TECHNICAL
SUPPORT
Mon–Fr 8.00 AM–4.00 PM
tel.+48 52 387 36 58

Starting at the destination point

The iConstruction-CAM system with the IP camera should be mounted only for permanent, stable construction of walls and masts. The holder should be mounted vertically, the handle/padlock must be at the bottom. Additionally, you should install steel safety cable to a separate anchors or any other part of the pole. Safety cable must be mounted to a solid, robust construction, which will guarantee the device with the camera will be held in case of an emergency. The power plug should be plugged into a socket adapted to the conditions of use, such as an external hermetic socket or a socket with a plug closed in another hermetic housing or box. The installer is responsible for correct camera installation in accordance with these instructions and safety standards!

WARNING
After mounting iConstruction-CAM, push ON switch inside, leaving it in position "1" and close the case to prevent the shutdown of the system by third parties.

Slide the camera (antenna up) into the holder, and then attach the safety cable and padlock to secure the camera or twist two caps on the bolts to prevent unauthorized assembly.
After turning the ignition to the "I" it should light up green LED on the internal panel for a while. iConstruction-CAM starts to record the image, and full remote access to the device will be possible.

Actions taken during each system start-up

The mobile camera in transport should be turned off.
During start-up of iConstruction-CAM system, follow these steps:

Action	Description
1. Installation of antennas	Make sure all antennas have been screwed into the connectors.
2. Charging the battery	Battery charging should take at least 12h for 0-100% charging.
3. Camera mounting	Place the camera on the mounting bracket.
4. Turning on the camera	The camera will be started after pushing ON/OFF switch inside case. Push switch into "I" state to turn on device. Push "O" to switch off.
5. Connection to the system	You can obtain remote access to the system using a internet or wired cable connection.
6. Diagnosing the device status	Make sure that the device is configured correctly. After logging into the system, check the connection to the camera, the status of the memory and the recording status by reviewing the last minutes of recordings. Make sure that the camera is properly directed and observes the area according to your requirements.

Producer:
CAMSAT Gralak Przemysław
Ogrodowa 2a
86-050 Solec Kujawski
Poland

camsat@camsat.com
+48 52 387 10 97
+48 52 387 36 58
+48 52 387 54 66

Technical support / Service:
serwis@camsat.com
+48 52 387 36 58
(ext. 25 and 26)

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SUPPORT
Mon–Fr 8.00 AM–4.00 PM
tel.+48 52 387 36 58

Sales:
camsat@camsat.com
+48 52 387 10 97
(ext. 21 and 22)
Mon.-Fri. from 8.00 to 16.00

European websites:
www.camsat.com
www.camsat-cctv.com

iConstruction-CAM

QUICK START

ver. 1.1

Mobile monitoring system with LTE module and buffer battery supply powered from 230V compatible with any IP camera

Basic information

The iConstruction-CAM device is a mobile observation system designed for monitoring of construction sites, in places that are particularly difficult to secure due to unfavorable conditions.
It enables very fast installation of the device on the site without complicated installations and projects. In case of a power failure, the power supply is ensured by a gel battery that allows the device to operate for a minimum of one hour with a rotating camera(up to 30W) or two hours with an tubular or dome camera (up to 12W). The integrated LTE wireless module with two SIM card sockets allows you to view the image from the camera from any place in the world and provides connection with the recorder in your office or server room.

Package content

- iConstruction-CAM
- LTE Antenna x2pcs
- Gel battery
- Quick-connector mounting socket + mounting accessories
- Steel safety cable
- Quick Start User Manual and CE Declaration

Full instructions available on www.camsat-cctv.com

The default settings

LTE module	
Local IP address	192.168.1.1
Subnet mask	255.255.255.0 (CIDR /24)
HTTP port (external)	80 (83)
User name	admin
Password	camsat
APN	m2m.plusgsm.pl

IP camera (in option)	
Standard	Onvif
IP address	192.168.1.108
ONVIF and HTTP port	80
RTSP port	554
User name	admin
Password	admin123

WARNING
Prior to starting up the system, you must obtain a special SIM card that has a public IP address and enables port forwarding. To make this possible you should take out appropriate additional service in contract plans. In order to activate these services, contact your telecommunications service provider.

Installing the SIM card

Remove the cover with the camera by unscrewing the 4 allen screws. This will allow access to the card slot SIM1 and SIM2. After placing the SIM card, attach cover back and tighten the screws.

First start-up

WARNING
Before any start-up, connect both antennas! Trying to run the machine without connected antennas may cause damage to the radio module.

Connecting the power supply and computer

Connect iConstruction-CAM plug into the power socket before first use.
Remove cover from LAN port, and connect this device with Ethernet cable directly to your computer or through network switch. Configure network card of your computer and add IP address in 192.168.1.x network subnet. You are now able to turn on the device with internal switch.

LTE module configuration

Start the iConstruction-CAM system by turning the internal switch. Go to LTE module IP addres in browser on your computer (default 192.168.1.1) and then log in by typing login and password:
Login: **admin**
Password: **camsat**

Change the user's password in the **System >> Administration** menu.
Choose a strong login password to protect against unauthorized access.
CAMSAT is not responsible for hacking unsecured devices and networks.

Complete the basic configuration of the LTE module. In the **Network >> Mobile** menu, complete the fields for the APN access point name and SIM card PIN number, and then save changes.

WARNING
Using an incorrect APN access point name will make IP address private, istead of public static IP address we want to use. Internet access still exists, but with an undesired IP address.
Check APN name with telecommunications service provider.

Public IP address is displayed in the menu **Status > Network > WAN**.
After correct configuration, it will be possible to access the device from the public IP address of the SIM card. Example of the default configuration and IP address 100.100.100.100:
IP camera: http://100.100.100.100:80/
LTE module: http://100.100.100.100:83/

IP Camera configuration

Access your camera at local (default 192.168.1.108) or remote IP address and login using:
Login: **admin**
Password: **admin123**

WARNING
If you use on internet browser you will need to install camera plugin for watching live preview online and for playback. You will see pop-up that after confirming will download and install plugin before first login.

Now you are able to preview live and playback video image. If you need to rotate or zoom in, use PTZ setting at configuration page.

The configuration of mobile applications to control the camera

You can access the recorder via mobile devices. Applications are available for download from the platform Google Play or Apple App Store. To connect to a mobile camera system, you must have access to internet The connection can be established by using camera manufacturer applications or third party software. Example applications: gDMSS (for Dahua IPC); Hik-Connect (for Hikvision IPC).

Full instructions available on www.camsat-cctv.com