT ÊTRE REMPLACÉE PAR L'UTILISATEUR.  
L'ENTRETIEN DOIT ÊTRE CONFIE À UN PERSONNEL QUALIFIÉ.**

### Précautions importantes

#### 1. Lire les instructions

Il convient de lire toutes les mesures de sécurité et les instructions d'utilisation avant d'utiliser l'appareil.

#### 2. Conserver les instructions

Il convient de conserver les mesures de sécurité et les instructions d'utilisation pour une référence ultérieure.

#### 3. Nettoyage

Débrancher l'équipement de la prise secteur avant de le nettoyer. Ne pas utiliser de produits nettoyant liquides en aérosol. Nettoyer l'équipement à l'aide d'un chiffon doux et humide.

#### 4. Accessoires

Ne jamais ajouter d'accessoires et/ou d'équipements sans l'approbation du fabricant car ces ajouts pourraient entraîner un risque d'incendie, de choc électrique ou d'autres blessures.

#### 5. Eau et/ou humidité

Ne pas utiliser cet équipement à proximité d'eau ou en contact avec l'eau.

#### 6. Installation et accessoires

Ne pas monter cet équipement sur un mur ou un plafond qui pourrait soutenir le poids de la caméra. L'équipement pourrait tomber et blesser grièvement un enfant ou un adulte, voire s'endommager fortement. L'installation sur un mur ou une étagère doit se faire dans le respect des instructions du fabricant. Il convient d'utiliser un kit d'installation approuvé par le fabricant.



L'ensemble composé de l'équipement et du chariot doit être déplacé avec soin. Les arrêts brusques, la force excessive et les surfaces inégales pourraient entraîner le renversement de l'équipement et du chariot. Ne pas installer cet équipement dans un endroit clos. Une aération suffisante est requise afin d'éviter une augmentation de la température ambiante qui pourrait provoquer un dysfonctionnement ou créer un risque d'incendie.

#### 7. Sources d'alimentation

Cet équipement doit être alimenté uniquement par un des types de source d'alimentation repris sur l'étiquette de l'équipement. En cas de doute sur le type d'alimentation, consulter le revendeur de l'équipement ou contacter le fournisseur d'énergie électrique local.

Il est recommandé d'installer un onduleur pour une utilisation sûre et mettre l'équipement à l'abri des dégâts provoqués par une coupure inattendue de l'alimentation. Pour toutes les questions relatives à l'onduleur, contactez le distributeur d'onduleurs.

Cet équipement doit pouvoir être utilisé rapidement.

#### 8. Cordon d'alimentation

L'opérateur ou l'installateur doit débrancher l'alimentation et les connexions TNT avant de manipuler l'équipement.

#### 9. Foudre

Pour une meilleure protection de cet équipement pendant un orage ou en l'absence d'utilisation ou de supervision pendant de longues périodes, il est conseillé de le débrancher de la prise secteur et de débrancher également l'antenne et le câble. Cette mesure évitera les dégâts potentiels provoqués par la foudre ou des pics de tension. Si les orages sont fréquents dans la zone où l'équipement est installé, il est conseillé d'utiliser un système de protection contre les pics de tension.

#### 10. Surcharge

Éviter de surcharger les prises murales et les rallonges électriques afin d'éviter le risque d'incendie ou de choc électrique.

#### 11. Objets et liquides

Ne jamais introduire d'objet quel qu'il soit dans les orifices de cet équipement car il pourrait entrer en contact avec des points de tension dangereux ou provoquer un court-circuit entraînant un incendie ou un choc électrique. Ne jamais renverser de liquide quel qu'il soit sur l'équipement.

#### 12. Entretien

Ne pas réaliser l'entretien soi-même. Confier toute intervention d'entretien à un personnel qualifié.

#### 13. Dégât requérant une intervention d'entretien

Débrancher l'équipement de la prise murale et confier l'entretien à un personnel qualifié dans les conditions suivantes :

- Le cordon d'alimentation ou la fiche ont été endommagés.
- Un liquide a été renversé ou des objets sont tombés dans l'équipement.
- L'équipement a été exposé à la pluie ou à de l'eau.
- Si l'équipement ne fonctionne pas normalement malgré le respect des instructions d'utilisation, il faut régler uniquement les commandes couvertes par ces instructions. Le réglage inadéquat des autres commandes pourrait provoquer des dégâts et entraîner une intervention prolongée d'un technicien qualifié pour rétablir le fonctionnement normal de l'équipement.
- En cas de chute de l'équipement ou d'endommagement de l'armoire.
- Quand les performances de l'équipement se dégradent de façon notable. Ceci indique la nécessité d'un entretien.

#### 14. Pièces de rechange

Quand des pièces doivent être changées, il faut s'assurer que les pièces de rechange utilisées par le technicien sont celles recommandées par le fabricant ou qu'elles possèdent des caractéristiques identiques à celles de la pièce d'origine. Tout remplacement non autorisé pourrait provoquer un incendie, un choc électrique ou d'autres dangers.

#### 15. Contrôle de sécurité

À l'issue de toute opération d'entretien ou de réparation sur l'équipement, le technicien devra réaliser des contrôles de sécurité pour confirmer que l'état de fonctionnement de l'équipement en question est adéquat.

#### 16. Installation sur le terrain

L'installation doit être réalisée par un technicien d'entretien qualifié, dans le respect des réglementations locales.

#### 17. Mises en garde concernant la batterie

A. La BATTERIE n'est pas remplaçable par l'utilisateur. N'essayez pas de retirer, de démonter ou de réparer la BATTERIE.

B. N'exposez pas la BATTERIE au feu ou à des températures élevées. De telles conditions peuvent provoquer une EXPLOSION ou une fuite de liquide ou de gaz inflammable.

C. Ne broyez pas, ne percez pas et ne coupez pas la BATTERIE. De tels dommages mécaniques peuvent provoquer une EXPLOSION ou une fuite de liquide ou de gaz inflammable.

D. N'exposez pas la BATTERIE à des environnements avec une pression atmosphérique extrêmement basse. De telles conditions peuvent provoquer une EXPLOSION ou une fuite de liquide ou de gaz inflammable.

E. Éliminez la BATTERIE conformément aux réglementations locales. Une élimination incorrecte peut provoquer une EXPLOSION ou une fuite de liquide ou de gaz inflammable.

#### 18. Tamr

Il faut déterminer la température ambiante maximale recommandée (Tamr) par le fabricant pour l'équipement afin que le client et l'installateur puissent identifier les conditions de service maximales adéquates pour l'équipement.

#### 19. UL

Ce produit est destiné à être alimenté par une alimentation électrique homologuée UL, marquée « Class 2 », « LPS » ou « PS2 », et délivrant une sortie de 12 V c.c., 1,9 A, 22,8 W, ou par PoE (54 V c.c.), 24 W. Le concentrateur LAN filaire fournissant l'alimentation par Ethernet (PoE), conformément à la norme IEEE 802.3af, doit être un appareil certifié UL avec une sortie évaluée comme source d'alimentation limitée (Limited Power Source) selon la norme UL60950-1 ou comme PS2 selon la norme UL62368-1.

## FCC Compliance Statement

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 USERS WILL BE REQUIRED TO CORRECT THE INTERFERENCE AT THEIR OWN EXPENSE.

**WARNING:** CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT. THIS CLASS OF DIGITAL APPARATUS MEETS ALL REQUIREMENTS OF THE CANADIAN INTERFERENCE CAUSING EQUIPMENT REGULATIONS.

**AVERTISSEMENT :** TOUT CHANGEMENT OU MODIFICATION QUI N'A PAS OBTENU L'APPROBATION EXPRESSE DE L'AUTORITÉ RESPONSABLE DE LA CONFORMITÉ POURRAIT SE TRADUIRE POUR L'UTILISATEUR PAR LE RETRAIT DE L'AUTORISATION D'UTILISER L'ÉQUIPEMENT. CETTE CLASSE D'APPAREIL NUMÉRIQUE RÉPOND À TOUTES LES EXIGENCES DES RÉGLEMENTATIONS CANADIENNES APPLICABLES AUX ÉQUIPEMENTS QUI PROVOQUENT DES INTERFÉRENCES.

## WEEE (Waste Electrical & Electronic Equipment)

### Correct Disposal of This Product

*(Applicable in the European Union and other European countries with separate collection systems)*



This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

## Copyright

© 2026 IDIS Co., Ltd.

IDIS Co., Ltd. reserves all rights concerning this operation manual.

Use or duplication of this operation manual in part or whole without the prior consent of IDIS Co., Ltd. is strictly prohibited.

Contents of this operation manual are subject to change without prior notice for reasons such as functionality enhancements.

## Registered Trademarks

IDIS is a registered trademark of IDIS Co., Ltd.

Other company and product names are registered trademarks of their respective owners.

The software included in this product contains some Open Sources. You may obtain the corresponding source code which we have to distribute according to the license policy. For more information, refer to **System > General** page. This product includes software developed by the University of California, Berkeley and its contributors, and software developed by the OpenSSL Project for use in the OpenSSL Toolkit (<http://www.openssl.org/>). Also, this product includes cryptographic software written by Eric Young ([eay@cryptsoft.com](mailto:eay@cryptsoft.com)).

# Table of Contents

---

## 1

<b>Part 1 – Introduction</b> .....	<b>7</b>
Product Features .....	7
Accessories .....	8
Overview .....	9
Top Cover .....	9
Body .....	9
Factory Reset .....	11
Installation .....	12
Inserting a SD Memory Card .....	12
Cable Installation .....	12
Installation .....	13
Dimension .....	16

## 2

<b>Part 2 - Camera Connection</b> .....	<b>17</b>
With DirectIP® NVR-based Layout .....	17
With non DirectIP® NVR-based Layout .....	18

## 3

<b>Part 3 - Appendix</b> .....	<b>19</b>
Troubleshooting .....	19
Specifications .....	20

# Part 1 – Introduction

## Product Features

**DC-Y8D11WRA** is an IP-based network camera that compresses and transmits video over ethernet.

You can use the IDIS Discovery program to change network camera settings or the IDIS Solution Suite Compact program to manage multiple network cameras. In addition, the embedded web server (IDIS Web) lets you remotely view live video or scan recorded video using a web browser. In addition, you can use the IDIS Solution Suite Compact to manage network cameras and view/record video.



In this operation manual, the term **Remote System** refers to the computer on which the remote program (IDIS Solution Suite Compact or IDIS Web) is running.

- Supports DirectIP mode working with a DirectIP® NVR that allows users to simply set up all required configurations without a PC
  - Multi-streaming for high-resolution and high-quality video monitoring and simultaneous recording in real-time as well as flexible configurations for those
  - Supports H. 265, H.264 video compression, and M-JPEG still image compression algorithms
  - Supports 4-stage video compression rate and multiple compression resolutions
  - Bidirectional audio communication support for remote audio dialog
  - Video stream buffering to counter pre-/post-event buffering and network delays for improved network recording reliability
  - Remote monitoring via web browser or remote software
  - Up to 10 simultaneous remote connections
- IP filtering, HTTPS, SSL, IEEE 802.1X, and configurable user authority levels for greater security
  - Network bandwidth limitation and MAT features for more efficient use of network bandwidth
  - Easy network access via UPnP (Universal Plug and Play) function and embedded mDNS (Multicast DNS) protocol
  - Supports ONVIF protocol (Core specification version 2.4.0)
  - Wide dynamic range compensation (True WDR) for improved video quality in high-contrast situations
  - Slow shutter support for improved low-lighting video capture performance
  - Day & Night feature (built-in IR cut filter changer)
  - Quick and easy firmware upgrade over the network
  - Redundant firmware and auto recovery features for improved system stability
  - Network-based integrated management of multiple network cameras
  - Multiple event detection modes: Alarm-in, motion detection, trip zone, audio detection, and tampering
  - Backup storage on a microSD memory card as a safeguard against data loss during network interruptions
  - Supports 12 VDC and PoE (Power over Ethernet)
  - Features a built-in microphone
  - Intelligent codec function
  - Self adjusting video mode
  - Supports dewarping function



Remote monitoring and recording via multistreaming are available using the IDIS Solution Suite Compact program. For more information on using IDIS Solution Suite Compact, refer to its **operation manual**.



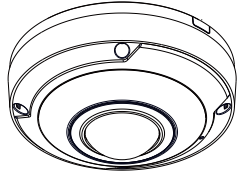
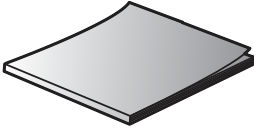
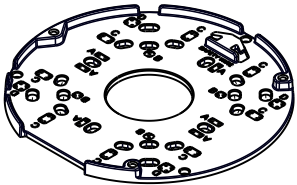
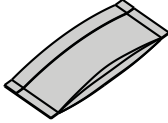
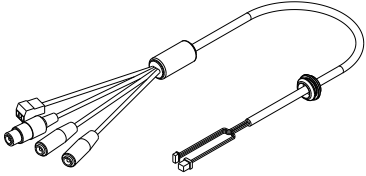
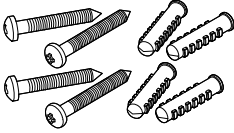
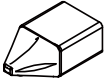

There is a limit to the number of users allowed to connect remotely via the Internet at the same time.



Le nombre d'utilisateurs autorisés à se connecter simultanément à distance via Internet est limité.

## Accessories

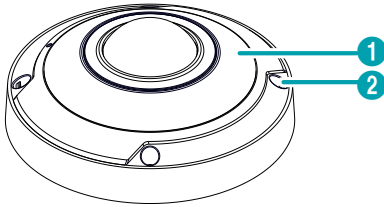
Upon purchasing the product, check inside the box to make sure all the following accessories are included. External appearances and colors of the accessories may vary depending on the model.

	
Network Camera	Quick Guide
	
Installation Bracket	Desiccant
	
IO Cable	Screws, Anchors (each 4 ea.)
	
Protect Connector	Allen Wrench

## Overview

- Product color and design may vary depending on the model.

## Top Cover

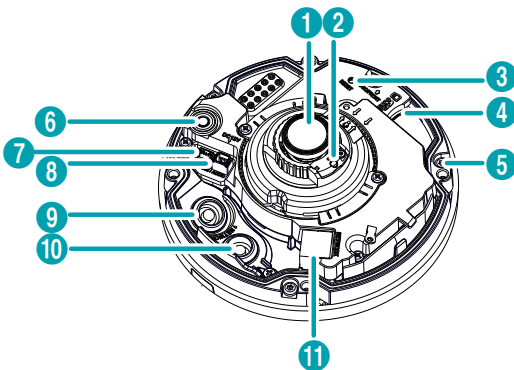


1	Built-In IR LED
2	Body Connection Screw

### • Built-In IR LED

A sensor in the middle monitors lighting levels and activates the IR LED during low-lighting conditions.

## Body



1	Lens
2	Sensor
3	Factory Reset Button
4	SD Memory Card Slot
5	Installation Bracket Connection Screw
6	Built-in Microphone

7	Alarm/Audio In/Out
8	Power
9	Network Cable Connection Bushing
10	IO Cable Connection Bushing
11	Network Port

### • Lens

A lens is mounted.

- Before you install this product, remove the peel off film attached to the surface of the lens.

### • Sensor

There is a sensor for monitoring lighting levels.

### • Factory Reset Button

Restores the camera's default factory settings. For more information, refer to the **Factory Reset** on page 11.

### • SD Memory Card Slot

Used to insert a microSD memory card into the camera. (An SLC (Single Level Cell) or MLC (Multi Level Cell) card by SanDisk or Transcend is recommended) For more information, refer to the **Inserting a SD Memory Card on page 12**.



- Do not remove the SD memory card while the system is in operation. Removing the card while the system is in operation can cause the system to malfunction and/or corrupt data stored on the SD memory card.

- An SD memory card is a consumable product with a finite service life. Prolonged use will damage the card's memory sectors and result in data loss or memory card failure. Test the SD memory card regularly and replace it whenever necessary.



- Ne retirez pas la carte mémoire SD pendant que le système fonctionne. Le retrait de la carte pendant que le système fonctionne peut provoquer un dysfonctionnement du système et/ou corrompre les données stockées sur la carte mémoire SD.

- Une carte mémoire SD est un produit consommable avec une durée de vie limitée. Une utilisation prolongée endommagera les secteurs de mémoire de la carte et entraînera une perte des données ou une panne de la carte mémoire. Testez la carte mémoire SD régulièrement et remplacez-la chaque fois que nécessaire.

### • Installation Bracket Connection Screw

Connect the screws to install the camera onto the bracket.

• **Built-in Microphone**

Receives audio.

• **Audio Out**

Connect an amplifier to this port (line out). This device does not feature a built-in audio amplifier unit and therefore requires the user to purchase a separate speaker system with a built-in amplifier.

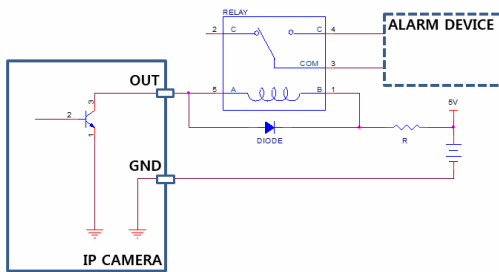
• **Audio In**

Connect an audio source to this port (line in). A built-in microphone is featured on the front.

• **Alarm In / Out**

- **In:** Connect an alarm-in device to this port. (Mechanism: Choose between an NC (Normally Closed) type or an NO (Normally Open) type) → Connect a mechanical or electrical switch to the alarm in port and the GND (ground) connector. Alarm in range is 0V to 5V. In order to detect alarm input from an electrical switch, the signal must be higher than 4.3V from an NC switch or less than 0.3V from an NO switch and must last for longer than 0.5 seconds.
- **Out:** It is the BJT (Bipolar Junction Transistor) - open collector output. If the voltage and current exceed the specification limit (Max. load: 30mA, Max. Voltage: 5VDC), the product could be damaged. When connecting the device which exceeds the specification limit, refer to the picture (circuit) below.

✓ If used with an external inductive load(e.g. relay), a diode must be connected in parallel with the load for protection. Otherwise, the product could be damaged.



- Check your local laws and regulations on making video or audio recordings. The user will be held liable for any violation of the law.
- When switching over from 12 VDC to PoE as the power source, the system will be rebooted once the power adapter is disconnected.
- Ground the power port's frame ground terminal before use.
- Organize the power cable so that it will not cause people to trip over or become damaged from chairs, cabinets, desks, and other objects in the vicinity. Do not run the power cable underneath carpet or a rug or plug the cable into a power outlet shared by a number of other devices.



- Vérifiez les réglementations et législations locales avant de réaliser des enregistrements vidéo ou audio. L'utilisateur sera responsable de toute violation de la loi.
- Lors du passage de l'alimentation 12 VDC au PoE+, le système redémarre après la déconnexion du 12 VDC.
- Avant utilisation, mettez à la terre la borne de mise à la terre du châssis du port d'alimentation.
- Disposez le câble d'alimentation de manière à éviter tout risque de trébuchement ou d'endommagement par des chaises, armoires, bureaux ou autres objets à proximité. Ne faites pas passer le câble d'alimentation sous un tapis ou une moquette et ne le branchez pas sur une prise électrique partagée avec plusieurs autres appareils.

• **Power (DC12V)**

Connect this to the power adapter. An A-type jack is used for the power adapter. (External diameter x internal diameter: 5.5 mm x 2.5 mm(0.22" x 0.10"))



The following table describes the network cable specifications.

<The network cable specifications>

Item	Content	Note
Connector	RJ-45	
Ethernet	10/100/1000 Base	10/100/1000 Mbps
Cable	UTP Category 5e or higher	
Maximum length	100m	
PoE	IEEE 802.3at, Class 4	

## • Network Port

Connect a network cable with an RJ-45 connector to this port. If using a PoE switch, you can supply power to the camera using an ethernet cable. For more information on PoE switch use, refer to the switch manufacturer's operation manual. You can configure, manage, and upgrade this camera and monitor its images from a remote computer over the network. For more information on network connection setup, refer to the **IDIS Discovery operation manual**.

## Factory Reset

Only use the factory Reset Button to restore the camera to its factory default settings.



A factory reset will clear all camera settings configured by the user.



La réinitialisation d'usine effacera toutes les valeurs des paramètres de la caméra configurées par l'utilisateur.

- 1 Remove the power connector from the power adapter to cut off the power supply
- 2 Remove the top cover, and then press and hold the reset button down.
- 3 Hold the switch down and reconnect the power adapter.
- 4 Once the device turns back on, wait 5 seconds, and then release the reset button.
- 5 The device will go through the resetting process and reboot. All camera settings will be restored to their factory defaults after the reboot.

It's also possible to do a factory reset by pressing and releasing the reset button while the camera is turned on or using the IDIS Discovery program from a remote location. A factory reset will reboot the system. For more information on factory reset, refer to the **IDIS Discovery operation manual**.

## Installation

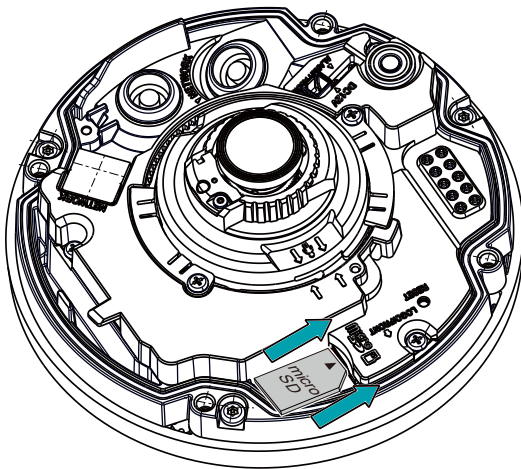
Installation of this product does not require the use of special tools.

For more information on other devices comprising the overall system, refer to their respective **installation manuals**.

- ✓ Product color and design may vary depending on the model.

## Inserting a SD Memory Card

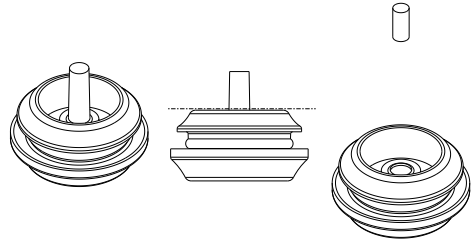
- 1 Remove the top cover.
- 2 Insert a SD memory card into the SD memory card slot with the 'micro SD' print facing upward.



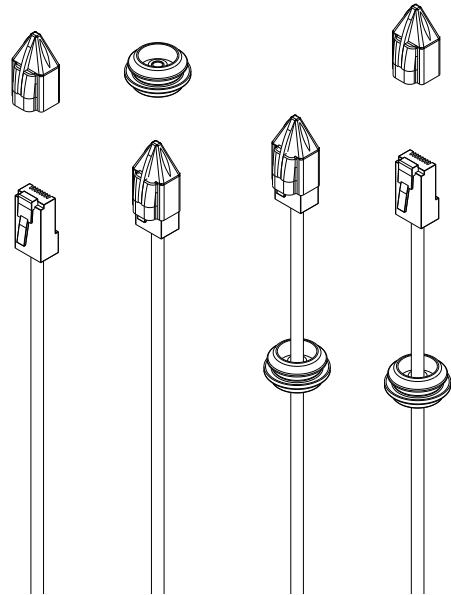
- ✓ Push the SD memory card until it disengages from the slot, and then pull it out.

## Cable Installation

- 1 Remove the protrusion part from the cable rubber along the dotted line.

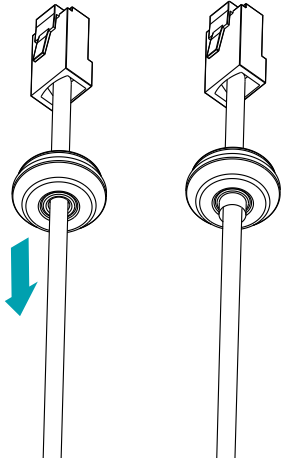


- 2 Insert the LAN cable through the cable rubber using the protect connector.



- ✓ The use of lubricant is recommended to insert the LAN cable smoothly.

- 3 Pull the cable slightly and arrange the rubber as shown below. The cable length is approximately 2.36 inches.(60mm)



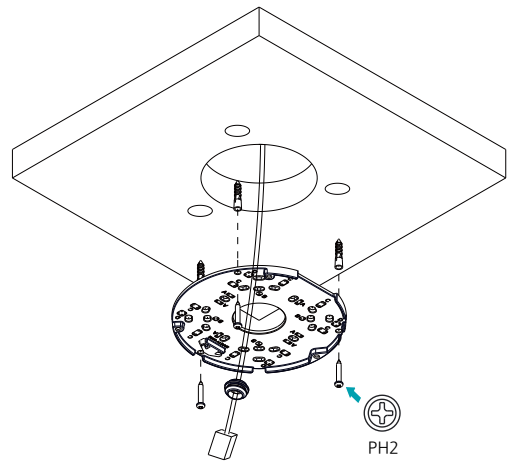
- ✓
 If you insert a thin cable or more than two cables, it is advised to finish by using silicon to make sure to perfectly waterproof it. (Silicon finishing part — refer to the bottom image.)



## Installation

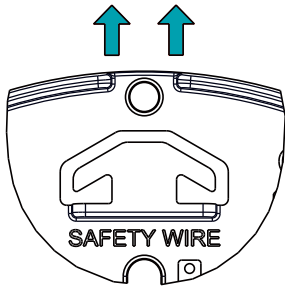
- ⚠
 • Check the wall or ceiling to see if it needs to be reinforced. The camera may fall off if the wall or ceiling is not strong enough to support its weight.
- Install the camera in a shaded area. If the camera is installed in direct sunlight, it may be affected adversely.
- ⚠
 • Vérifiez si le mur ou le plafond a besoin d'être renforcé. La caméra risque de chuter si le mur ou le plafond n'est pas suffisamment robuste pour supporter son poids.
- Installez la caméra dans une zone ombragée. Si la caméra est installée à la lumière directe du soleil, son fonctionnement peut être affecté négativement.

- 1** Use the anchors and screws provided with the product to secure the installation bracket to the wall or ceiling. Also, pass the cable through the installation bracket as prepared earlier with the cable rubber. (If the cable is routed to the side, passing it through the bracket is not necessary.)



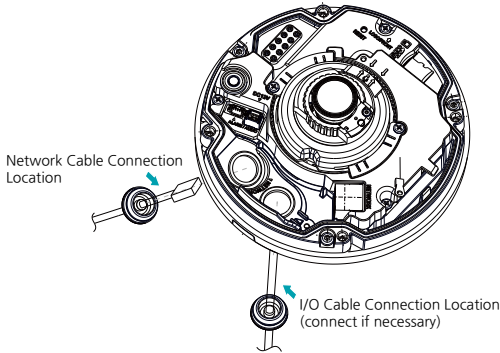
- ✓
 Drill the screw holes on the mounting surface according to the hole positions on the installation bracket, and install the bracket aligning it with the arrow direction.

Part 1 – Introduction

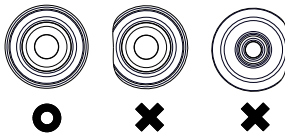


- \* When installing on the ceiling: front of the product
- \* When installing on the wall: top of the product

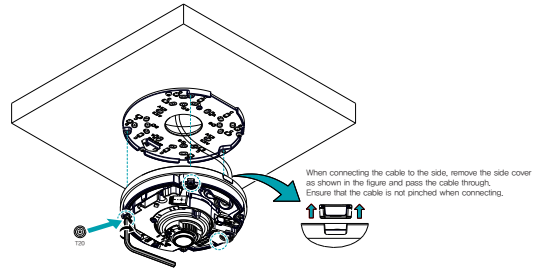
2 Connect the network cable with the bushing attached to the product as shown. If power and I/O cables need to be connected, remove the bushing attached to the product and connect the cables to the product in the same as the network cable provided with the product.



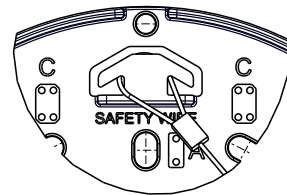
✓ After inserting the bushing into the body, make sure that the top and bottom parts of the bushing do not fold or get pressed, as shown in the figure.



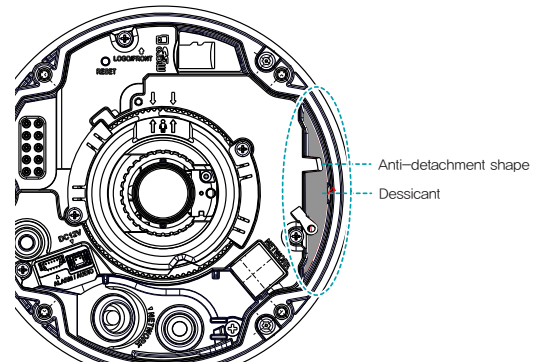
3 Connect the body to the installation bracket, and tighten screw (3) on the body clockwise using the Allen Wrench provide with the product.



✓ Hook the safety wire on the body onto the designated ring of the installation bracket to prevent the product from falling.



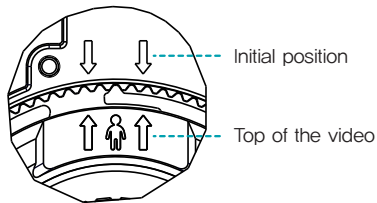
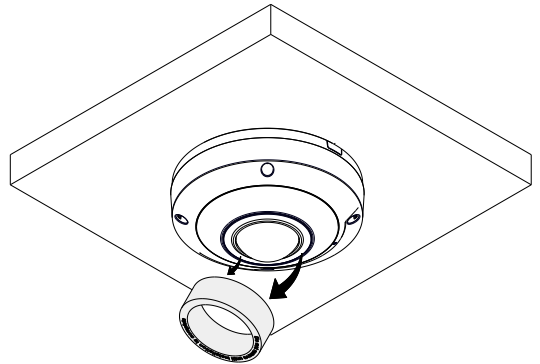
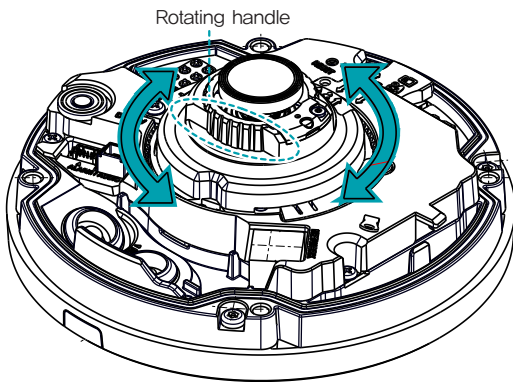
4 Install the desiccant provided with the product in the designated space inside as shown in the picture.



✓ To prevent the desiccant from coming off during installation, insert it under the anti-detachment shape, and when assembling the top cover, tuck it inward to prevent the desiccant from getting caught.

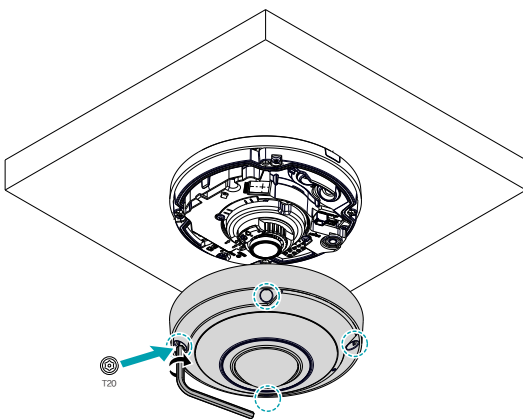
5 The lens supports horizontal rotation. After rotation, the image orientation can be adjusted by referring to the product label.

✓ When rotating horizontally, hold the rotating handle in the picture below and rotate it, taking care not to touch the lens.



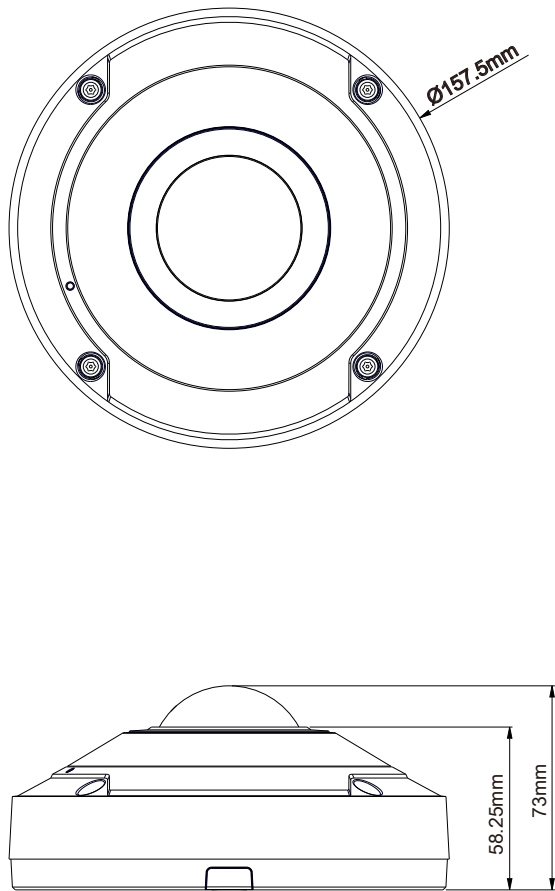
- 6 Close the top cover and secure it by turning the screw (4) on the top cover clockwise using the Allen Wrench provided with the product.

When attaching the top cover, be careful not to get the desiccant and safety wire caught between them.



- 7 Once installation is complete, remove the dome cover protection pad attached to the top cover.

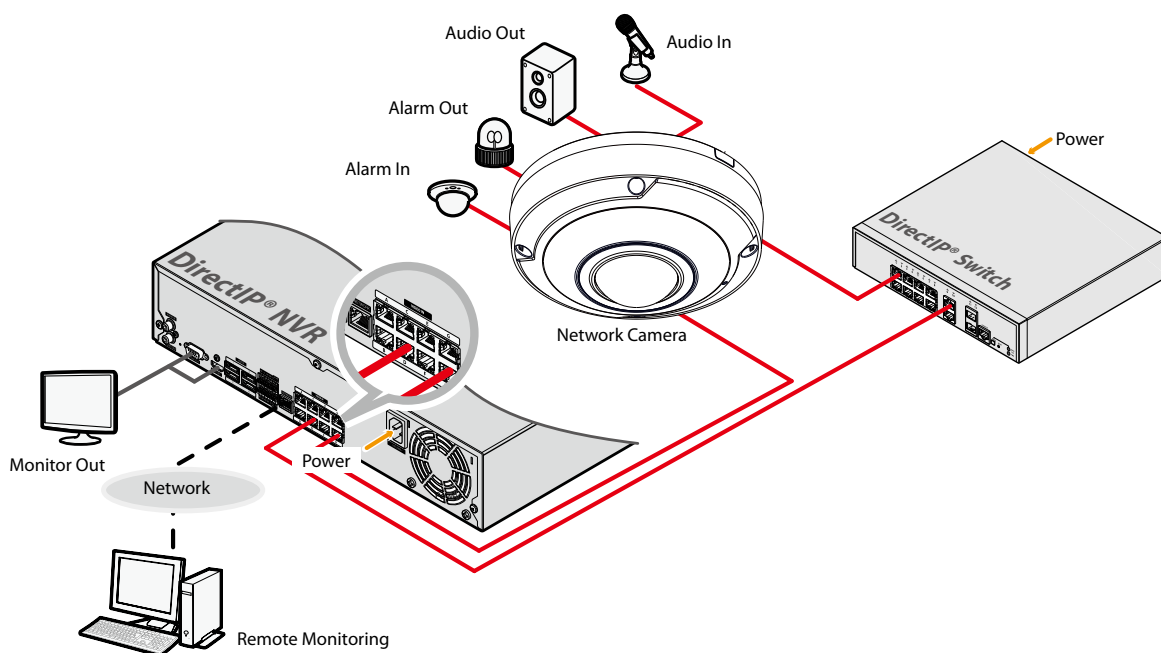
## Dimension



## Part 2 - Camera Connection

Use the camera by connecting to DirectIP® NVR or non DirectIP® NVR, VMS such as IDIS Solution Suite Compact.

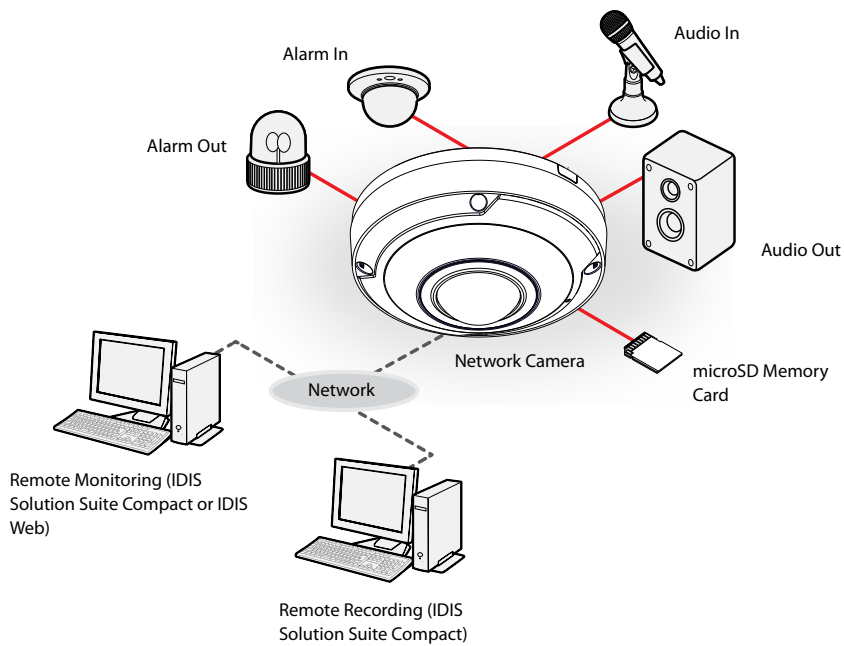
### With DirectIP® NVR-based Layout



DirectIP® NVR makes it easy to use cameras without extra network configurations. Each camera can be controlled via the DirectIP® NVR setup menu, without any PC. For detailed camera settings, please see the camera setting pages of DirectIP® NVR manual.

**For users using the camera with DirectIP® NVR connection, do not need to consider contents in the camera operation manual.**

## With non DirectIP® NVR-based Layout



Control the camera over the network from software installed on a computer.  
Ideal for using the camera over the network from a remote location.

**The contents in the camera operation manual are only for users using the camera with non DirectIP™ NVR connection or VMS connection such as IDIS Solution Suite Compact.**

# Part 3 - Appendix

## Troubleshooting

Problem	Check
<b>The main unit won't turn on.</b>	<ul style="list-style-type: none"><li>• Check the power cable connection.</li><li>• Check the power outlet.</li></ul>
<b>PoE switch isn't being recognized.</b>	Check the grounding status of the I/O device connected to the camera and the PoE switch. If they are not grounded, ground them and try again.
<b>I can't see Live videos.</b>	<ul style="list-style-type: none"><li>• Check the camera's power status.</li><li>• Ensure that cables are properly connected to the camera and the lens.</li><li>• Check the network connection status of the computer and the network camera.</li></ul>
<b>Images are blurry.</b>	<ul style="list-style-type: none"><li>• Make sure the lens is clean. If not, clean it using a soft piece of cloth or a brush.</li><li>• Make sure the lens is in focus. Adjust the focus during daytime.</li><li>• If there is too much light coming into the camera or the camera is picking up an overly bright light source, adjust the camera's position/angle accordingly.</li></ul>
<b>Video color appears incorrect.</b>	Check the white balance settings. If using the <b>Auto</b> option, it may take some time for the white balance to be adjusted.
<b>Images are blinking.</b>	If the camera is pointed at the sun or a fluorescent lamp, adjust the camera's angle away.
<b>Lost the admin ID and password and unable to connect to a network camera.</b>	You must perform a factory reset. A factory reset will revert all settings, including network settings, to their factory defaults. After performing a factory reset, make a memo of the admin ID and password as a safety precaution.
<b>Unable to launch IDIS Web.</b>	If the IDIS Web login screen is not loading, check which version of Microsoft Internet Explorer you are using. IDIS Web may not launch properly on versions 10 or below.

## Specifications




These product specifications may change without prior notice.

### Video

<b>Image Sensor</b>	1/1.6" CMOS
<b>Max. Resolution</b>	3520 x 3520
<b>Scanning Mode</b>	Progressive Scan
<b>Lens type</b>	Fixed-focal
<b>Focal Length</b>	f=1.7mm
<b>Aperture</b>	F2.0
<b>Iris Control</b>	Fixed Iris
<b>Angular Field of View</b>	H: 180° / V: 180° / D: 180°
<b>Min. Illumination</b>	Color : 0.09 lux @ F2.0 B/W : 0 lux (IR LED ON)
<b>Dynamic Range</b>	120dB, True WDR
<b>Electronic Shutter Speed</b>	Auto / Manual (1/30 ~ 1/10,000), Anti-Flicker, Slow Shutter(1/7.5, 1/15)
<b>Day &amp; Night</b>	IR cut filter with auto switch
<b>IR Distance (LEDs)</b>	15m (4ea)

### Network

<b>Video Compression</b>	H.265, H.264 Main Profile, M-JPEG
<b>Bitrate Control</b>	VBR / CBR
<b>Max. Frame Rate</b>	30ips : 3520 x 3520
<b>Audio Compression</b>	OPUS 16K, OPUS 24K, OPUS 48K, ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law
<b>Supported Resolution</b>	3520x3520, 880x880
<b>Multi-Video Streaming</b>	Quadruple
<b>Ethernet</b>	RJ45(10/100/1000BASE-T)
<b>Edge Storage * (Optional)</b>	 (micro SD/SDHC/SDXC memory card (Class 6 or above, up to 512 GB))

\* An SLC (Single Level Cell) or MLC (Multi Level Cell) card by SanDisk or Transcend is recommended to ensure stable recording performance.



\* An SD memory card is a consumable product with a finite service life. Prolonged use will damage the card's memory sectors and result in data loss or memory card failure. Test the SD memory card regularly and replace it whenever necessary.

\* microSD Logo is a trademark of SD-3C, LLC.

## I/O

<b>Audio In/Out</b>	Line-in 1ea / Line-out 1ea / Internal Mic 1ea
<b>Alarm In</b>	1 TTL, NC/NO Programmable, 4.3V(NC) or 0.3V(NO) threshold, 5V DC
<b>Alarm Out</b>	1 TTL open collector, Max. load: 30mA, Max. voltage: 5VDC

## General

<b>Operating Temperature</b>	-40°C ~ +55°C (-40°F ~ +131°F)
<b>Boot Up Temperature</b>	-20°C ~ (-4°F ~ )
<b>Operating Humidity</b>	0% ~ 90%
<b>Power Source</b>	12V  , PoE(IEEE 802.3at, Class 4)
<b>Power Consumption</b>	12V  , 1.9A, 22.8W PoE, IEEE 802.3at(Class 4), 54VDC, 24W
<b>Approval</b>	FCC, CE, UL, IK10, IP67, NEMA 4X
<b>External Dimensions (Ø x H)</b>	157.5mm x 73mm (6.2" x 2.87")
<b>Weight (Main Unit)</b>	1.1 kg (2.42 lb)





**IDIS Co., Ltd.**

For more information, please visit at  
[www.idisglobal.com](http://www.idisglobal.com)