

7. The recommended configuration settings:

- Change the password to log on to the web panel WWW
(**ADVANCED SETTINGS/PASSWORD**)
- Enter the password of radio transmission encryption - a recommended coding WAP2-PSK (**CAMERA CONNECTION SETTINGS/WIRELESS**)
- Scan free channels – set the receiver at the 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 the least busy. In the absence of available operating channels it is allowed to use multiple radios on the same channel, then choose a channel of the weakest signal (below $<-65\text{dB}$)

8. Testing the radio link.

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The last step is to check the correctness of transmission between devices. To check the status of connected devices CDS-6IPMulti such as power signal, 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 list of MAC addresses of broadcasting units in the receiver indicates the correctness of the radio configuration. To be sure disconnect from the transmitting unit from computer and connect the IP camera. If the devices communicate with receiver it 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 now assembly units at the facility.

These steps must be repeated for each unit transmitting / receiving sequentially connecting them to a 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^{MULTI}POE

QUICK START

ver. 1.1

Wireless video and audio transmission system
for 4 IP PoE cameras in the band 5.1 - 5.8 GHz



1. Website panel menu tree

LINK INFORMATION

- It contains basic information about the settings of the radio module 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 eg. transmission type (Master / Slave), the frequency of the operating channel, the name of the SSID link, signal strength, transmission coding.
- Network Settings** – Contains settings of IP networks.

ADVANCED SETTINGS

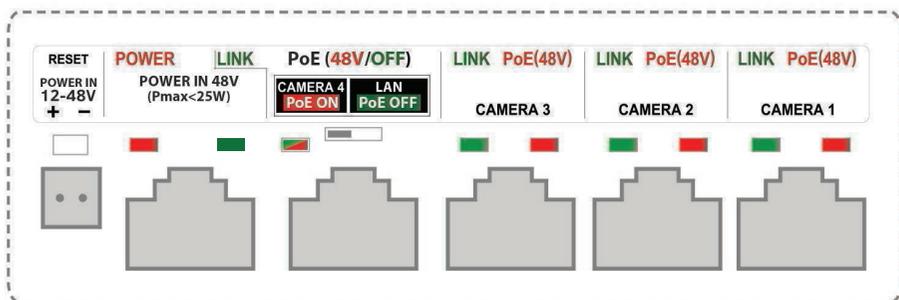
- Time Zone Setting** - set the time, the NTP server
- System Log** - an overview of recent actions and changes in the CDS-6IPMulti
- Upgrade Firmware** - Software Update
- Backup/Restore** - save / restore configuration of system
- Password** - changing the password

2. Default settings

Parameter	Default factory settings
Username	camsat
Password	camsat
Name of device	CDS-6IPeco
Working mode	Video Bridge
IP address	192.168.1.1
Subnet mask	255.255.255.0
Gateway	0.0.0.0
Country/Region	ETSI/EU
Channel number	Auto (DFS)

Warning
 Note: The device manufacturer is not responsible for the devices that are not properly protected and for related damage of the equipment and other network infrastructure

3. Description of the connectors and LEDs



DESCRIPTION OF CONNECTORS AND LED INDICATORS

POWER IN 12-48V - input DC or AC (the red **POWER** LED indicates the appearance of voltage on the connector)

POWER IN 48V - power supply input used only to power the device with another switch or PoE power supply (the red **POWER** LED indicates the appearance of voltage on the connector)

CAMERA 4/LAN – LAN port to power IP camera (PoE 48V) or device configuration. PoE voltage on output is controlled by above switch (the value of voltage is shown by red-green LED **PoE ON/PoE OFF**; blinking **LINK** diode shows data transfer status)

CAMERA 3 – LAN port to power the IP camera (**PoE 48V**) ((the red **POWER** LED indicates the appearance of voltage on the connector; blinking **LINK** diode shows data transfer status)

CAMERA 2 – LAN port to power the IP camera (**PoE 48V**) ((the red **POWER** LED indicates the appearance of voltage on the connector; blinking **LINK** diode shows data transfer status)

CAMERA 1 – LAN port to power the IP camera (**PoE 48V**) (the red **POWER** LED indicates the appearance of voltage on the connector; blinking **LINK** diode shows data transfer status)

4. Preparing for operation

CDS-6IPMulti device can be connected to the power supply in two ways

Option 1 - directly from the power supply 12-48V.

Option 2 - CDS-6IPMulti powered from adapter PoE48V.

5. Connecting to a computer

WARNING

Before connecting the computer to the CAMERA 4 / LAN switch off PoE voltage of 48V with the switch placed beside. 48V voltage can damage the non-compatible devices!

Connect the radio module to the LAN adapter with the computer set IP address of the family 192.168.1.XX. (Eg. 192.168.1.99)

6. Necessary configuration settings - required:

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

- Log on to the radio module CDS-6IPMulti (default: 192.168.1.1, Username: CAMSAT, Password: CAMSAT).
- Set the destination IP address of the radio module.
- Set the mode Master (Receiver-Recorder) or slave (transmitter - camera).
- In the receiver (Master) set the no of target operating channel. It is recommended to choose a specific number of free channel permanently. AUTO DFS function (automatic channel selection) starts by selecting the AUTO mode in the "Band" and the AUTO in "Channel" position.
- In the transmitter (Slave), press the Scan Masters to find names of radio link SSID of a given 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 tab in 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 and the receiver in the tab, cameras and DVR by PING.