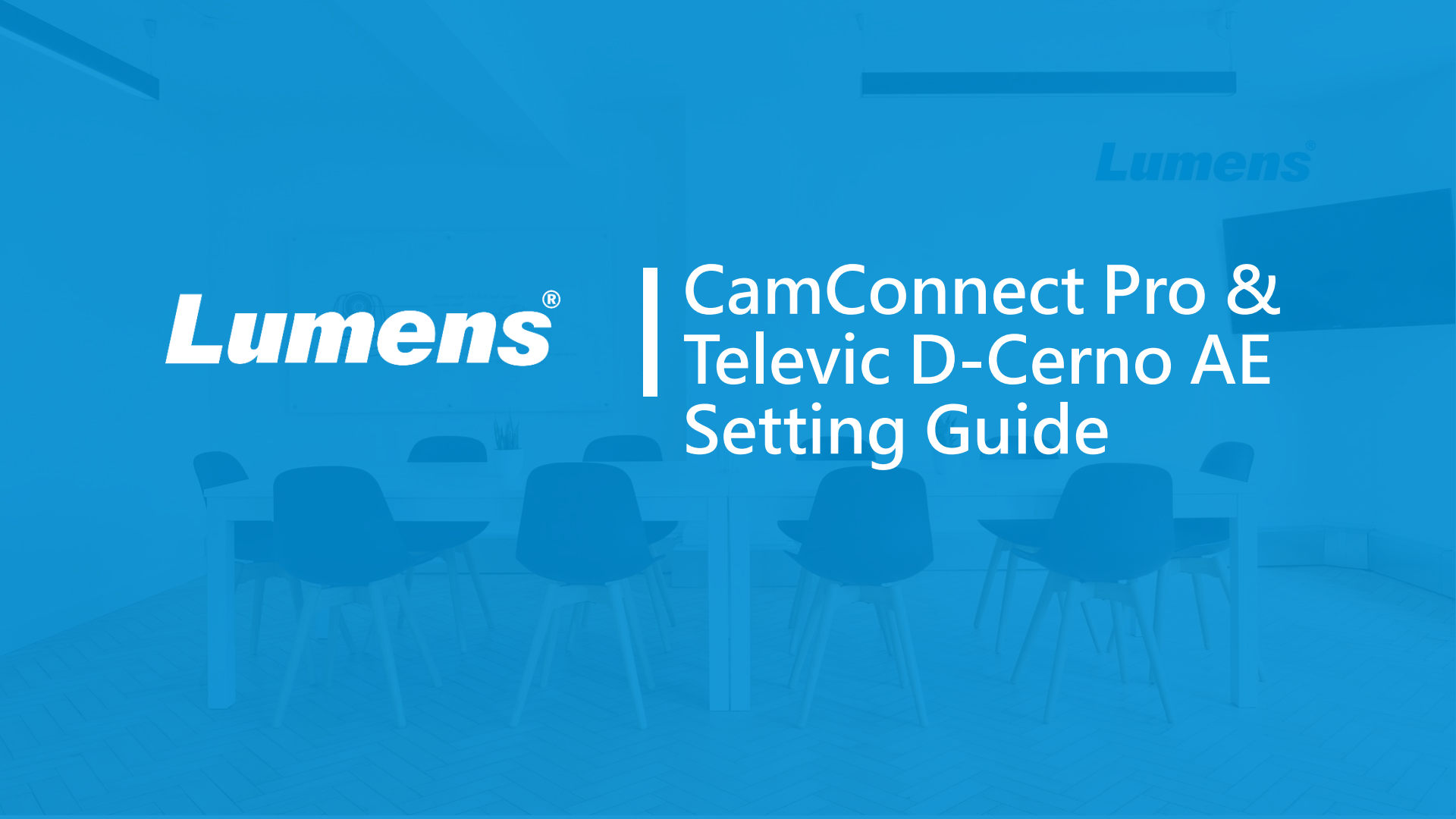




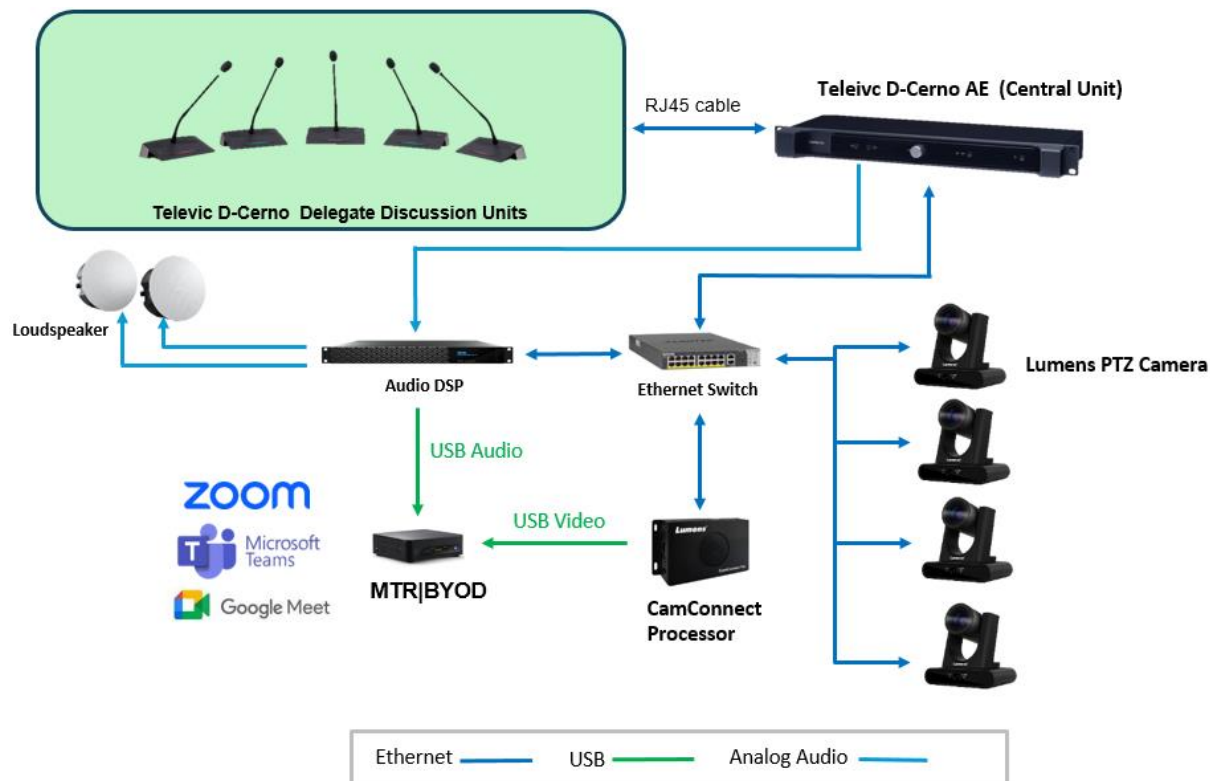
***Lumens***<sup>®</sup>

# | CamConnect Pro & Televic D-Cerno AE Setting Guide

# Overview

1. System Diagram
2. Discovering D-Cerno AE's IP
3. D-Cerno AE as Technician and mode selection
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8. Upload certification and key to complete setting
9. D-Cerno AE connection with CamConnect Pro
10. CamConnect Pro and D-Cerno AE- Camera mapping
11. Others

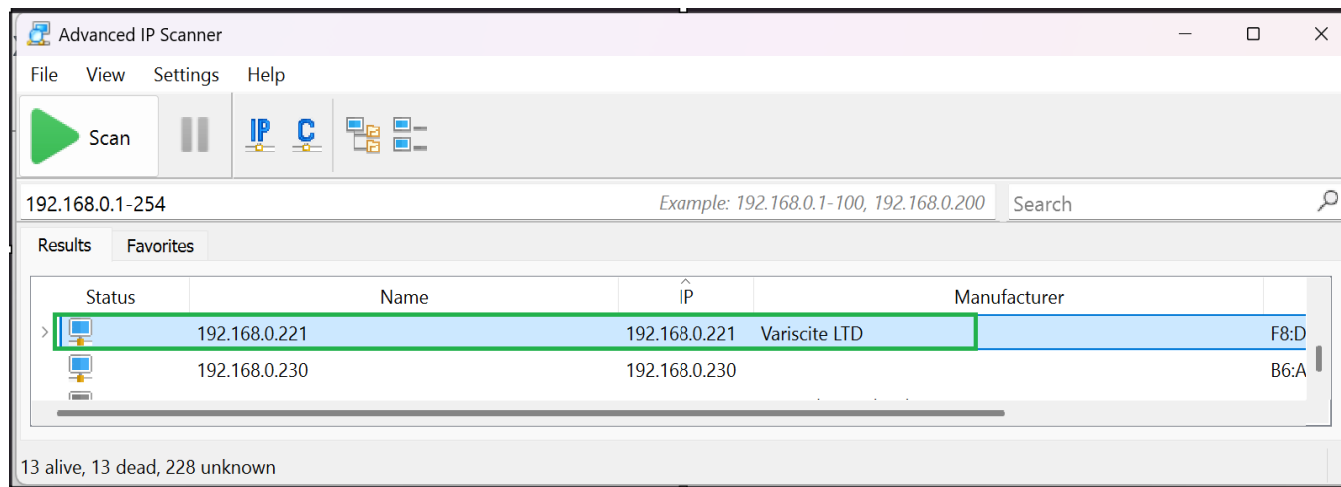
# 1. System Diagram



## 2. Discovering D-Cerno AE's IP

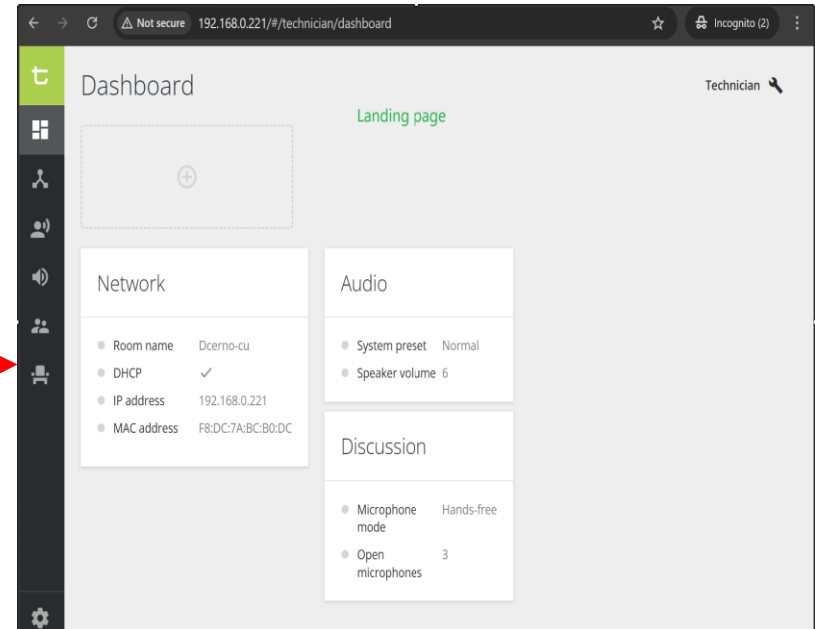
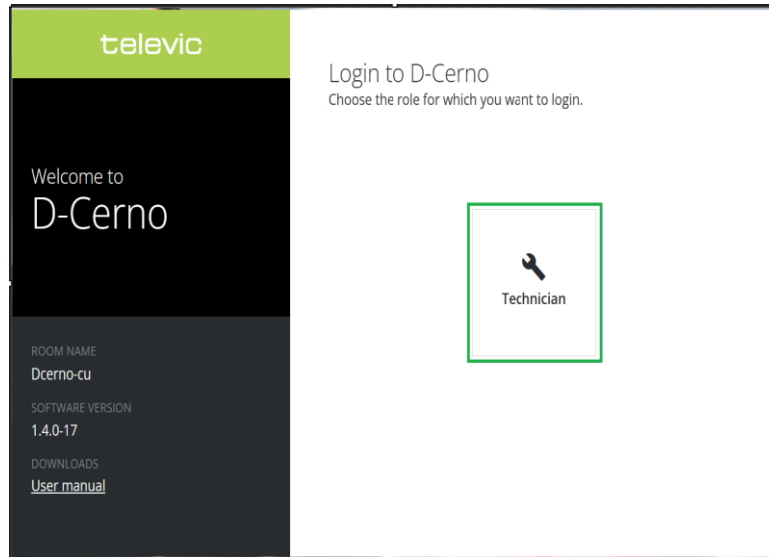
- The Manufacturer's name of D-Cerno AE will be shown as **Variscite LTD**.
- Use any tool to scan for this device's IP in your Network.

Ex. Advanced IP Scanner resolves. (D-Cerno AE's IP = 192.168.0.221)



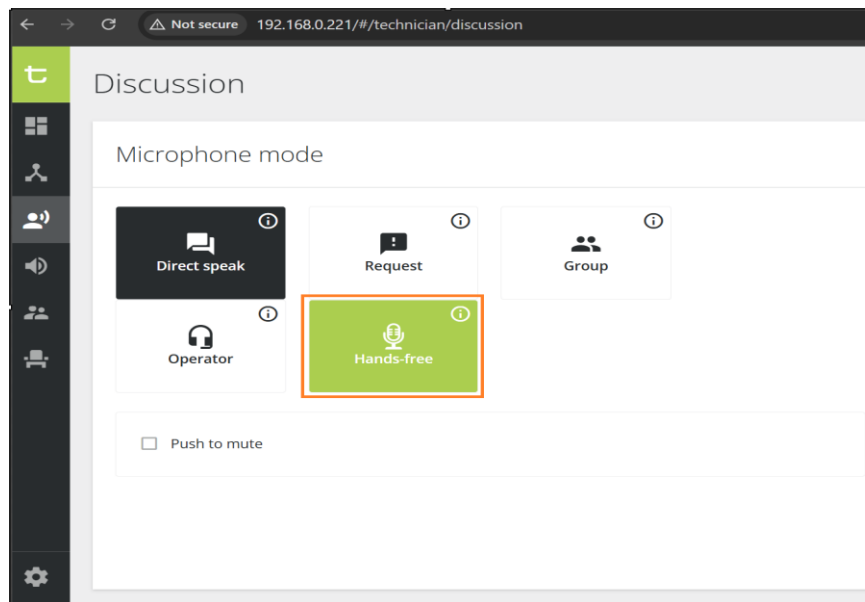
### 3. D-Cerno AE as Technician and mode selection

- Enter D-Cerno AE's IP address in a web browser.
- Access its configuration as Technician;



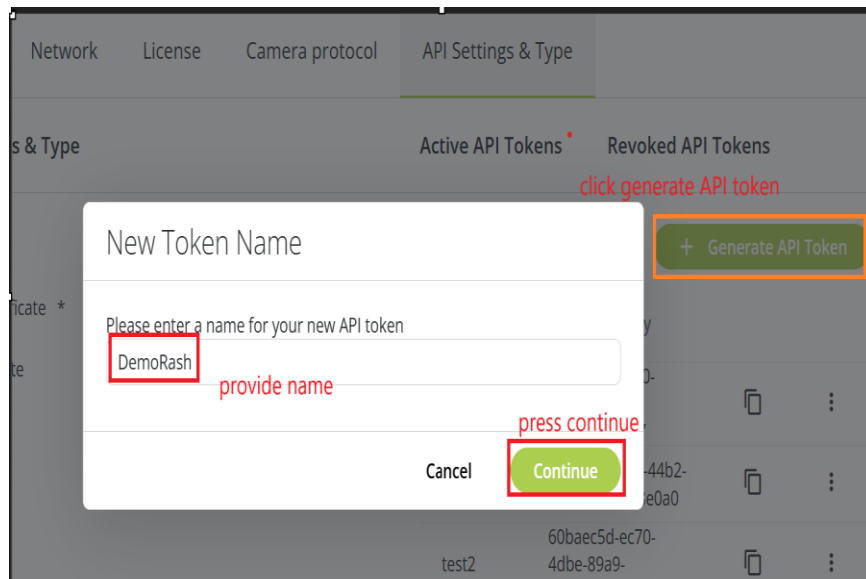
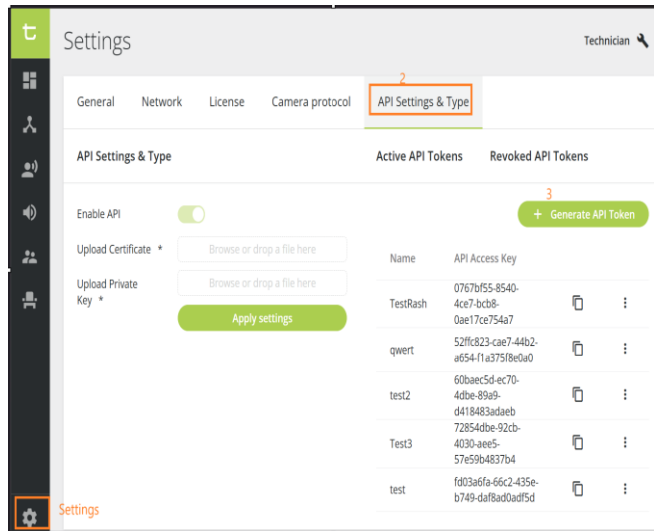
### 3. D-Cerno AE as Technician and mode selection.

- Navigate to [Discussion] section and select a preferred mode.
- In this example, [Hands free] mode is shown.
- Click on mode until it turns green.



## 4. D-Cerno AE Key/Token for CamConnect Pro session

- Navigate to [settings] → [API Settings & Type].



## 4. D-Cerno AE Key/Token for CamConnect Pro session

- Copy and paste the generated token in CamConnect Pro's [API Access Key] field.

The screenshot displays two side-by-side windows from the CamConnect Pro application.

**Left Window: Microphone Setting**

- Section: 1. Televic:D-Cerno AE
- Section: Array Microphone
- Fields: Device (Televic:D-Cerno AE), Device IP, Port (9090), API Access Key (highlighted with an orange box), Connect (toggle), Time To Trigger Preset (1 Sec), Back to Home.
- Buttons: Apply, Cancel, Set.
- Annotation: "paste token in camconnect" with an arrow pointing to the API Access Key field.

**Right Window: API Settings & Type**

- Tab: API Settings & Type
- Section: API Settings & Type
- Fields: Enable API (toggle), Upload Certificate \* (Browse or drop a file here), Upload Private Key \* (Browse or drop a file here), Apply settings (button).
- Section: Active API Tokens
- Section: Revoked API Tokens
- Table of Active API Tokens:

| Name     | API Access Key                       | Copy Icon |
|----------|--------------------------------------|-----------|
| TestRash | 0767bf55-8540-4ce7-bcb8-0ae17ce754a7 | Copy      |
| qwert    | 52ffc823-cae7-44b2-a654-f1a375f8e0a0 | Copy      |
| test2    | 60baec5d-ec70-4dbe-89a9-d418483adaeb | Copy      |
| Test3    | 72854dbe-92cb-4030-ae5-57e59b4837b4  | Copy      |
| DemoRash | 8647cf73-08bb-4137-bcdb-16c4995306a5 | Copy      |

Annotation: "copy token" with an arrow pointing to the DemoRash row.

## 5. Televic D-Cerno AE HTTP/HTTPS

- Using HTTP protocol to connect D-Cerno AE connection with CamConnect Pro, please jump to **Step7** for the rest of setting.
- Using HTTPS protocol, please follow the next page to do the setting.

- **Limitations / Notes:**

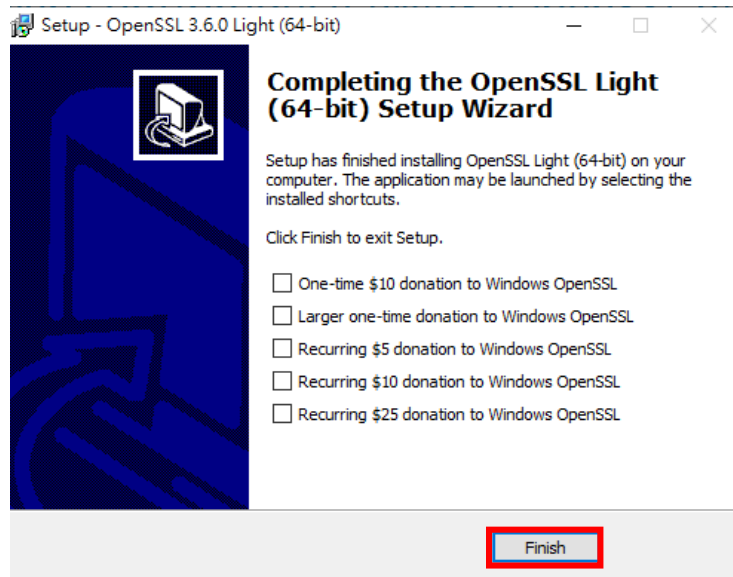
Once the certification is uploaded, the device will switch to HTTPS mode, and HTTP will no longer be available.

To return to HTTP mode, a hardware reset of the device is required to reconfigure it.

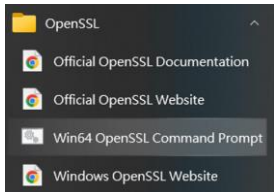
## 6. Download and Install OpenSSL.exe

1. Go to <https://slproweb.com/products/Win32OpenSSL.html>, download OpenSSL.exe (follow your PC OS environment)
2. Complete the OpenSSL installation and ignore the donation page.

| File                                                                                           | Type            |
|------------------------------------------------------------------------------------------------|-----------------|
| Win64 OpenSSL v3.6.0 Light<br><a href="#">EXE</a>   <a href="#">MSI</a>                        | 6MB Installer   |
| Win64 OpenSSL v3.6.0<br><a href="#">EXE</a>   <a href="#">MSI</a>                              | 248MB Installer |
| Win32 OpenSSL v3.6.0 Light<br><a href="#">EXE</a>   <a href="#">MSI</a>                        | 5MB Installer   |
| Win32 OpenSSL v3.6.0<br><a href="#">EXE</a>   <a href="#">MSI</a>                              | 207MB Installer |
| Win64 OpenSSL v3.6.0 Light for ARM (EXPERIMENTAL)<br><a href="#">EXE</a>   <a href="#">MSI</a> | 6MB Installer   |
| Win64 OpenSSL v3.6.0 for ARM (EXPERIMENTAL)<br><a href="#">EXE</a>   <a href="#">MSI</a>       | 207MB Installer |
| WinUniversal OpenSSL v3.6.0 Light for all architectures (EXPERIMENTAL)<br><a href="#">EXE</a>  | 15MB Installer  |
| WinUniversal OpenSSL v3.6.0 for all architectures (EXPERIMENTAL)<br><a href="#">EXE</a>        | 174MB Installer |



## 1. Execute Win64 OpenSSL Command Prompt



2. Enter below command:

```
openssl req -x509 -newkey rsa:2048 -keyout  
server.key -out server.crt -days 365 -nodes
```

Country Name (2 letter code) [AU]: e.g. TW

State or Province Name [Some-State]: e.g. Taiwan

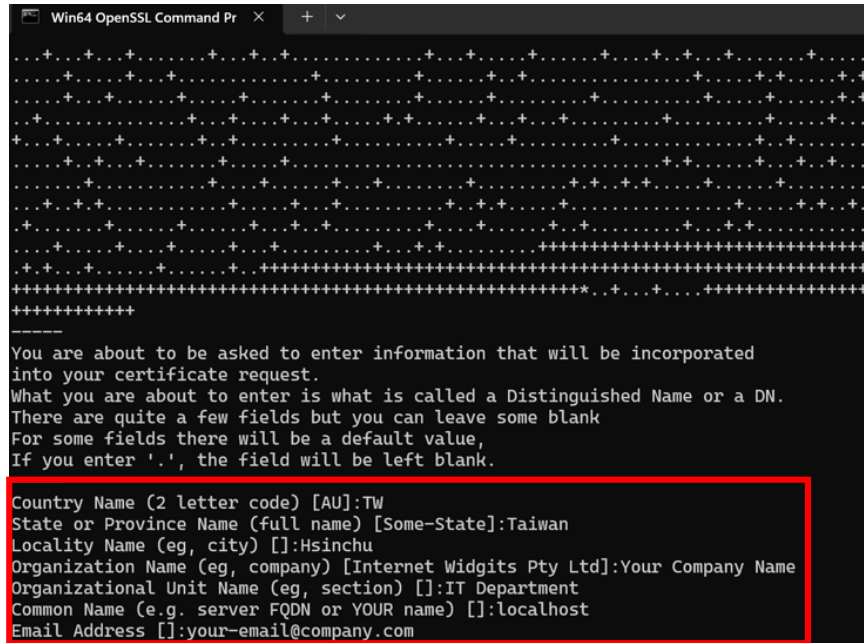
Locality Name []: e.g. Hsinchu

Organization Name []: e.g. Lumens

Organizational Unit Name []: e.g. IT Department

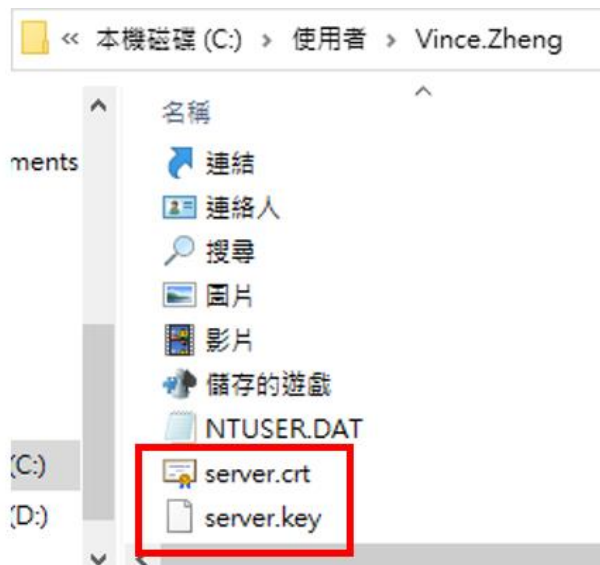
Common Name []: localhost

Email Address []: [your-email@company.com](mailto:your-email@company.com)



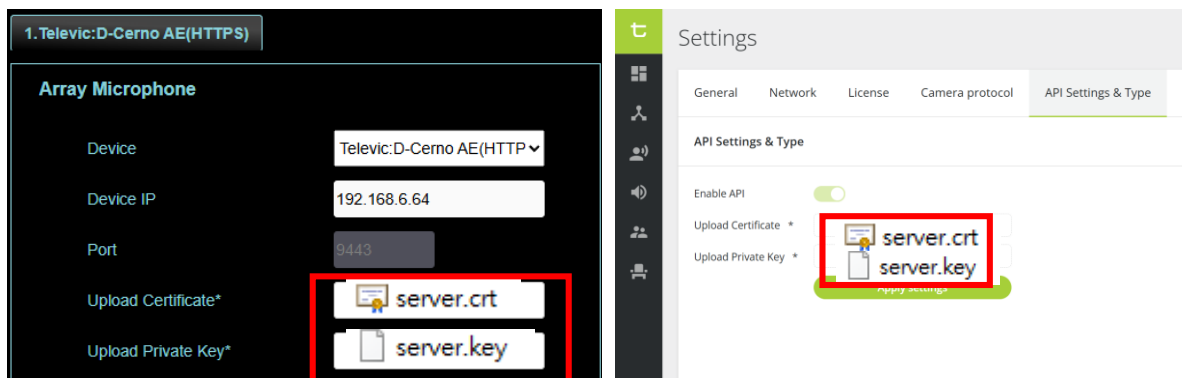
## 7. Generate certification and key

3. Certification and key are generated in this folder:  
C:\Users\[Username]



## 8. Upload certification and key to complete setting

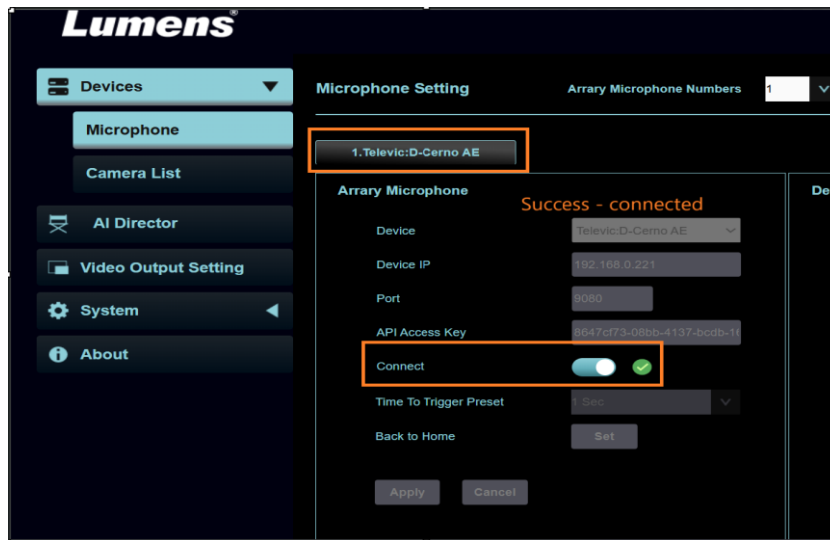
Upload certification and key to CamConnect Pro and Televic D-Cerno AE.



## 9. D-Cerno AE connection with CamConnect Pro.

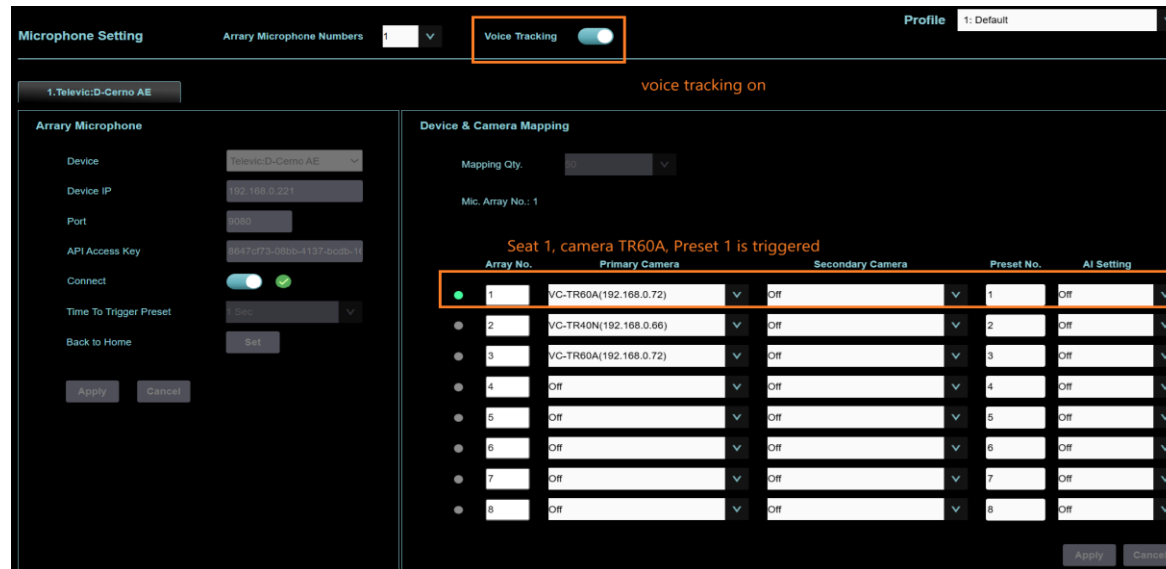
In CamConnect Pro's web browser; (as shown below)

- Enter D-Cerno AE's IP address.
- Paste API key as shown in previous slide.
- Make other settings like; time to trigger and back to home as you wish.
- Hit Apply then toggle the Connect button to the right.



# 10. CamConnect Pro & D-Cerno AE - Camera mapping

- Map camera presets per D-Cerno C & D SL units/seats.
- For example; 2 cameras and 3 seats are assigned in hands free mode.
- Below image shows; Seat 1 talker triggers camera TR60A preset 1:



## 11. Others

- In hands free mode, a maximum of 17 microphones is supported.
- Do not place microphones less than 1m apart from each other.
- Update your D-Cerno AE, D & C SL to latest firmware (ex. 1.4.0 -17).
- Read carefully the D- Cerno AE's installation manual, especially the sections; [installation], [Technician] and [operator and chairperson]. This ensures a seamless operation with CamConnect Pro or have a certified Televic D-Cerno AE personel setup the room and then integrate with CamConnect Pro.
- Contact Lumens for technical support if any of above guide is unclear.

# Thank You!



MyLumens.com



Contact Lumens

