



TechNote: MOBOTIX Indoor Ceiling Camera C71 and CyberGate

Version: 1.0.1 ENG
Date: 01-11-2024



**Configure MOBOTIX Indoor Ceiling
Camera for CyberGate**

CyberGate

Microsoft Teams is the hub for team collaboration in Microsoft Office 365 that integrates people, content, conversations and tools your team needs. Via the CyberGate application that runs in Microsoft Azure you can now connect a MOBOTIX C71 camera to your Microsoft Teams environment. The MOBOTIX can set up call to Microsoft Teams users and answer incoming calls from Teams – with 2-way audio – on the Teams desktop client, Teams desk phone or Teams Smartphone app.

CyberGate is a subscription based Software-as-a-Service (SaaS) hosted in Azure. With CyberGate there is:

*no need to setup a hosting environment,
no need to download or install any software from CyberTwice or a 3rd party,
no need to install additional Virtual Machines,
no need for a Session Border Controller (SBC) or extra licenses for your existing SBC
no need for to get additional PSTN like phone numbers for your SIP intercoms.*

! Note: For instructions on how to purchase and configure the CyberGate service, see our Tech Note: 'Connect a SIP Intercom to MS Teams using the CyberGate service'. (<https://support.cybertwice.com/knowledgebase.php?article=6>) !

MOBOTIX Indoor Ceiling Camera

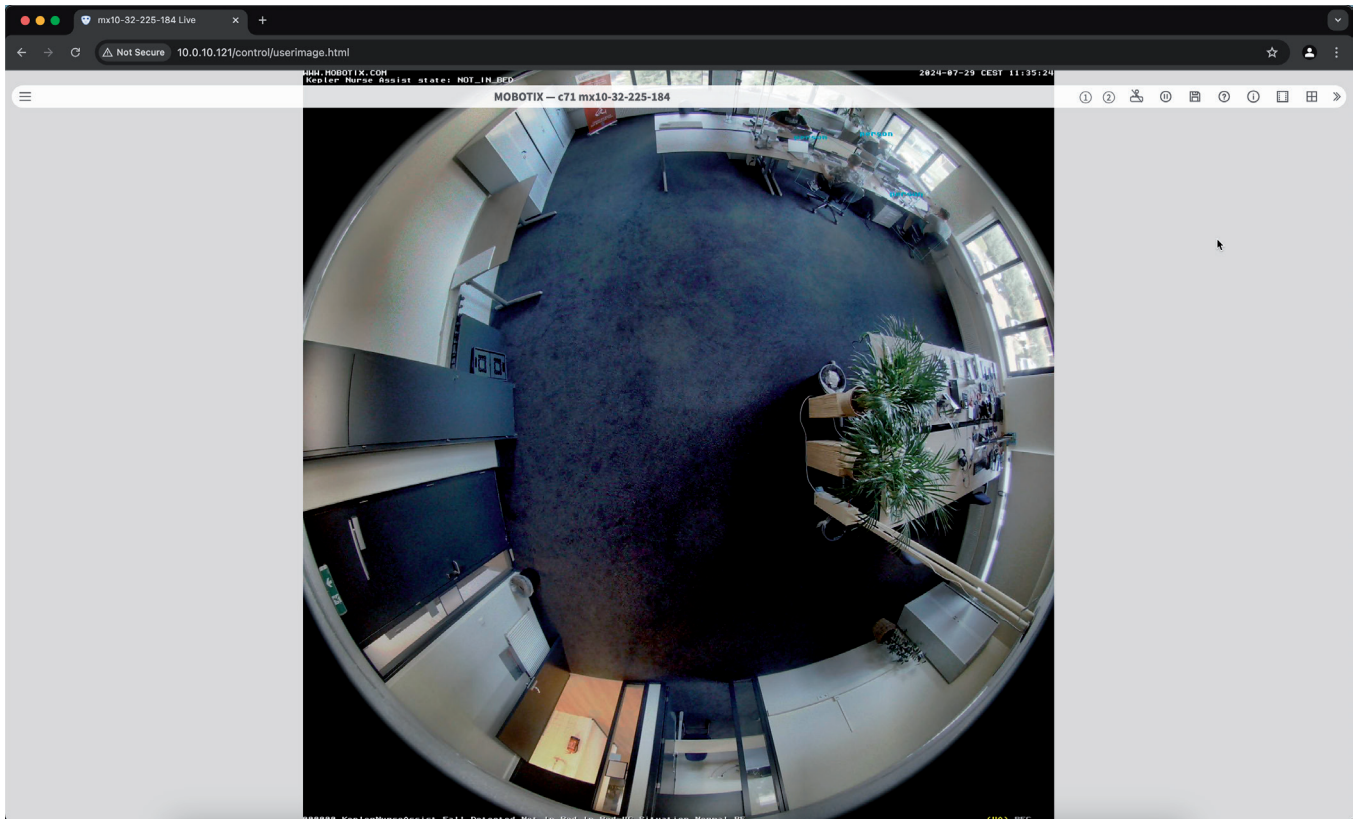
For this document a MOBOTIX C71 Indoor Ceiling Camera (from now on named 'MOBOTIX') is used to connect to the CyberGate service (from now on named 'CyberGate').

The MOBOTIX cameras can setup SIP calls when certain events occur. This manual describes the most basic configuration of the MOBOTIX for use with CyberGate. The registration and call destination are described, the creation of events that are used to call the configured Teams user are not described as this varies per usecase. For more information regarding MOBOTIX events, please see the MOBOTIX manual.

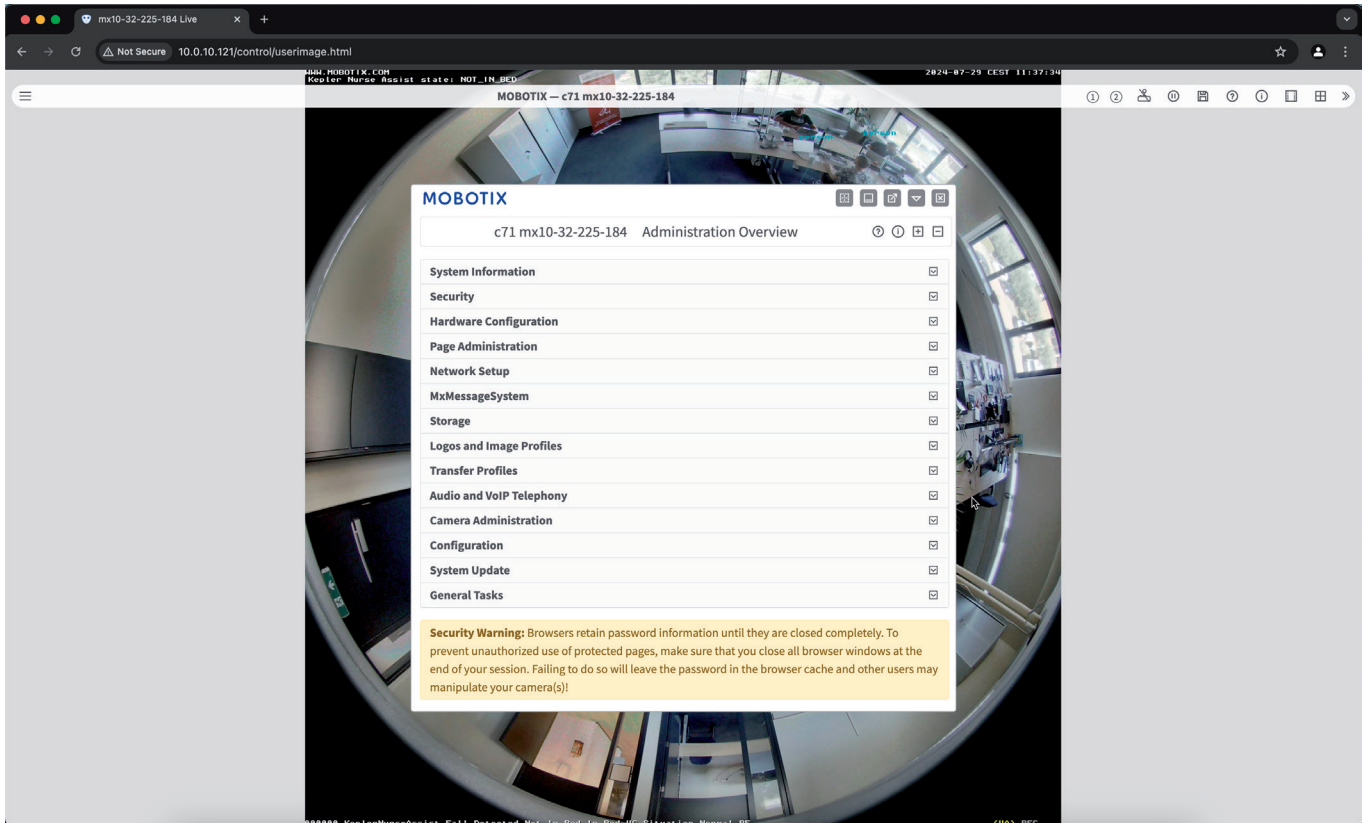
Follow the next steps to configure the MOBOTIX to connect it to CyberGate.

Connect the MOBOTIX

Connect the MOBOTIX to the network, power it on and open a webbrowser to its IP-address.



Navigate to the Admin menu and log in with the configured password of the MOBOTIX.

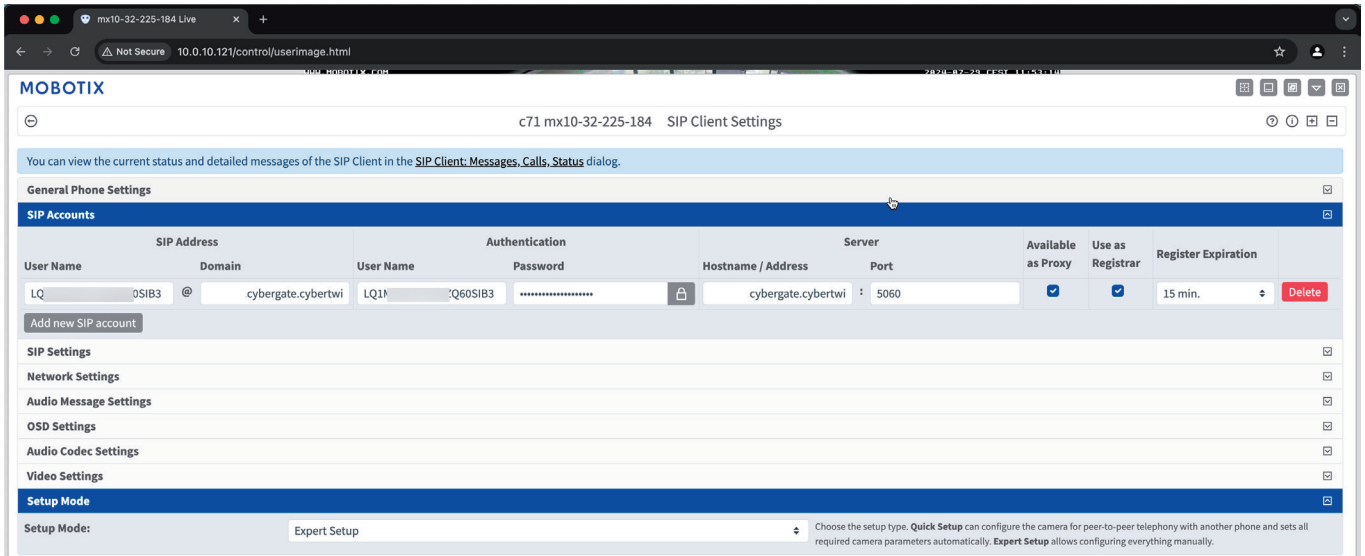


Navigate to the Audio and VoIP Telephony - SIP Client Settings. Change / provide the following information:

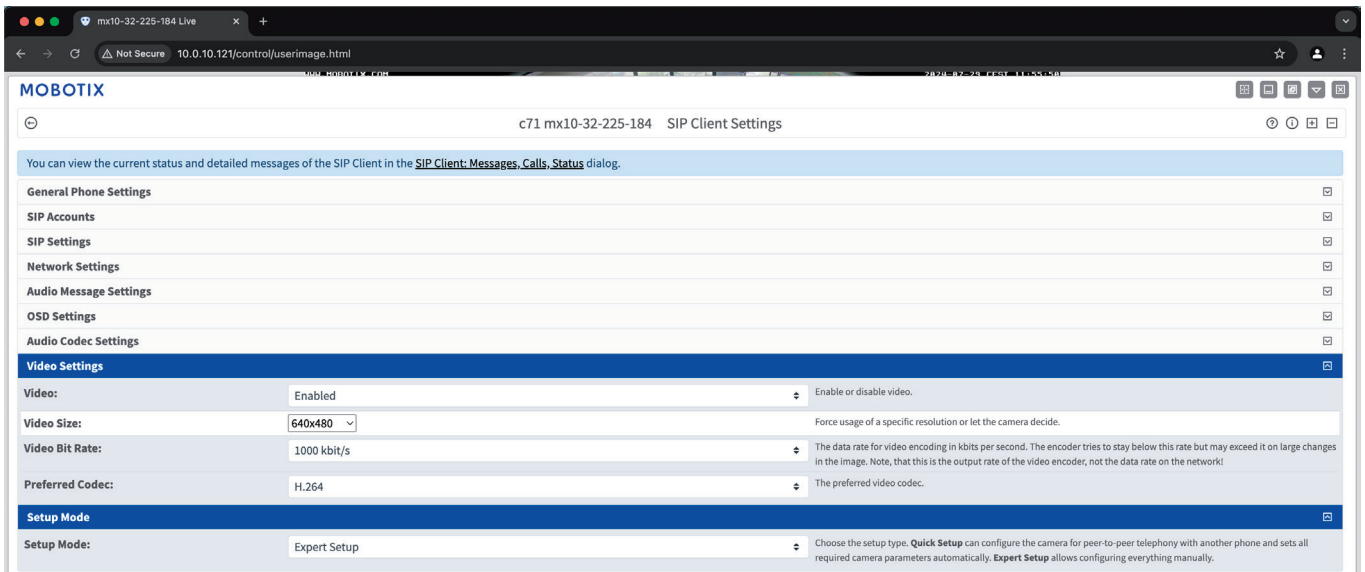
Setup Mode	
Setup Mode	Change to Expert Setup

Click on the 'Set' button to enable extra setup features.

General Phone Settings	
SIP Client	Enable the SIP Client
SIP Accounts -> Add new SIP account	
SIP address - User Name	Use the Username provided by the CyberGate Management Portal
Domain	cybergate.cybertwice.com
Authentication - User Name	Use the Username provided by the CyberGate Management Portal
Password	Use the Password provided by the CyberGate Management Portal
Server - Hostname / Address	cybergate.cybertwice.com
Server - Port	5060
Available as Proxy	Enable
Use as Register	Enable



Video Settings	
Video	Enable Video
Video Size	640x480
Video Bit Rate	1000 kbit/s



Click on the 'Set' button to apply the settings and the 'Close' button to save the configuration.

In the Admin menu, navigate to Audio and VoIP Telephony - Outgoing Calls Settings. Create a Profile.

Change / provide the following information:

Profile	
SIP Address	Use the Teams user address with the domain: cybergate.cybertwice.com *
SIP Proxy	Select the just created SIP Proxy
Connection type	Change to SIP Video
After the message has been sent	Change to Intercom

* For example, the user 'Koos Ridder, with the Teams name:

koos.ridder@mycompany.com

will translate to this destination address:

koos.ridder@cybergate.cybertwice.com

The screenshot shows the Mobotix Admin interface for configuring outgoing call settings. The page title is 'c71 mx10-32-225-184 Outgoing Calls Settings'. The 'Test Profile' section shows a profile named 'call_frits' with a 'Test' button and a note: 'Note: Set the changes to a profile before you test it.' Below this, the 'Profile' section for 'call_frits' is shown with a 'Delete' button. The configuration fields are:

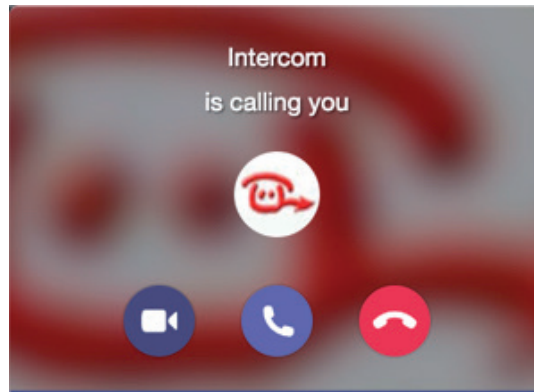
- SIP Address:** frits@cybergate.cybertwice.c
- Dial Attempts:** 1
- Dial Timeout:** 20
- SIP Proxy:** None
- Connection type:** SIP Video
- Message name:** None
- Confirm call with PIN code:** (locked)
- After the message has been sent:** Intercom
- Camera Remote Control:** Off
- Hangup after:** Never

At the bottom, there is an 'Add new profile' button and an 'Explanation' section: 'Explanation: Every profile can store several phone numbers or SIP addresses which will be tried in turns until the call is answered. Dial Timeout controls the timeout for each call and Dial Attempts limits the number of calls for each phone number or SIP address.'

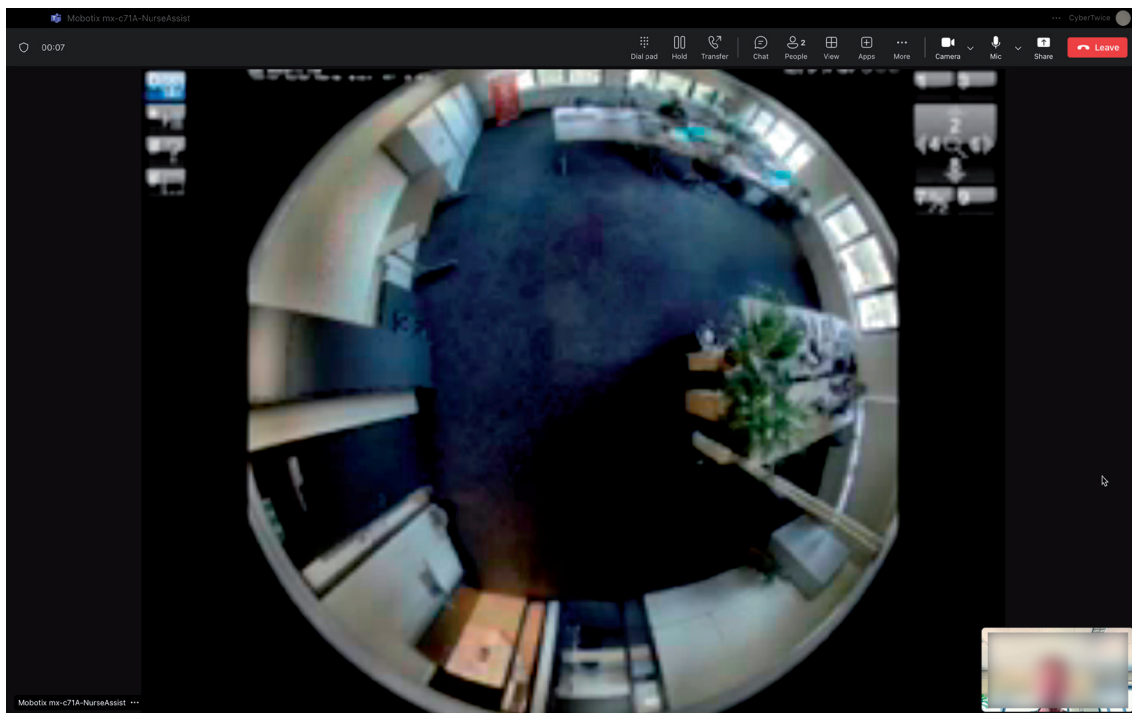
The configuration of the Mobotix is done.

! Important: Don't forget to Store the configuration of the Mobotix to Flash (in the main menu, at 'Configuration'). Otherwise the Mobotix might not function as expected. !

Test the just created call destination by clicking on the Test button. This will initiate a call to the number that is configured in the Outgoing Call Settings menu.



The call will be established and video will be displayed within ± 3 seconds.



To control the MOBOTIX camera, click on 'Dial pad'.

If the testcall was succesful, click on the 'Set' button to apply the settings and the 'Close' button to save the configuration.

Configuratiuon of the MOBOTIX for use with CyberGate is now finished. To start configuring Events that will call the Teams user, navigate to the Setup menu and see the section Event Control to create Events and Actions.

Document History

Document Version	Date	Author	Change
1.0.0	29-07-24	KR	Initial version
1.0.1	01-11-24	KR	Updated layout