

GlobalCAM-4.5G 2PoE

Industrial, outdoor 4G / LTE transmitter for IP cameras with two PoE ports



Thank you for purchasing the GlobalCAM-4.5G 2PoE LTE router. The device enables wireless connection between many IP cameras and NVR / VMS over the Internet 4G / LTE and provides users access via the Internet to IP cameras, NVR / VMS recorders and the entire IP network.

Two LAN / PoE ports supply direct power to IP cameras. The router offers download speeds of up to 150Mbps and upload speeds of up to 50Mbps.

GlobalCAM-4.5G 2PoE has the following capabilities:

- **Transmission via LTE / 4G / 3G** – works with any SIM card of any operator in Europe.
- **2 PoE ports** to power IP cameras directly from the device.
- **Very easy** and quick to start up – you only need to set two parameters.
- **Smooth transmission of video** from 4 IP cameras – uses 100% LTE technology, which ensures up to 150Mb/s downlink speed and 50Mb/s uplink speed.
- **Wi-Fi** with a range of 50m around is used to connect to Wi-Fi cameras or to configure the unit.
- **Many options for powering the device** – 12V DC, 48V DC, PoE Passive (48V), PoE24V.
- **Outdoor** – resistant to outdoor weather conditions.
- **LINUX** – based on Linux software.
- **Encryption** of data transmission, firewall, access filtering etc.
- **Very strong omnidirectional LTE and Wi-Fi antennas.**
- **IoT** – Internet of Things.
- **3-year warranty** with an option to extend it to 5 years.
- **Very easy to use** – 99% of the settings are already pre-configured by CAMSAT. In addition, the customer receives factory settings in the SETTINGS file, thanks to which the user can restore the initial settings (from the date of purchase).

With this device, you can:

- **Provide live view from IP cameras** to any NVR or VMS / PC via 4G/LTE.
- **Record video to NVR via Internet.**
- **Have live access to all CCTV video surveillance** on site.
- **Power two IP cameras directly from the PoE** – with 48V power supply
- **Connect several wireless cameras** around via Wi-Fi and forward via 4G/LTE.
- **Interconnect several machines** with each other – transparent M2M bridge.

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1. Safety and maintenance tips

To use our device safely, please read and follow the instructions in this manual.

1.1. Safety symbols



Warning about a possible risk of electric shock from high voltage inside the product's casing.



Attention: Important information



Warning: The device may operate in a range of frequencies and power that may not be allowed in certain countries.

The system for trouble-free long-term operation requires regular maintenance and inspection. We recommend placing it on a solid structure and routing the power cables in such a way that they cannot be accidentally damaged by the operator or bystanders.

1.2. Safety and maintenance tips

The device has been designed and manufactured with the utmost care for the safety of installers and users. To ensure work safety, follow all indications contained in this manual as well as the manuals for accompanying devices (e.g. PC computer, IP cameras). Please read this manual carefully before installing the unit.

Safe working conditions for the device must be ensured. Any changes made by the user to the device will result in the loss of its legal use and loss of warranty. The device has undergone a mandatory conformity assessment and meets the essential requirements of the European New Approach directives. The product is CE marked.

The device is adapted to work in the European Union.

You should not stay closer than 30cm from the working device.

1.3. R&TTE Conformity Declaration

The device operates in accordance with the requirements of the European directive describing radio equipment, telecommunications terminals and their mutual recognition and compliance (Directive 1999/5/CE of the European Parliament and the Council of Europe, march 1999, on radio equipment and telecommunication terminal equipment and the mutual recognition of their conformity).

The caseCAM system complies with the regulations regarding the safe use of electrical devices. Please observe the following instructions:

- the mains socket must be grounded in accordance with the regulations,
- before moving or performing other technical operations, disconnect the device from the power supply,
- do not use damaged or worn power cords, as they pose a significant threat to the user's safety,
- installation work must be performed by appropriately trained technical personnel,
- do not use the device in the presence of flammable substances,
- protect the device against access of children or unauthorized persons, make sure that the device is properly attached,
- the device is considered turned off only after disconnecting the power supply cables and cables connecting them with other devices,
- if the device is moved from a cool to a warm place, water vapor may condense inside it, preventing its proper operation (then wait for the moisture to evaporate).

1.4. Distances, interferences

- Transmission range may vary depending on frequency, environment, radio wave conditions, buildings, weather conditions etc.
- When the transmitter is placed near devices such as a TV, wireless R-LAN, another transmitter, or among other radio devices, the video image may not be transmitted correctly or the devices may lose connection. When this occurs, increase the distance between the interfering devices and other radio devices.
- Signal reception may vary depending on the height and angle of the transmitter. If the signal reception is not stable, optimize the antenna alignment.
- Meteorological radars operating in the frequency bands 5250-5350 MHz and 5650-5850 MHz are priority users. These radars can cause interference or prevent the device from operating properly.



Antennas used for transmission from this transmitter must be installed in accordance with the instructions and they should be placed at a distance of at least 30 cm from all persons. The transmitter cannot work in conjunction with any other antenna or transmitter.

Important: Features and illustrations depicted are for your reference only. The product you bought may have changed slightly.

2. Basic information

"GlobalCAM-4.5G 2PoE" is a compact and secure industrial 4G / LTE router for professional applications in CCTV video monitoring. Provides high performance for cellular communication over a wide operating temperature range. Has two Ethernet ports with PoE, an external SIM card slot, power supply from 12V and 48V DC and LEDs informing about the signal strength. External SMA antenna connectors allow you to connect antennas and easily find the best signal location.

The latest router "GlobalCAM-4.5G 2PoE" ensures transparent and smooth wireless transmission between IP cameras and NVR recorders. It is designed for wireless connection of many IP cameras with a registration point via the 4G/LTE Internet network. GlobalCAM-4.5G is an industrial 4G / LTE router with Wi-Fi resistant to external weather conditions. The latest built-in Linux system together with a very fast Quectel processor guarantee a stable connection of video streams from anywhere with speeds up to 150Mb/s (downlink) and 50Mb/s (uplink).

2.1. Appearance

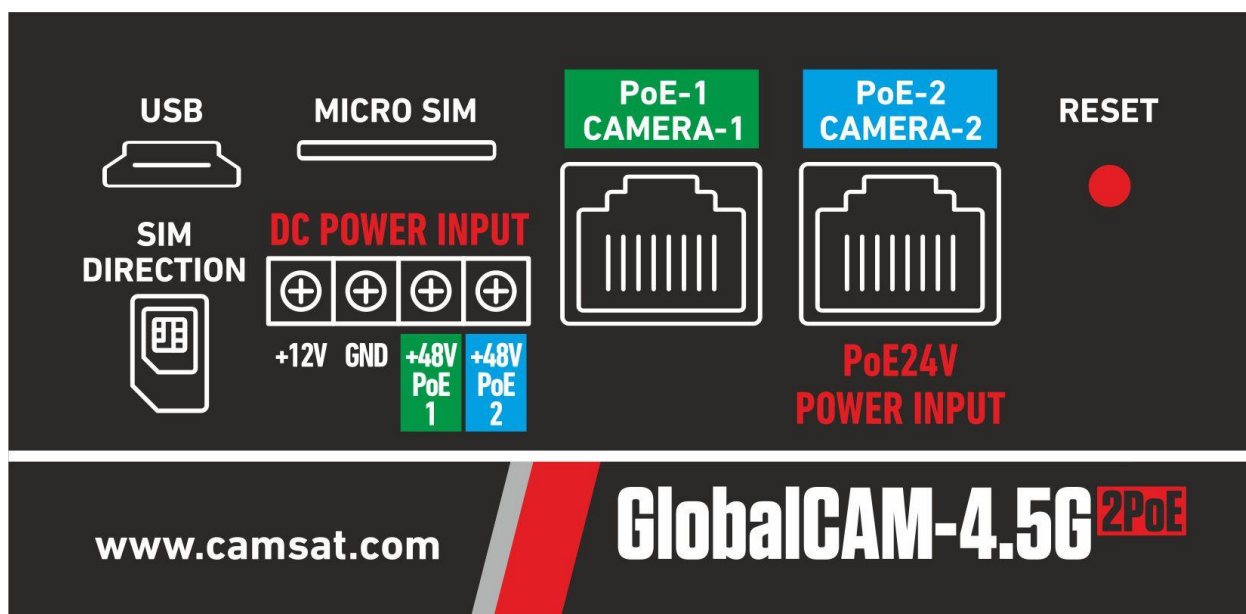


2.2. Content of the „GlobalCAM-4.5G 2PoE” set

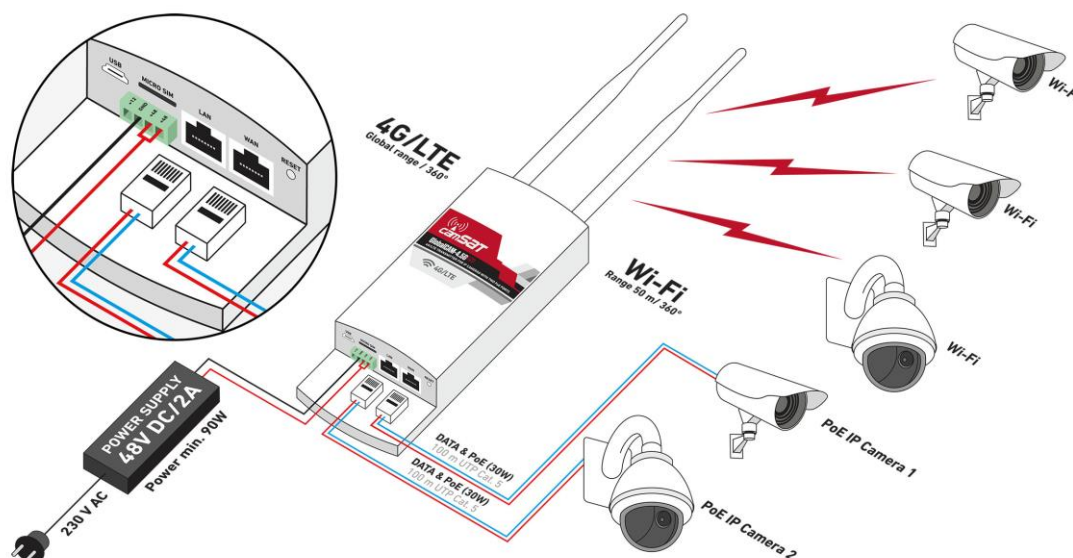
- Main LTE router unit x1 pc
- Omnidirectional LTE antenna x1 pc
- Omnidirectional Wi-Fi antenna x1 pc
- PoE24 power supply, in the standard of Passive PoE 24V via UTP, x1 pc (*Attention: to activate the PoE in ports, it is necessary to use the optional 48V DC power supply with a minimum power of 6W: 6W + power of all connected PoE cameras.*)

- RJ45 patchcord 40cm x1 pc
- DC power connector block (12V, 48V, GND) x1 pc
- Mounting accessories x1 set
- User's manuals and declaration of conformity

2.3. Sockets and connection example



Sockets.



Connection example..

2.4. Default IP address and password

GlobalCAM-4.5G^{2PoE}



Default IP: 192.168.1.1

Password: camSAT.com

Power: PoE 24V; 48V DC; 12V DC

PoE-OUT: Includes
(only with 48V power supply)

S/N:

**4G/LTE TRANSMITTER FOR IP
CAMERAS WITH TWO PoE PORTS**



www.camsat.com

ATTENTION: After the first start-up, it is necessary to change the device access password to a difficult password containing at least 12 characters, including special characters and numbers.

2.5. Powering the device

The device can be powered in several ways. Powering the device with 48V DC voltage activates two PoE ports through which the cameras will receive PoE power. In other supply voltages, PoE ports are inactive and work like a standard LAN port.

NOTE: 48V DC power adapter is not included.

Choose one of the possible variants of the power supply:

- **PoE24V** – powering the device by the PoE-2 port (PoE24 power supply is included in the set).
- **PoE48V** – powering the device by the PoE-2 port (PoE48 power supply is not included in the set).
- **12—24V DC** connected to the electric terminals no 2 and 1 (DC power supply is not included in the set).
- **48V DC** connected to the electric terminals no 2 and 3 and 2 and 4. Every LAN port can be activated separately by connecting the 48V DC power supply in the specific way.
(**ATTENTION:** The set does not contains 48V DC power supply. This power supply is optional and you may order it from CAMSAT. The power of 48V power supply depends on the power draw of the connected IP cameras. We recommend using 48V DC power supply with efficiency of minimum 2A, e.g. ZS-48/3).

2.6. Requirements

- microSIM card – active SIM card with 4G/LTE data packet will be necessary
 - You can insert a micro SIM card into the device. Inserting a smaller SIM card may damage the device.
 - In order to remotely access IP cameras or networks, a SIM card with the "external access" service and "static IP address" must be used.
- A computer with the LAN adapter set to the address family 192.168.1.x
- Firefox or Chrome web browser

2.7. Installation

The device is designed to be mounted outdoors, to a vertical pole or to a wall. Due to the fact that the router has omnidirectional antennas, it does not require pointing the antennas. The set includes clamps for mounting on the pole.

- For the best signal transmission, the device should be installed outdoors, on a roof, on a mast, or outside a window
 - The device should be mounted vertically with the antennas pointing upwards.
- Keep the device away from large metal surfaces that may shield or reflect the radio signal
- In order to prevent interferences, it is recommended to install other radio devices on the vicinity and keep a minimum distance of 50 cm from other radio devices, microwave ovens, fluorescent lamps, heavy-duty motors etc.
- Avoid installing during the storm. Then there is a risk of electric shock from the lightning.
- The device should be mounted vertically with the antennas pointing upwards.

Optional accessories can be used for installation:

A) MTS-1D



B) MT-2D



A) Wall mounting with left/right adjustment

B) Wall or pole mounting with left/right adjustment and $\pm 20^\circ$ up/down adjustment

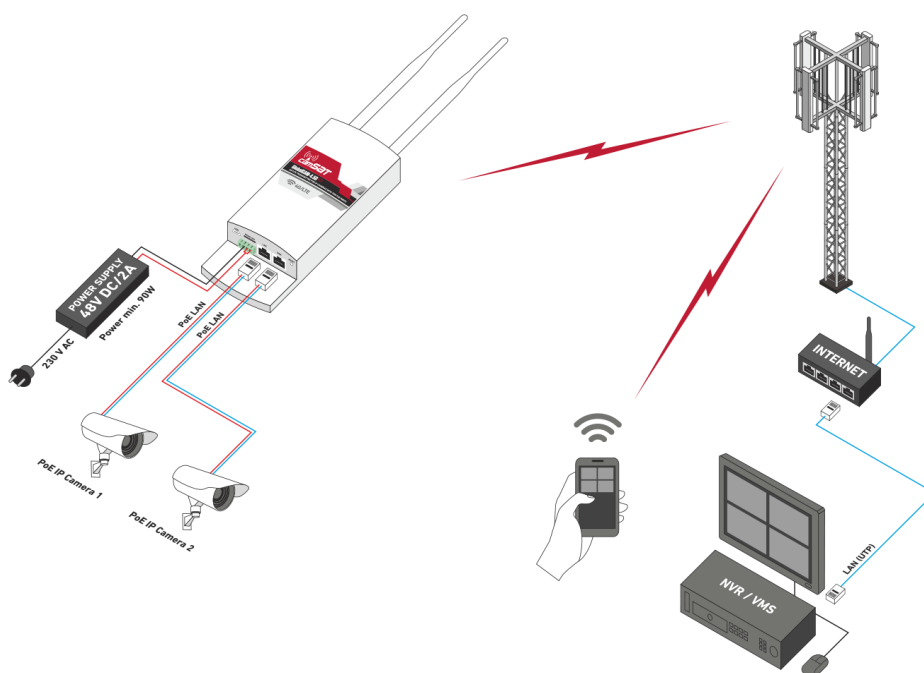
3. Examples of GlobalCAM-4.5G 2PoE connections in CCTV applications

a) Recording and viewing of two remote IP cameras via the Internet - powering the cameras directly from the transmitter via PoE

Connect the power source: 48V DC / 3A. Connect IP cameras that will be powered via PoE. All cameras should be redirected to separate ports and the video will be available.

Receive and register on remote NVR / VMS. More about redirects in the CONFIGURATION section and in ADDITIONS.

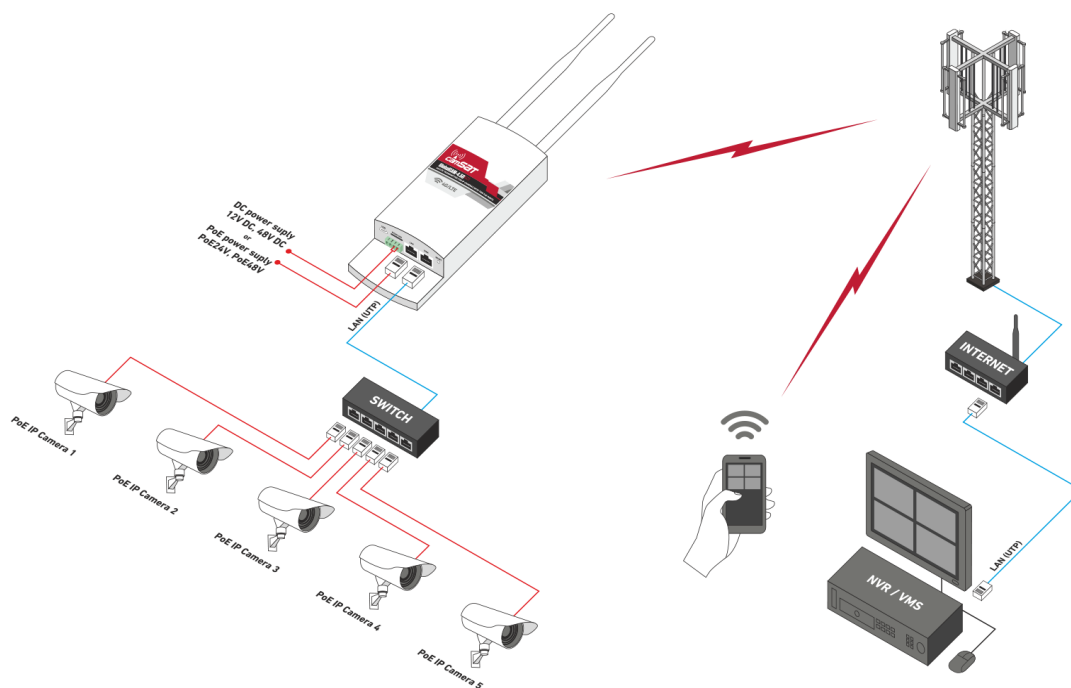
ATTENTION: The set includes a standard PoE24 power supply. To power cameras through PoE ports, you must obtain a DC 48V / 3A power supply and connect it to the DC terminals.



b) Registration and viewing of multiple remote IP cameras over the Internet

Connect one of the possible power sources: 12V-24V DC or PoE24 or standard passive PoE.

Connect the switch with a UTP cable to one of the LAN ports on the router. Redirect all cameras to separate ports and the image can be received and recorded on a remote NVR / VMS. More about redirects in the CONFIGURATION section and in ADDITIONS.

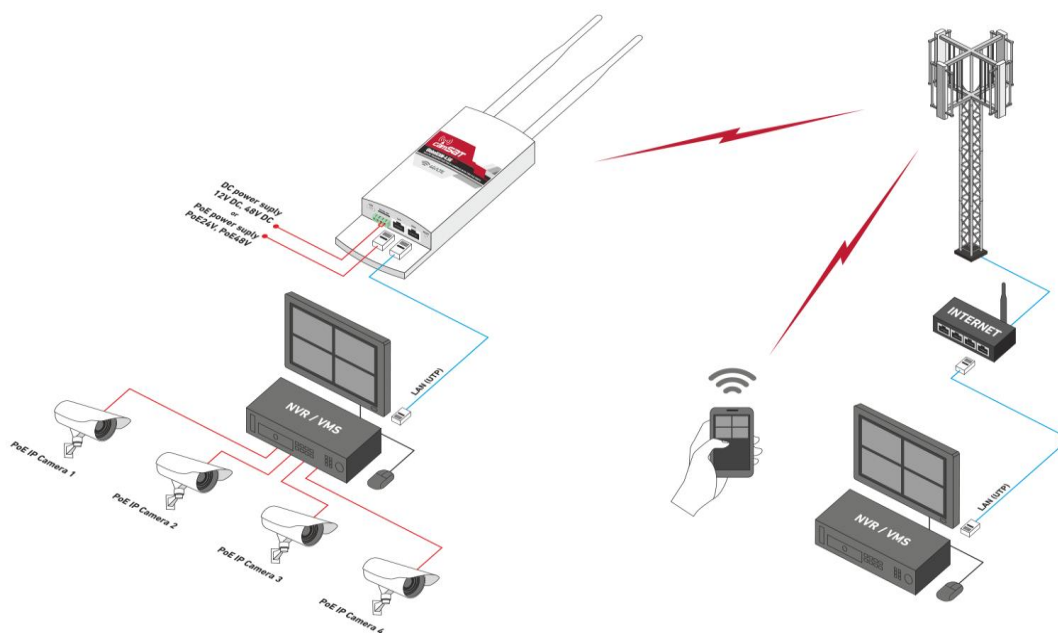


c) Connection of two recorders via the Internet with recording on both NVRs

There are two ways to remotely connect two NVRs:

- **Receiving and recording of every stream separately** – in case of transmission from multiple cameras, it needs high quality of LTE signal
 - **Recommendations:**
 - Use the main streams up to 4—5 streams, or use additional auxiliary streams with smaller bitrate.
 - H.265 compression is recommended, with speed of 800-1500kbps and with variable bitrate. Total bitrate should not exceed 5000kbps on single SIM card.
- **Receiving and recording of only one "ZERO" stream from the NVR**, that would contain all images from all cameras. Recommended if the LTE signal is weak or when only live view is necessary.

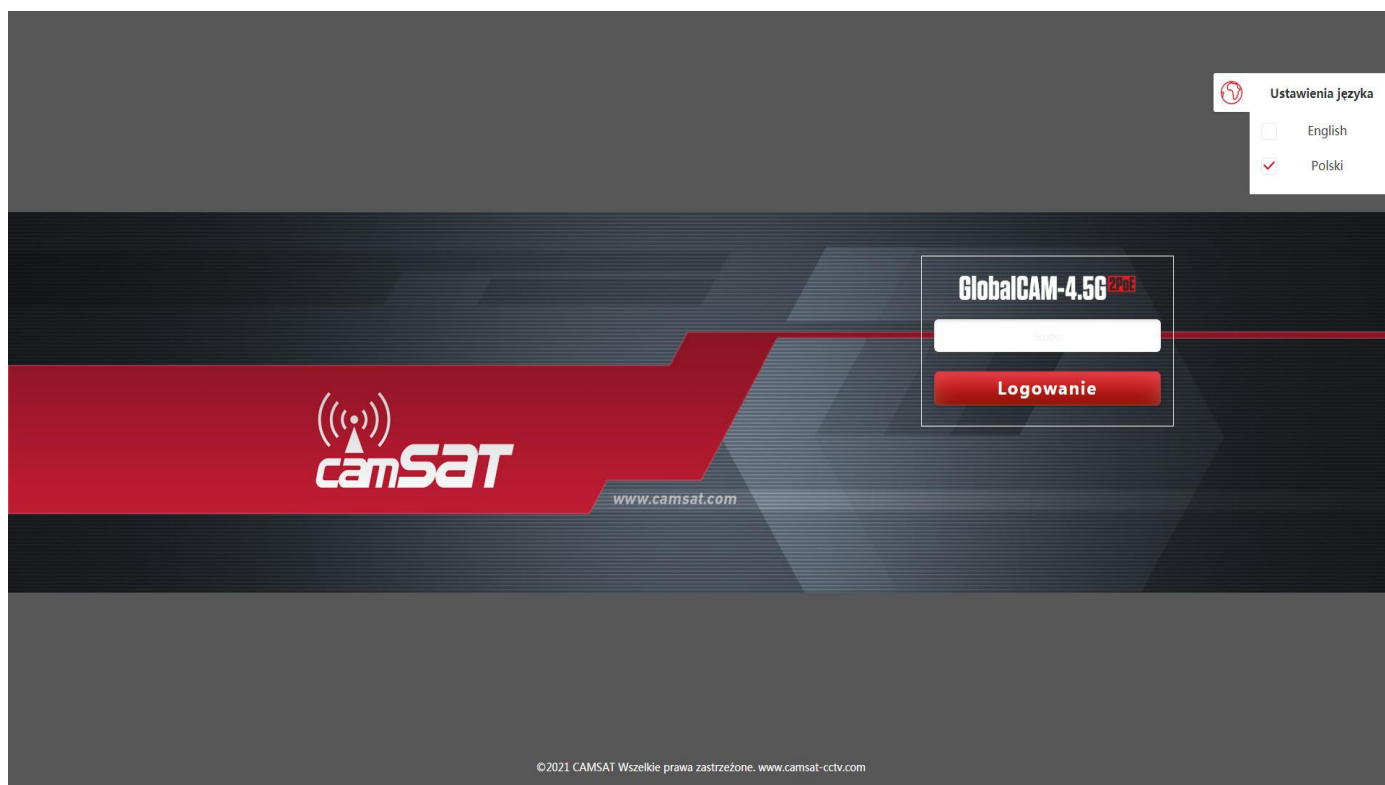
Connect the Remote NVR (right) to the Internet. In the remote NVR / VMS, instead of the cameras' IP address, enter the public IP address of the SIM card and the port number forwarding from each camera. The port number forwarded determines the stream selection. More about redirects in the CONFIGURATION section and in ADDITIONS.



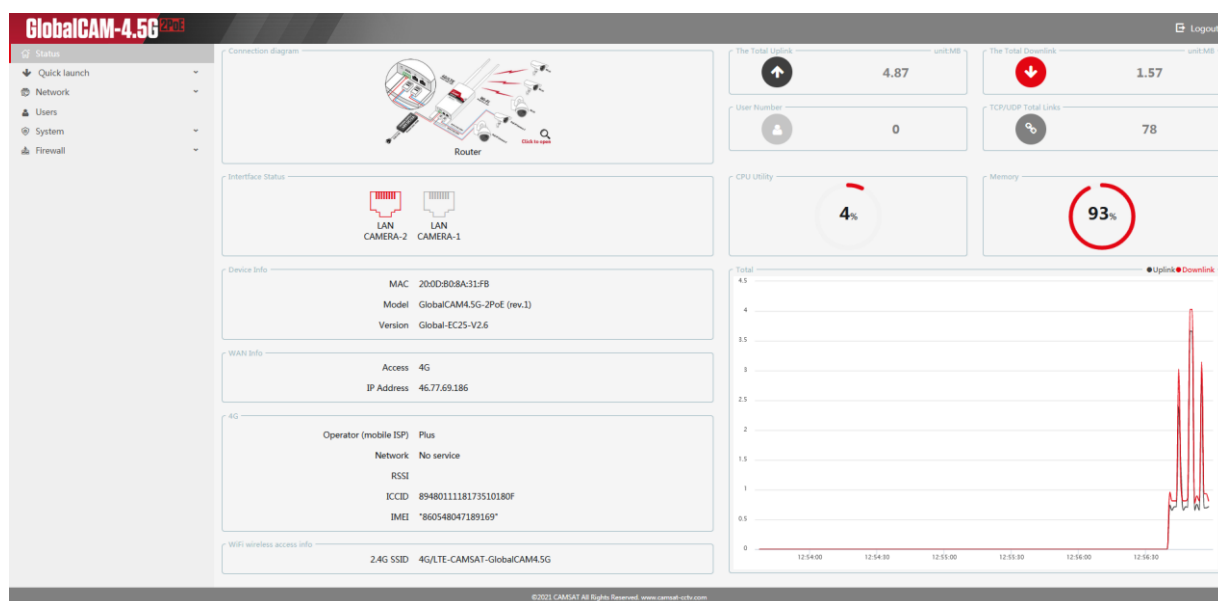
4. First start

Be sure to disconnect the power supply when mounting, installing and maintaining the device.
It is recommended to start the device on a table, configure it and then install it.

1. Connect the antennas to the appropriate sockets - the red 4G / LTE antenna to the female SMA antenna socket, and the blue colored Wi-Fi antenna to the RP-SMA male antenna socket.
2. Insert the SIM card into the slot as shown in the graphic showing the direction of the SIM card.
3. Connect the network cable (patchcord) to one of the LAN ports on the device.
4. Connect the other end to the PoE24 adapter in the port marked PoE. The PoE24 power supply is delivered with the device.
5. Connect the second network cable to the second socket in the PoE24 power supply and connect its end to your network card in the computer.
6. Connect the power adapter to 230V.
7. Launch a web browser, eg Firefox and enter the address 192.168.1.1. A login window will appear.
8. On the right, select your preferred language.



9. Enter the default password "camSAT.com", remembering to change it immediately to your own, difficult to break password.
10. After logging in, the tab with the device parameters will appear.



This tab contains the information about:

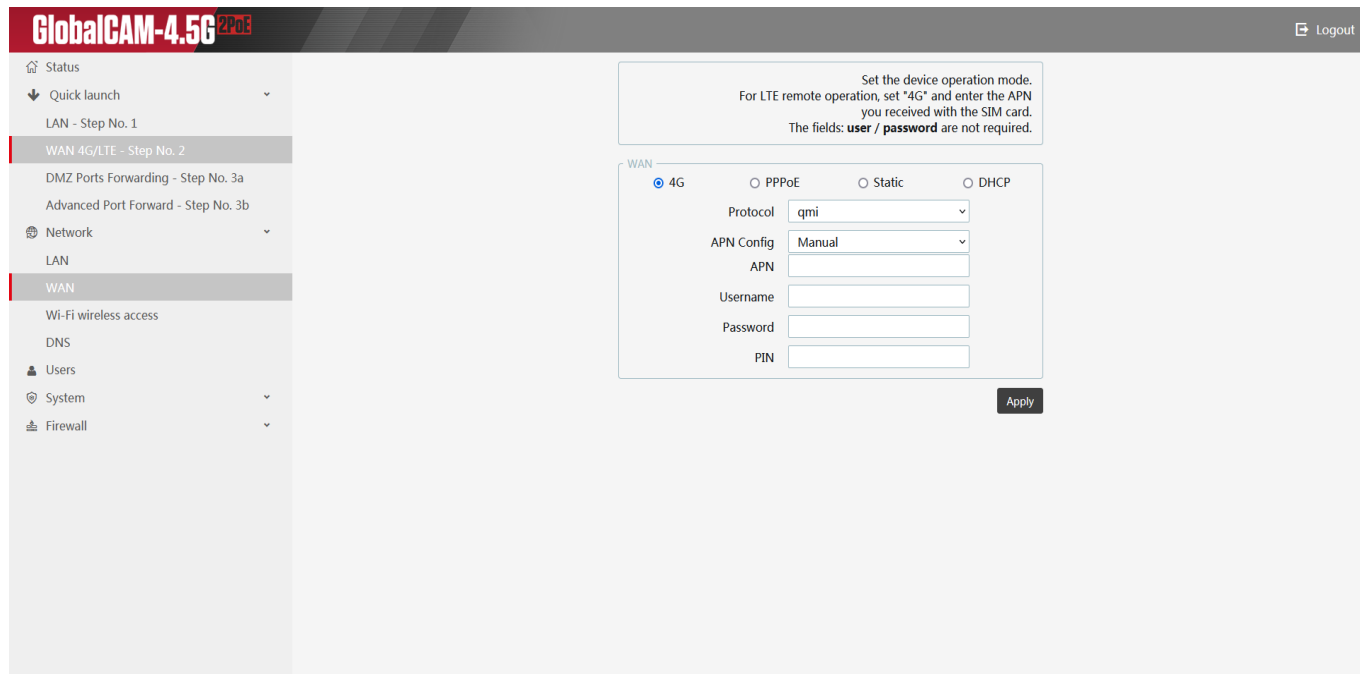
- activity of LAN ports – after connecting the LAN cable, the color of the infographics changes,
- software version and MAC address,
- 4G connection status, LTE signal strength, IMEI number.

5. Configuration

Step 1 – LAN configuration

- a. Set the router IP address in the **Quick launch/LAN-Step 1** tab.
- b. Enter an available IP address from the subnet of your cameras or NVR.
- c. ATTENTION: This IP address will be the DEFAULT GATEWAY for all cameras to be remotely accessed via the Internet.
- d. IMPORTANT: In IP cameras, enter the IP address of this radio device in the DEFAULT GATEWAY text field..
- e. Select the Subnet Mask eg 255.255.255.0
- f. DHCP – automatic assignment of an IP address to all connected devices. Useful when connecting to a router via Wi-Fi. Enabled by default.

Step 2 – configuration of WAN (4G/LTE)



- Select the 4G operation mode, APN configuration – manual
- APN – enter the APN you received from the SIM card provider. ATTENTION: Remember that SIM cards with a static IP address have a different APN than the standard ones.
- Filling the user / password fields is not required.

LTE signal strength. After entering the APN correctly, check the connection status and the LTE signal strength in the STATUS tab. The signal strength at a level above -65dbm is a very good LTE level that ensures correct transmission from many IP cameras.

External access check. If you insert a SIM card with a static IP address and enter the APN correctly, we will gain access to the router outside. To check the connection, enter the public IP address of the SIM card in the web browser. After a few seconds, we will see the GlobalCAM4.5G 2PoE login panel.



ATTENTION: In the "SYSTEM / REMOTE ACCESS" tab, it is possible to activate remote access to a router on any port.

ATTENTION: One 1080p / H.264 IP camera generates about 900GB of data per month.

ATTENTION: For a direct connection between the camera and recorder, the SIM card must have public access from the outside and a fixed IP or DDNS address is recommended.

Step 3 – port forwarding

There are two ways to redirect camera and NVR access.

- The first method is DMZ, i.e. forwarding all ports to one IP address. This method works if we have only one camera or one NVR connected to the router. If you want to have access to more cameras or other devices this method is not recommended.
- The second method is **advanced forwarding** of the individual ports. This way, we can decide which ports we forward, and we can change port numbering and forward multiple IP addresses (from many IP cameras).

Step 3A – DMZ ports forwarding

A very simple and fast method that redirects all ports to only one IP camera / one NVR.

NOTE: This method only works with one IP camera or one other device connected to the 4G / LTE router.

Select the " Enable all port forwarding (DMZ)" and enter the IP address of the camera / NVRA below, which will be connected to the 4G / LTE transmitter. Save the settings.

Example: Usually, the IP camera has a www port on port no. 80. By entering a public IP address in the web browser, the router will redirect us to port 80. In this way, we get to the IP camera panel.

Address examples: SIM_card_IP_address:80 ; 10.20.30.40:80

Step 3B – advanced ports forwarding

Port forwarding method for more cameras or where there are other IP devices available in the connected network. This method gives you more manageability and security for your LAN.

Some cameras require additional port forwarding for all functions to work properly, e.g.

- default ports in HIKVISION cameras: port HTTP 80; port HTTPS 443; port RTSP 554; app port Server 8000,
- default ports in DAHUA cameras: port HTTP 80; port HTTPS 443; port RTSP 554; port TCP 37777; port UDP 37778.



IMPORTANT: Corresponding port numbers are provided in each IP camera. Port numbers may vary depending on the manufacturer and model of the camera. For everyone's confidence options please redirect all ports from each IP camera.

HIKVISION DS-2CD2132-I English

Live View Playback Log **Configuration** admin | Logout

Local Configuration

- Local Configuration
- Basic Configuration
 - System
 - Network**
 - Video/Audio
 - Image
 - Security
- Advanced Configuration

TCP/IP Port

HTTP Port	80
RTSP Port	554
HTTPS Port	443
SDK Port	8000

Save

Alhwa TECHNOLOGY

Na żywo Odtwarzanie **Konfig.** Alarm Wyloguj się

Kamera

- Sieć
 - TCP/IP
 - Połączenie**
 - PPPoE
 - DDNS
 - Filtr IP
 - SMTP(e-mail)
 - UPnP
 - SNMP
 - Bonjour
 - Multicast

Połączenie ONVIF

Maks. licz. połączeń	20	(1~20)
Port TCP	37777	(1025~65534)
Port UDP	37778	(1025~65534)
Port HTTP	80	
Port RTSP	554	
Port HTTPS	443	

Domyślne Odśwież Zapisz

Below is an example of port forwarding for 3 IP cameras with the following IP addresses: 192.168.1.64; 192.168.1.108; 192.168.1.109

GlobalCAM-4.5G 2PoE Wyloguj

Status

Szybkie uruchamianie

LAN - Krok 1

WAN - Krok 2

Ustawienia DMZ - Krok 3a

Przekierowania - Krok 3b Dodaj

Pomoc Przykład 1 Przykład 2 Przykład 3 Przykład 4

Przekieruj wszystkie porty kamery IP / NVRa, które potrzebne są do komunikacji z zewnątrz. Numery portów znajdziesz w każdej kamerze IP / NVR.

Najczęściej kamery i NVR wymagają przekierowań portów:

- Port WWW - przeważnie port nr 80 - dostęp do www kamery
- Port RTSP - przeważnie port nr 554 - strumień RTSP z obrazem
- Port dla aplikacji komórkowych - server: przeważnie port nr 8000, 6000, 3777

Nr	Protokoły	Wewnętrzny adres IP	Z portu zewnętrznego (nr portu WAN)	Na port wewnętrzny (nr portu LAN)	Nazwa	Operacja
1	TCP UDP	192.168.1.64	81	80	Kamera-192.168.1.64 Panel WWW	☒ ☐
2	TCP UDP	192.168.1.64	554	554	Kamera-192.168.1.64 RTSP	☒ ☐
3	TCP UDP	192.168.1.64	8000	8000	Kamera-192.168.1.64 Hik-Connect	☒ ☐
4	TCP UDP	192.168.1.108	82	80	Kamera-192.168.1.108 Panel WWW	☒ ☐
5	TCP UDP	192.168.1.108	555	554	Kamera-192.168.1.108 RTSP	☒ ☐
6	TCP UDP	192.168.1.108	37777	37777	Kamera-192.168.1.108 server IDMS	☒ ☐
7	TCP UDP	192.168.1.109	83	80	Kamera-192.168.1.109 Panel WWW	☒ ☐
8	TCP UDP	192.168.1.109	556	554	Kamera-192.168.1.109 RTSP	☒ ☐
9	TCP UDP	192.168.1.109	37778	37777	Kamera-192.168.1.109 server IDMS	☒ ☐

1/1 Strona, Razem 9 Pozycja

Poprzednia 1 Następna

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ATTENTION: In each IP camera you need to enter the IP gateway. This address is the router's IP address. Without the IP gateway entered, there will be no remote access to the cameras.

6. Wi-Fi for connection to wireless cameras

GlobalCAM4.5G 2PoE has an AP (Access Point) function that will connect to multiple Wi-Fi wireless cameras. The range depends on the power of the antennas in the cameras and is about 50-100m. The Wi-Fi function also allows wireless service access or connection to other Wi-Fi routers.

It is possible to run up to 8 access points with different SSID names and independent access passwords. In the "PSK password" field, enter your own access password, consisting of at least 8 characters.

GlobalCAM-4.5G 2PoE
Logout

- Status
- Quick launch
- Network
 - LAN
 - WAN
 - Wi-Fi wireless access
- DNS
- Users
- System
- Firewall

2.4G Wireless

WiFi name (SSID)

4G/LTE-CAMSAT-GlobalCAM4.5G

PSK Password

Camsat.com

OFF

+

WiFi name (SSID)

4G-CAMSAT-SERVICE

PSK Password

%Desw@61

OFF

~

Advanced Settings

ON

Advanced Settings

Bandwidth

20MHz

Country

Europe

Channel

auto

Tx power

100%

Maximum associations number

256

Fragmentation Threshold

2346

Request to Send (RTS) Threshold

2347

Automatically rekey

OFF

WDS

ON

Isolate

OFF

WMM

ON

Shortgi

ON

Apply

7. Security and utilities

A number of security measures and diagnostic tools to assist in service work have been implemented in the router.

- **Strong passwords** – In order to protect against unauthorized access to the router, it is necessary to change the password from the default to the strong password containing: at least 8—12 characters, numbers, upper and lower case letters, and special characters.
- **Access filtering** – The FIREWALL tab contains a number of filters that restrict remote access to the router. IP address filter, MAC address filter, URL filter.
- **DDOS protection** – After correct configuration, it is recommended to disable external access services. This option can be found in the DDOS PROTECTION tab.
- **Cyclic device reset** – In the SYSTEM / AUTOMATIC REBOOT tab, it is possible to set an automatic restart of the entire device at specific times and days of the week.

8. Video recording in remote NVR recorders

To receive and save video on a remote DVR, you only need to configure two functions in the NVR:

- Connect the NVR to the Internet. For the Internet to work properly in the recorder itself, you should remember about the IP gateway and DNS settings.
- Add the IP cameras:

- In place of IP address enter the public IP address of the SIM card inserted in the GlobalCAM-4.5G
- In place of port enter the number of port that has been forwarded from this camera. The default port numbers are usually 8000 in Hikvision, 3777 in Dahua or you can use ONVIF or RTSP ports.
- Fill the user and password fields in the same way as in the camera.

9. Important information

- The SIM card inserted into GlobalCAM should have open access from the outside and static IP address. This function enables remote connection with cameras in the same way as via a cable. Otherwise, access to the cameras will be possible via P2P and Clouds, e.g. cloud servers of camera manufacturer.
- The CMD console in every Windows system helps to diagnose the correct operation of the SIM card. In the console, type *ping sim_card_ip_address* and press Enter, for example *ping 23.0.31.236*. Receiving the answers mean that router works correctly and is visible on the Internet.
- To diagnose the correctness of forwarding ports 80, it is enough to enter the address of the SIM card in any browser. A login window for one of the cameras or the router should appear.

10. Reset to default settings

In order to restore the factory settings, press the miniature button on the device's panel for at least 5 seconds. After this time, the device will reset and start up with factory settings.

11. Additions - examples of correct settings for redirects, cameras and recorders

An example of correctly set and redirected three Hikvision IP cameras with a remote NVR can be found in a separate supplement at www.camsat-cctv.com.

General warranty terms

The device is supplied with a standard warranty card. The manufacturer declines all other warranties. In no case the producer is liable for any damages (including, without limitation, consequential, special, or incidental damages, or damages for loss of profits, business interruption, loss of business information or other pecuniary loss) arising out of the use or inability to use this product, even if the manufacturer has been advised of the possibility of such damages. Camsat grants a 36 months warranty for the GlobalCAM-4.5G 2PoE.

1. If the device is not be operating properly, make sure, before returning the device for servicing, that everything was done according to the operational manual.
2. If the faulty device is returned or send in for repairs, a thorough written description of the signs of the device's faulty operation, including the operating environment and the manner in which they appear, should be enclosed.
3. The prerequisite for exercising the warranty rights is enclosing the proof of purchase, including the purchase date and description of damage, with the faulty device.
4. Warranty repairs cover only faults occurring due to reasons inherent to the sold device.
5. Warranty repairs will be carried out in the shortest possible amount of time not exceeding 14 days, counting from the moment of accepting the device for servicing. If parts need to be imported, the repair deadline may be extended. After the repairs have been carried out, the warranty period will be extended by the repair time.
6. The warrantor is not responsible for the loss of the device configuration settings resulting from the device repair or malfunction.
7. The warrantor may refuse to carry out warranty repairs or terminate the warranty if it is determined that the seals placed on the devices or components comprising it are damaged.
8. All repair services resulting from the warranty are performed only in Camsat service.

The warranty does not cover

1. Mechanical damage of devices and failures occurring due to fortuitous events, such as: fire, power grid overvoltage, electrical discharges, power supply, effects of chemical substances..
2. Damage occurring due to: improper handling of the device, using the device against its intended use or the operating manual, customer's negligence, improper use (temperature, humidity, flooding, dust, sanding up, improper power supply voltage).
3. Claims on account of the technical parameters, if they are consistent with those indicated by the manufacturer.
4. Marks created during usage and wear.

Device disposal



The mark presented to the left informs that this electrical or electronic device, after its use has ended, cannot be thrown together with household refuse. The device should be delivered to a specialised collection point. Detailed information about the closest collection point is available from local authorities.

The proper disposal of this device allows for preserving precious resources and avoiding the negative impact on health and environment, which may be endangered if the waste is handled improperly. Improper waste disposal is subject to penalties provided for in the appropriate regulations.

Declaration of conformity

**DEKLARACJA ZGODNOŚCI**
DECLARATION OF CONFORMITY

Niżej podpisany, reprezentujący firmę:
The undersigned representing the manufacturer:

CAMSAT Przemysław Gralak
ul. Ogrodowa 2a, 86-050 Solec Kujawski
Polska/Poland

niniejszym deklaruje z pełną odpowiedzialnością, że urządzenie:
herewith declares under our sole responsibility that the product:

Nazwa urządzenia: Nadajnik do kamer IP GlobalCAM4.5G-2PoE
Product name: GlobalCAM4.5G-2PoE transmitter for IP cameras

Typ: **GlobalCAM4.5G-2PoE**
Model:

Jest zgodny z wymaganiami dyrektyw:
It complies with:

RED:2014/53/UE (2014/53/EU)

oraz spełnia wymagania następujących norm
to which this declaration relates is in conformity with the following harmonized standards

1. Wymagania zdrowotne i bezpieczeństwa artykuł 3.1a

Health and Safety (article 3.1a)

EN 62479:2010

EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

2. Wymagania ochronne dotyczące kompatybilności elektromagnetycznej artykuł 3.1b

Electromagnetic compatibility (article 3.1b)

EN 301 489-1 V2.2.0 (2017-03)

EN 301 489-17 V3.2.0 (2017-03)

3. Wymagania dotyczące efektywnego wykorzystania zasobów częstotliwości artykuł 3.2

Efficient use of radio spectrum (article 3.2)

EN 300 328 V2.1.1 (2016-11)



Miejscowość i data:
Solec Kujawski 15.12.2020

Osoba odpowiedzialna:

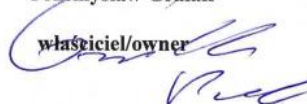
Name of responsible person

Stanowisko:

Position

Przemysław Gralak

właściciel/owner





Specjaliści od transmisji bezprzewodowych

Manufacturer:

CAMSAT

Ogrodowa 2a

86-050 Solec Kujawski

Poland

Offer and information: www.camsat-cctv.com

Service: serwis@camsat.com.pl

