

5. The necessary configuration settings - required:

- Log on to the radio module CDS-6IP/SMA (default: 192.168.1.1, **Username: CAMSAT, Password: CAMSAT**).
- Set the IP address of the radio module.
- Set the mode **Master** (Receiver-Recorder) or **Slave** (transmitter - camera).
- In the receiver (**Master**), set the operating channel number
- In the transmitter (Slave), press the **Scan Masters** to find name of radio link SSID of a receiver. Select the name of the link SSID and press **Connect**. Repeat this step for all transmitters (Slave) to be connected to the receiver (Master)
- correctly connected transmitters should be visible in the list of linked devices in tab **System Information / Wireless clients**
- In the transmitters, set the real distance between the transmitter and receiver. In the receiver, set the distance of the furthest transmitter.
- Check the connection between the transmitter, the receiver in the tab, cameras and DVR by PING.

6. The recommended configuration settings:

- Change the password to log on to the web panel (**ADVANCED SETTINGS / PASSWORD**)
- Enter the password encryption of radio transmission - a recommended coding WAP2-PSK (**CAMERA CONNECTION SETTINGS / WIRELESS**)
- Scan free channels - set the Receiver in operating mode **Slave**. Save and press Scan Masters to scan the busy channels.

With this information, you will learn which channels in a given area are free or at least occupied. In the absence of free operating channels it is allowed to use multiple radios on the same channel, then select the channel with the weakest signal (below <-65dB)

7. Test the radio link.



Warning

Do not use AUTO channel settings. Be sure to select the channel number on a permanent according to the current network bandwidth consumption.

The last step is to check the correctness of transmission between devices. To check the information regarding connected devices CDS-6IP/SMA such as signal strength, connection time, speed, IP address, etc. you must enter the **LINK INFORMATION**.

To view an updated list of current connections, click the Refresh button at the bottom or press F5. The appearance of the list of MAC addresses of transmitting units in the receiver indicates the correctness of the radio configuration. To be sure, disconnect the computer from the transmitter unit and connect the IP camera.

If the devices communicate with the receiver, this means that the radio connection is properly configured and running. In the browser address bar enter the IP address of the camera and check the quality of image transmission. You can assembly units at the facility.

These steps must be repeated for each individual transmitter / receiver subsequently connecting them to your computer.

**NOTE: Before first use, it is necessary to check the full user manual
Full user manual can be found at: www.camsat-cctv.com**



CDS-6IP^{SMA} QUICK START

ver. 1.1

Wireless video and audio transmission system for IP cameras HD and UHD in the band 5.1 - 5.8 GHz with internal antenna, and output to an external antenna.

1. Menu tree panel Website

LINK INFORMATION

- It contains basic information about the settings of the radio eg. the name of the radio link, signal strength and a list of connected radio transmitters.

CAMERA CONNECTION SETTINGS

- Wireless** - Contains settings of radio link such as transmission type (Master / Slave), the frequency of the operating channel, the name of the link SSID, signal strength, coding of transmission.
- Network Settings** - Contains settings of IP networks.

ADVANCED SETTINGS

- Time Zone Setting** - set the time, the NTP server
- System Log** - an overview of recent developments and changes in the device CDS-6IP/SMA
- Upgrade Firmware** - Software Update
- Backup/Restore** - save / restore configuration of system
- Password** - change the password

2. Factory settings

Feature	Default factory settings
Username	camsat
Password	camsat
Device name	CDS-6IP
Operating mode	Video Bridge
IP address	192.168.1.1
Subnet mask	255.255.255.0
Gate	0.0.0.0
Country/region	ETSI/EU
Channel number	Auto(DFS)

3. Connection of CDS-6IP/SMA radio module to power (three options).

WARNING
Connecting the CDS-6IP/SMA module without connecting an external antenna may result in damage to the device, which is not covered by the warranty. If you use the CDS-6IP/SMA module adjust the output power of the device, adjusting it to gain of used antenna. EIRP power must not exceed the permissible power, as described in the regulation of the country, in which you are. If you are not sure what settings to use, consult your supplier. Power adjustments can be made through the web panel.

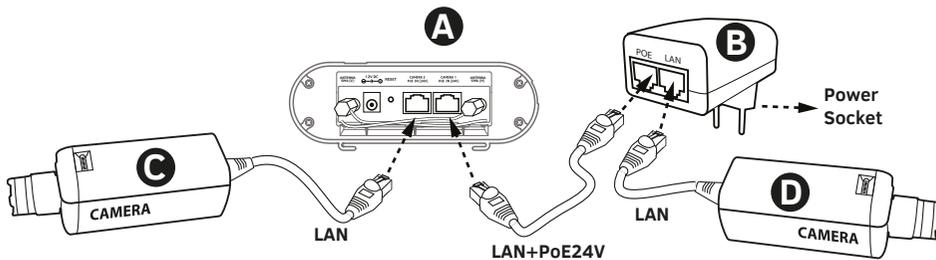
Connect the antenna cables gently to the antenna terminals on the unit and in the antenna. Close the protective cover precisely and remember to cut out the holes for additional cables.

NOTE: Askew screwing the antenna cables may permanently damage the SMA socket.

NOTE: Please pay special attention to the type (male / female) of SMA connectors used in the RF cable.

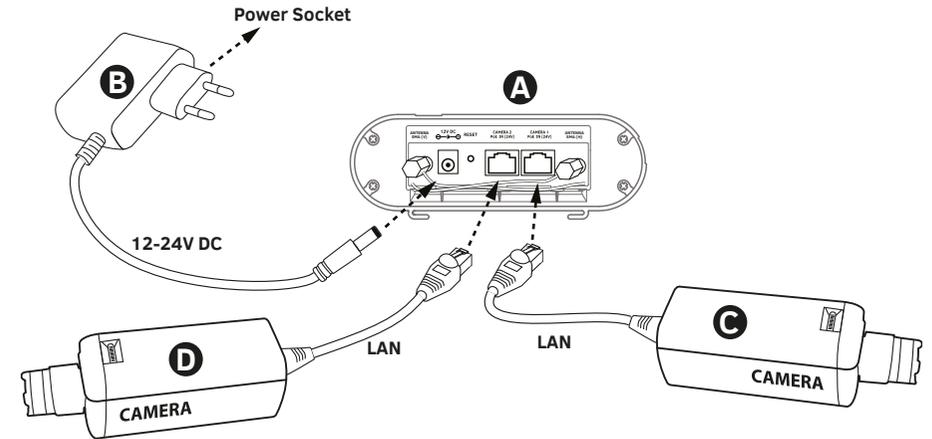
Option 1 - directly from the included AC adapter PoE24V.

Plug the power cord with RJ45 to **LAN** connector in CDS-6IP/SMA module (A) and the other end to the connector labeled **POE** in the supplied power adapter (B). Connect the computer IP camera or recorder to the **LAN** connector on the AC adapter by network cable.

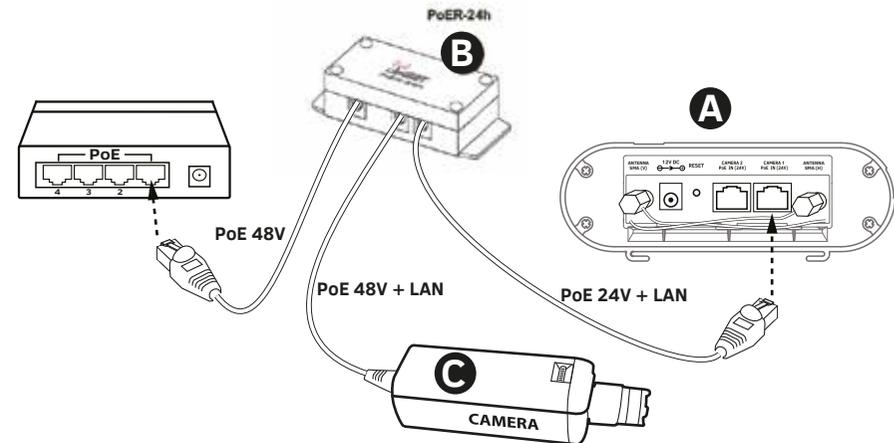


Option 2 - Power supply for the camera and CDS-6IP / SMA from a single source 12V.

CDS-6IP/SMA has an additional 12V DC power supply input (power socket 2.1 / 5.5 mm). Most IP cameras are also supplied with 12V DC by which the devices can be easily supplied from the buffer power supply 12V - 13.8V DC.



Option 3 - power supply for radio module and a camera with a PoE48V Switch by additional PoER-24 converter (optional with an additional module CAMSAT PoER-24, PoER-24h)



4. Connecting to a computer.

Connect the radio module to the computer LAN adapter with IP address set at 192.168.1.XX (eg. 192.168.1.99)