Certainly! Here's a Python code snippet that demonstrates how to use the ONVIF library to connect to a camera and retrieve device information using the GetDeviceInformation API:

```python
from onvif import ONVIFCamera

def get_device_information(camera_ip, username, password):
    # Connect to the camera
    camera = ONVIFCamera(camera_ip, 80, username, password)

    # Get the device capabilities
    device_info = camera.devicemgmt.GetDeviceInformation()

    # Extract device information
    manufacturer = device_info.Manufacturer
    model = device_info.Model
    firmware_version = device_info.FirmwareVersion
    serial_number = device_info.SerialNumber

    # Print device information
    print("Manufacturer:", manufacturer)
    print("Model:", model)
    print("Firmware Version:", firmware_version)
    print("Serial Number:", serial_number)

# Provide the camera's IP address, username, and password
```

```
camera_ip = "192.168.0.100"

username = "admin"

password = "password"


# Call the function to get device information

get_device_information(camera_ip, username, password)
```

Make sure you have the `onvif-zeep` library installed (`pip install onvif-zeep`) before running the code snippet. Replace the camera IP address, username, and password with your own camera's details.