KBSW180126 Win32-

get_laser_scan,

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  - Visual Studio 2010 SP1
  - Slamware Windows SDK:Slamware Windows SDK
  - RoboStudio():Robostudio installer
  - Sample Code:

    > Visual Studio
    >
    > Visual Studio 2010SP1.Net FrameworkSP1

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    - Slamware SDP mini
    - Slamware Slamware
    - Apollo/Ares/Athena

Win32-

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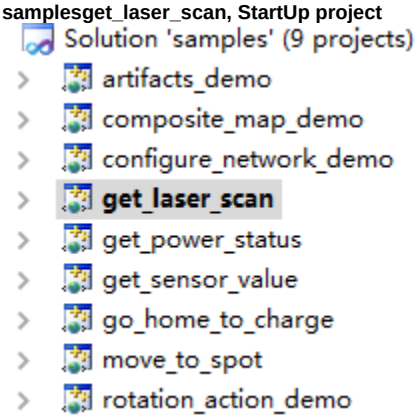
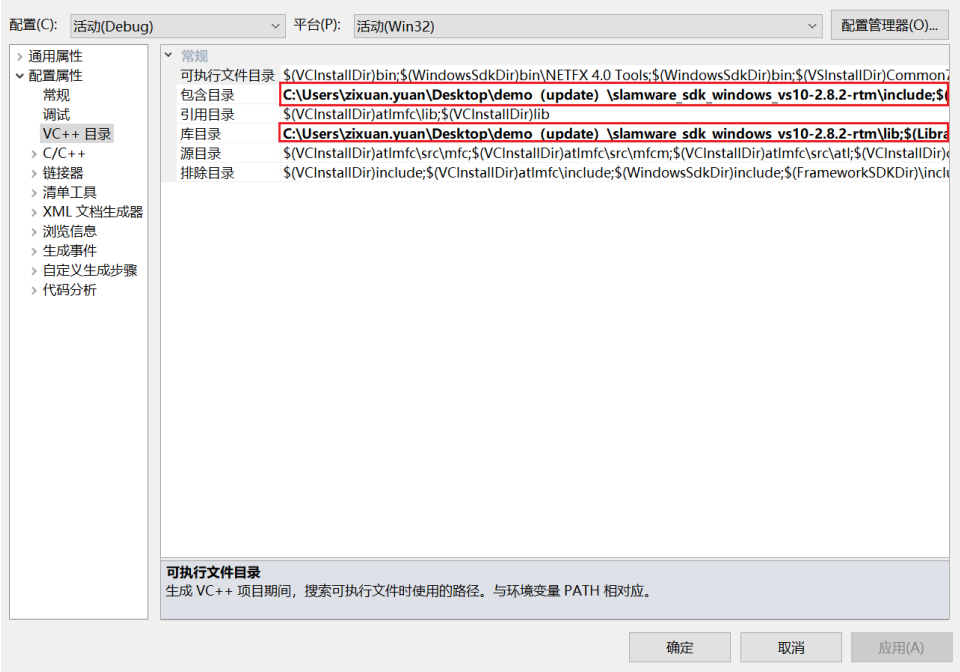
1. **samplesget_laser_scan, StartUp project**

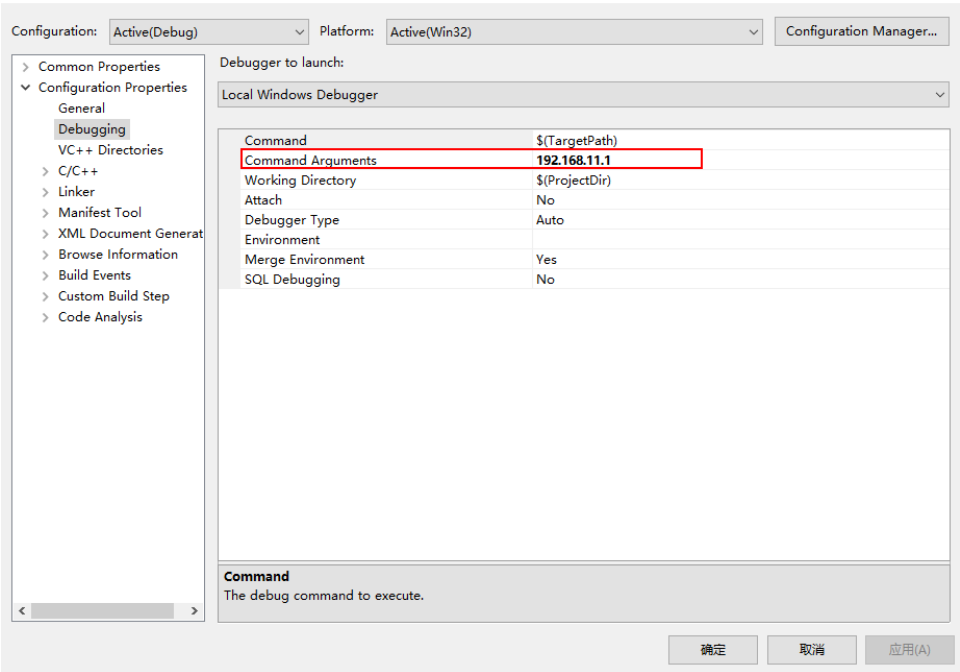


2. **get_laser_scan, Slamware SDK includelib**

   > Slamware SDKincludelibVisual Studio



3. **get_laser_scan, Debuggingcommand Arguments 192.168.11.1**
   get_laser_scan <IP address>



4. **F5**

5.

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PS C:\Users\zixuan.yuan\Desktop\demo (update) \SlamwareApplicationDemos-Windows-master\Debug> .\get_laser_scan.exe 192.168.11.1
Connecting SDP @ 192.168.11.1...
SDK Version: 2.8.2_rtm
SDP Version: 2.8.2_rtm (Jun  3 2021)
Angle: 3.13784; Distance: 9.37377; is Valid: 1
Angle: 3.13345; Distance: 9.29401; is Valid: 1
Angle: 3.12881; Distance: 9.25446; is Valid: 1
Angle: 3.12466; Distance: 9.20702; is Valid: 1
Angle: 3.12027; Distance: 9.15178; is Valid: 1
Angle: 3.11587; Distance: 9.09449; is Valid: 1
Angle: 3.11173; Distance: 9.03953; is Valid: 1
Angle: 3.10757; Distance: 8.99852; is Valid: 1
Angle: 3.10294; Distance: 8.93602; is Valid: 1
Angle: 3.09854; Distance: 8.88743; is Valid: 1
Angle: 3.09414; Distance: 8.87102; is Valid: 1
Angle: 3.08998; Distance: 8.84667; is Valid: 1
Angle: 3.08558; Distance: 8.7986; is Valid: 1
Angle: 3.08143; Distance: 8.77457; is Valid: 1
Angle: 3.07703; Distance: 8.74283; is Valid: 1
Angle: 3.07263; Distance: 8.69525; is Valid: 1
Angle: 3.06823; Distance: 8.63184; is Valid: 1
Angle: 3.05681; Distance: 100000; is Valid: 0
Angle: 3.0524; Distance: 100000; is Valid: 0
Angle: 3.04838; Distance: 100000; is Valid: 0
Angle: 3.04397; Distance: 100000; is Valid: 0
Angle: 3.03965; Distance: 100000; is Valid: 0
Angle: 3.03524; Distance: 100000; is Valid: 0
Angle: 3.01744; Distance: 1.04384; is Valid: 1
Angle: 3.01302; Distance: 1.04391; is Valid: 1
Angle: 3.00884; Distance: 1.04397; is Valid: 1
Angle: 3.00439; Distance: 1.04383; is Valid: 1
Angle: 3.00022; Distance: 1.04592; is Valid: 1
Angle: 2.99576; Distance: 1.04782; is Valid: 1
Angle: 2.99135; Distance: 1.05399; is Valid: 1
Angle: 2.98814; Distance: 1.06999; is Valid: 1
Angle: 2.98368; Distance: 1.07394; is Valid: 1
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                SlamwareCorePlatform sdp = SlamwareCorePlatform::connect(argv[1], 1445);
        std::cout <<"SDK Version: " << sdp.getSDKVersion() << std::endl;
        std::cout <<"SDP Version: " << sdp.getSDPVersion() << std::endl;
                rpos::features::system_resource::LaserScan laser_scan = sdp.getLaserScan();
            std::vector<rpos::core::LaserPoint> laser_points =laser_scan.getLaserPoints();

                for (std::vector<rpos::core::LaserPoint>::iterator it = laser_points.begin(); it!=
laser_points.end(); ++it)
                        std::cout << "Angle: " << it->angle() << "; Distance: " <<
                        it->distance() << "; is Valid: " << it->valid() << std::endl;
```