KVM over IP VNC Server support

Introduction

In computing, **Virtual Network Computing** (**VNC**) is a graphical desktop-sharing system that uses the Remote Frame Buffer protocol (RFB) to remotely control another computer. It transmits the keyboard and mouse events from one computer to another, relaying the graphical-screen updates back in the other direction, over a network.

VNC is platform-independent – there are clients and servers for many GUI-based operating systems and for Java. Multiple clients may connect to a VNC server at the same time. Popular uses for this technology include remote technical support and accessing files on one's work computer from one's home computer, or vice versa.

The KVM over IP Transmitter (Tx) supports VNC Server Bridge function, so that you can run VNC Client program at your notebook/PC to access the PC that attached to the Tx.

KVM over IP Tx with VNC Server Setup

1 Download VNC Client from Internet (for example Tiger Vnc https://sourceforge.net/projects/tigervnc/files/stable/1.12.0/vncviewer64-1.12.0.exe/download) to the Controller PC.

2 Connect the Tx unit (with VNC Server firmware built-in) to the Controlled-PC by Video and USB cables.

3 Connect the Tx to Gigabit Ethernet Switch by CAT5/6 cable.

4 Connect the Controller PC to the same Ethernet Switch by CAT5/6 cable.

5 Power On all monitors, PCs, Ethernet Switch and Tx unit.

6 Run the VNC Client at the Controller PC, as below:
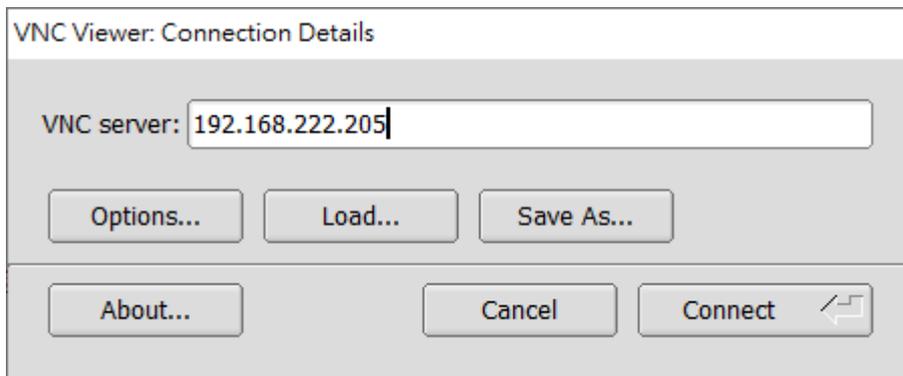
7 Enter the Tx IP address for the VNC server.

8 The Controller PC will display the Controlled-PC, like the following screenshot:
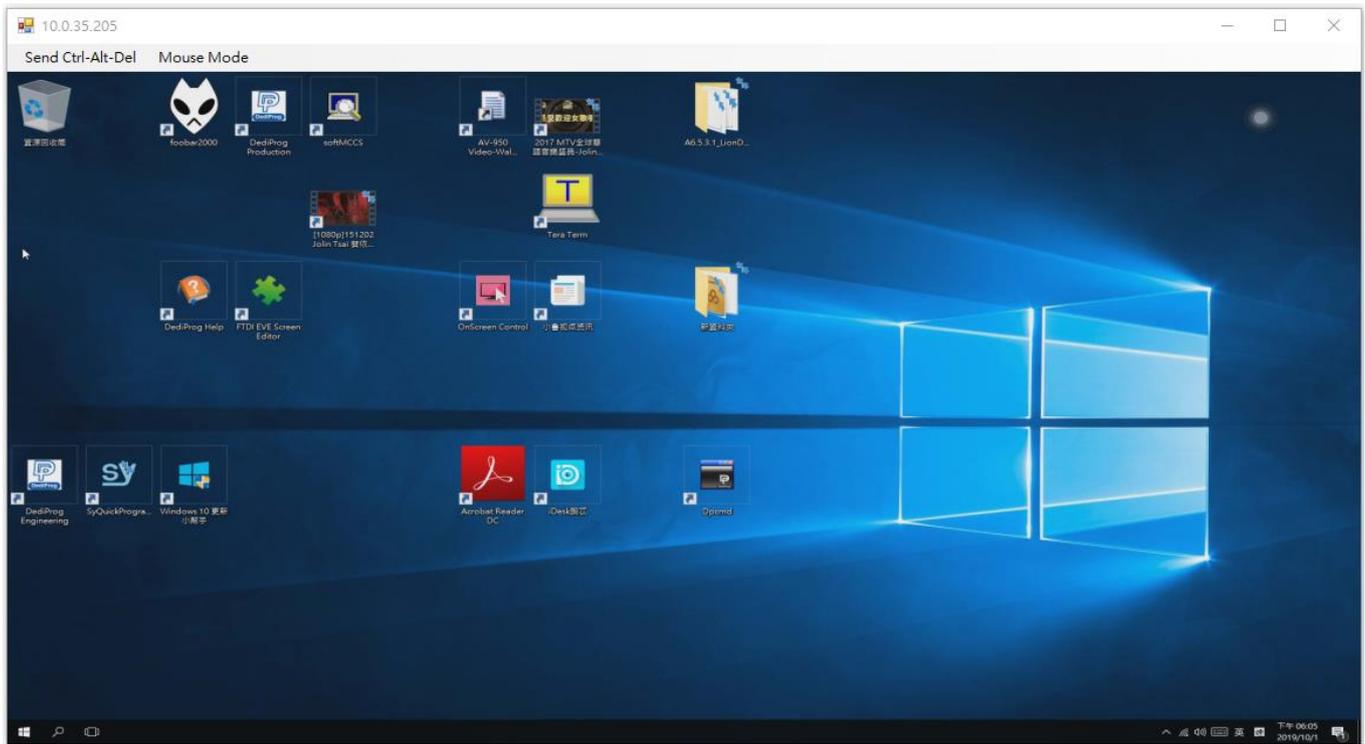
9 You can press the VNC Client hotkey (F8) to get the hotkey menu as below TigerVNC Viewer example:
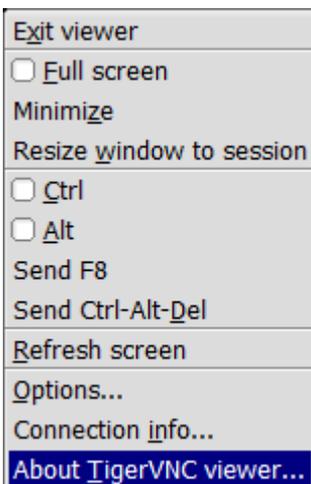
10 Click the "Connection Info…" and "Options", the following VNC information will be displayed:

VNC connection info

i

Desktop name: 192.168.222.205
Host: 192.168.222.205 port: 5900
Size: 1920 x 1080
Pixel format: depth 24 (32bpp) little-endian rgb888
(server default depth 24 (32bpp) little-endian rgb888)
Requested encoding: Tight
Last used encoding: Tight
Line speed estimate: 19288 kbit/s
Protocol version: 3.8
Security method: None

Close

VNC Viewer: Connection Options

Compression | Security | Input | Screen | Misc.

☑ Auto select

Preferred encoding

- ● Tight
- ○ ZRLE
- ○ Hextile
- ○ Raw

Color level

- ● Full
- ○ Medium
- ○ Low
- ○ Very low

☐ Custom compression level:

2 level (0=fast, 9=best)

☑ Allow JPEG compression:

8 quality (0=poor, 9=best)

Cancel | OK

BEACON
Beacon Links Inc.