1. Class diagram

2. Class description

2.1 – CameraDetail

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| --- | --- | --- |
| CameraDetail | | Model – contains camera information (video url, camera id, group id ...) |
| Data type | Method | description |
| string | **getUrlSD() *const*** | return ws stream url SD  ex:  CameraDetail cam;  ...  string url = cam.getUrlSD();  \*sd-resolution: 720x480 |
| void | **setUrlSD(*const* string &value)** | set ws-stream url SD  ex:  CameraDetail cam;  cam.setUrlSD("ws://url"); |
| string | **getUrlHD() *const*** | return ws stream url HD  \*hd-resolution: 1280x720 |
| void | **setUrlHD(*const* string &value);** | set ws-stream url HD |
| string | **getCamID() *const*** | return camera unique ID    ex: |
| void | **setCamID(*const* string &value)** |  |
| string | **getGroupAddress()** | return group camera address in nature text  ex:  cout<<cam.getGroupAddress()<<endl;  result: "52 Nguyen Chi Thanh" |
| void | **setGroupAddress** | set group camera address  ex:  cam.setGroupAddress("52 Nguyen Chi Thanh") |
| string | **toJsonString()** |  |