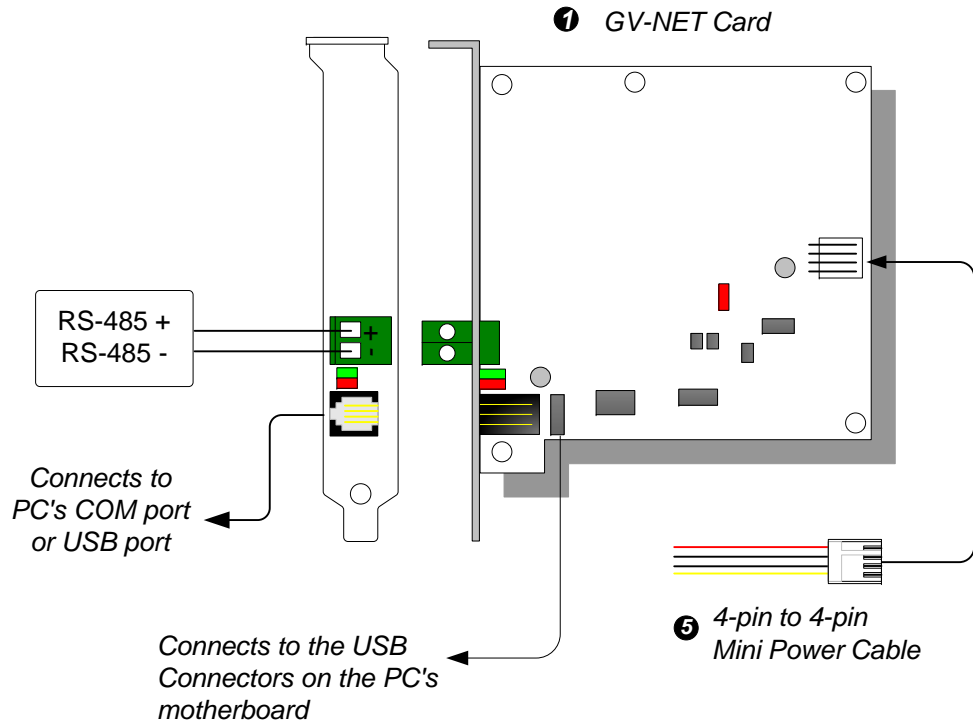# GV-NET Card  V3.1

The GV-NET Card is a RS-485 / RS-232 interface converter. The Card connects To the RS-232 port or USB port on your computer, and allows RS-485 devices, such as PTZ domes, to be connected through the Card.

## Installation

Insert the GV-NET Card to an empty card slot. Use the 4-Pin Mini Power Cable to connect the GV-NET card to the PC's power supply.

## Packing List

❶ GV-NET Card x1
❷ RJ-11 to DB9 Cable x1
❸ RJ-11 to USB Cable x 1

❹ 3-Pin Internal USB Cable x 1
❺ 4-Pin to 4-Pin Mini Power Cable x 1
❻ Installation Guide x 1

❶  GV-NET Card

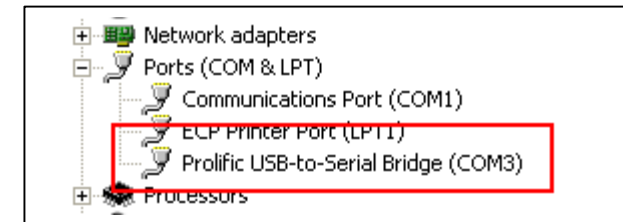RS-485 +
RS-485 -

*Connects to
PC's COM port
or USB port*

*Connects to the USB
Connectors on the PC's
motherboard*

❺ *4-pin to 4-pin
Mini Power Cable*

## Specifications

| Interface | RJ-11 to DB9 (RS-232) |
|---|---|
| | RJ-11 to USB |
| | 3-Pin Internal USB to Internal USB |
| | RS-485+ / RS-485- |
| Communication | RS-485 1,200~115,200 bps; USB |
| Environmental Conditions | 0 to 50 degree C / 32 to 122 degree F 5%~95% (non-condensing) |
| Compatible Model | All GV-Video Capture Card Models |
| Dimensions (W x H) | 97 x 90 mm / 3.82 x 3.54 in |

Note: Currently the product does not support 64-bit Windows versions when you choose the USB port for connection. For users of 64-bit Windows versions, you need to use the COM port for connection.

## USB Driver Installation

To use the USB function, it is required to install the driver on the PC. Follow these steps to install the driver:
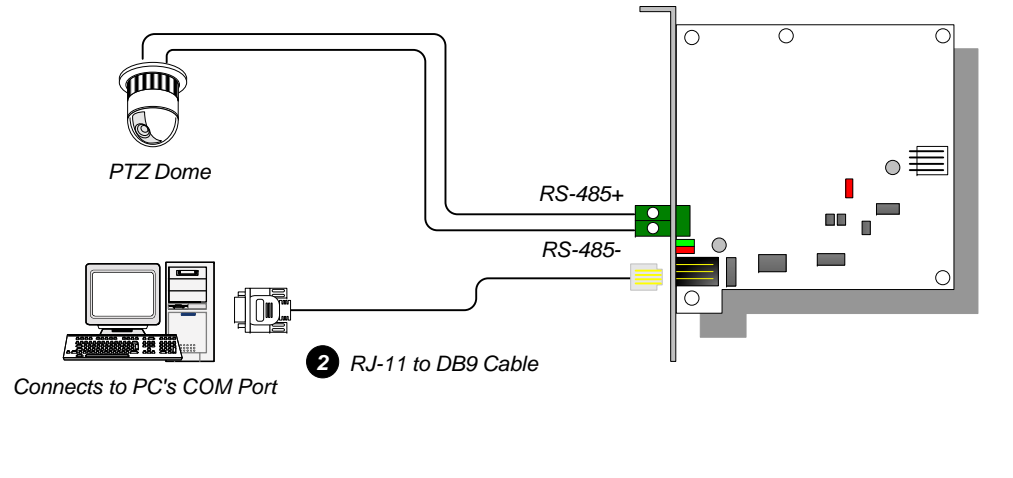
(1) Insert the software DVD. It will run automatically and pop up a window.

(2) Select **Install or Remove GeoVision GV-Series Driver** and then click **Install GeoVision USB Device Drivers**. This dialog box appears.

(3) Click **Install** to install the drivers. When the installation is complete, this message will appear: *Install done!*

(4) Click **Exit** to close the dialog box.

(5) To verify the drivers are installed correctly, go to Device Manager. Expanding the Ports field, you should see one entry for Profile USB-to-Serial Bridge.
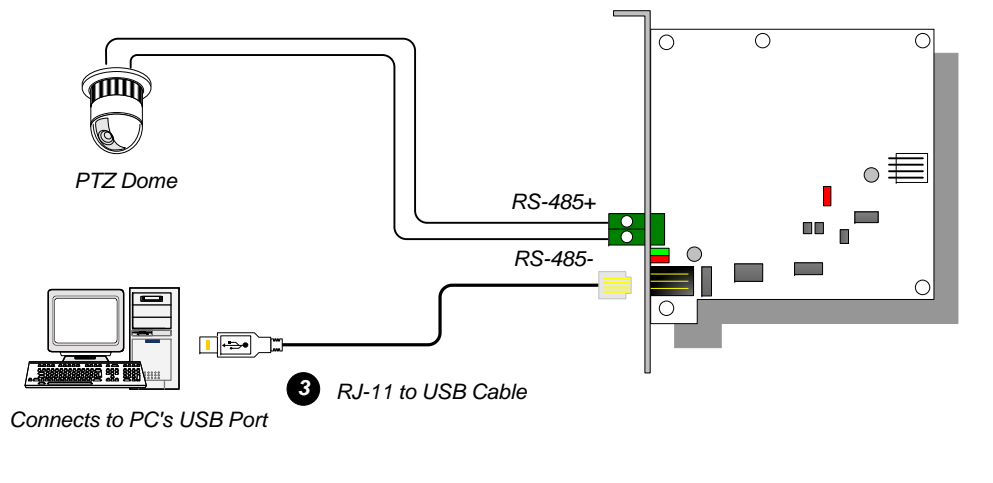
# Connections

To connect the GV-NET Card to the RS-485 devices, there are three ways of connections. See the pictures below.

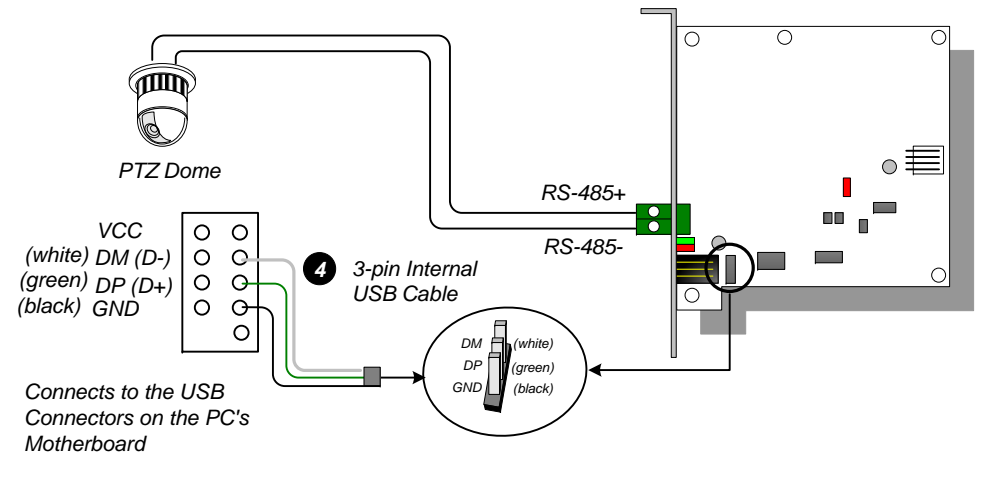1. Connecting a RJ-11 to DB9 Cable to the PC's COM Port when a RS-485 device is connected.

*PTZ Dome*

RS-485+

RS-485-

**2** *RJ-11 to DB9 Cable*

*Connects to PC's COM Port*

2. Connecting a RJ-11 to USB Cable to the PC's USB Port when a RS-485 device is connected.
   ✳ Installation of USB driver is required.

*PTZ Dome*

RS-485+

RS-485-

**3** *RJ-11 to USB Cable*

*Connects to PC's USB Port*

3. Connecting a 3-Pin Internal USB Cable to the USB connectors on the PC's Motherboard when a RS-485 device is connected.
   ✳ Installation of USB driver is required.

*PTZ Dome*

RS-485+

RS-485-

VCC
*(white)* DM (D-)
*(green)* DP (D+)
*(black)* GND

**4** *3-pin Internal USB Cable*

DM *(white)*
DP *(green)*
GND *(black)*

*Connects to the USB Connectors on the PC's Motherboard*

**Note:** The GV-NET Card only provides RS-485 / RS-232 data conversion; the connection to the GV Video Capture Card is not required.