## Specification

| | |
|---|---|
| Model | TR-D8221WDIR3 |
| Image sensor | 1/2.8" STARVIS CMOS 2MP |
| Resolution | FullHD (1920x1080) |
| Frame rate | FullHD@25fps |
| Day/Night Mode | Mechanical ICR |
| Sensitivity | 0.003Lux (F1.8) / 0Lux (IR on) |
| IR range | up to 30 m |
| Lens (mm) | 1.9 / 2.8 / 3.6 |
| Digital noise reduction | 3D-DNR |
| WDR | Real WDR (120dB) |
| Video compression | H.264 / H.265 |
| Bitrate | 8Mbps |
| Local storage | MicroSD up to 128GB |
| Audio | 2-way |
| Alarm In / Out | 1 / 1 |
| Power supply | PoE (802.3af) / 12V DC |
| PoE Class | 3 |
| Power consumption | DC: 7.6 W |
| | PoE: 8.8 W |
| Dimensions (mm) | ø92.8 x 89.84 |
| Net weight (g) | 380 |
| Ingress protection | IP66, IK10 |
| Working temperature | -40°C … +60°C |

## Camera Package

| | |
|---|---|
| IP camera | 1 pc |
| User manual | 1 pc |
| Mounting kit | 1 pc |

# TR-D8221WDIR3
## 2MP Eyeball IP camera



Data _____  Stamp _____

**Here is the confirmation form for warranty assurance**

**Note: read user manual before using**
**Website: www.trassir.com**
**For any inquiry: info@trassir.com**

## Introduction

Congratulations with purchasing of IP camera TR-D8221WDIR3.
Please read User Manual before using a camera.

## Key features

• Support codec H.265
• Wide Dynamic Range (Real WDR 120dB)
• Digital Noise Reduction (3D-DNR)
• IR range up to 30 m
• Support of 2 video streams
• Two-way audio (built-in speaker and microphone)
• Alarm: 1 in / 1 out
• Onboard video archive (Edge Storage) – local recording
  on MicroSD card* up to 128GB
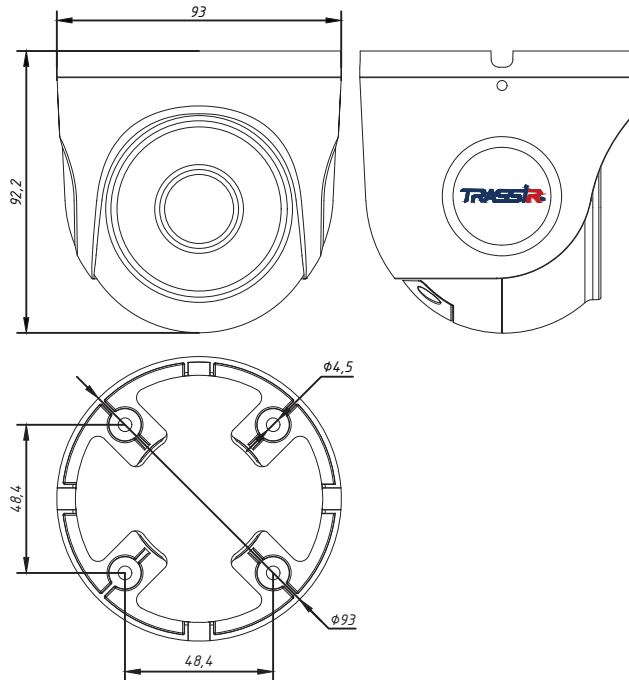• Power supply 12V DC or PoE

\* MicroSD Card is not included into camera package

## Connecting

To get started with IP camera you are required to have a PC connected
to the local network with Windows installed and Internet Explorer
version 8 or higher.

1. Connect IP camera to the network.
2. When the camera is connected through a switch which doesn't
   support PoE, connect adapter to power jack.

## Dimensions



*93*

*92,2*

*ϕ4,5*

*48,4*

*ϕ93*

*48,4*

## Notes:
Power supply should meet the requirements: output voltage, current,
polarities and working temperature. Pay attention that you have
lightning conductor while using IP camera during a storm or plug off
power connector.
Pay attention to temperature requirements of IP-camera. Avoid of using
IP camera in high or low temperatures.
Don't install your IP camera near heaters.
Don't direct camera lens to the sun or bright object. It could harm your
image sensor.

## Manual setting of network parameters.

IP-camera and PC should be in one local network to connect to each
other. In this case IP address of a camera, PC or any other devices
shouldn't match each other.

IP camera has the following default settings:
  - *IP address: 192.168.1.188*
  - *Subnet mask: 255.255.0.0*
  - *Gateway: 192.168.1.1*
  - *HTTP-port: 80*
  - *username: admin*
  - *password: admin*

  Example of network settings for PC to connect to IP camera:
  - *IP address: 192.168.1.10;*
  - *Subnet mask: 255.255.0.0.*

**There are 3 options to set up your camera:**

1. Change IP address of a camera manually.
   Start your browser, connect to IP camera and enter your
   username and password. Choose appropriate menu item and change
   network settings of IP camera.

2. Set IP address of a camera using fast configuration utility which could
   be downloaded from www.trassir.com.

3. Change IP camera settings using TRASSIR professional software.

Find detailed instruction on camera settings in user manual which could
be downloaded from our website www.trassir.com.