

R6

V6.0



R6

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V6.0	2020-11-2	1.
V5.0	2020-10-30	1. 2.
V4.0	2020-10-26	1. 2. M 3. 4. 5.
V3.0	2020-10-15	1.
V2.0	2020-10-10	1. " cmdType" " reqType" 2. 3.
V1.0	2020-9-30	



1.1	1
1.2	1
1.3	1
1.4	1
1.5	2
2.1	3
4.1	4
4.1.1	4
4.2	5
4.2.1	5
5.1	6
5.2	7
6.1	

C



1

1.1

1.5

- 1)
- 2)
- 3)
- 4)
- 5)
- 6)
- 7)
- 8)

50



2

2.1

1. " dsl D" (HCRemoteMni tor) ,
" dsl D" , 2 0 0 0 .
2. " cmdType" , " cmdType"
" reqType"
3. 2 0 2 1 , reqType ,

3

JSON JSON { }

- dsl D
 - " www hc- system com cam"
 - " www hc- system com RemoteMni tor"
 - " www hc- system com HCRemoteCommand"
- reqType
 - query:
 - command
 - hear tbreak
 - photo
 - AddPoi nts
 - AddRCC:

4

4.1

```
{  
  "dsID": "www.hc-system.com.RemoteMonitor",  
  "reqType": "query",  
  "queryAddr": ["version", "curMold"]  
}
```

JSON

```
{  
  "dsID": "www.hc-system.com.RemoteMonitor",  
  "reqType": "query",  
  "queryData": ["v1.1", "default"]  
}
```

4.1.1

1. version:
2. curMold: ()
3. counterList: ID [" 0", " 2", " 5"]
4. counter-n: [" id", " ", ". "]
5. curMold: T : (0: , 1: , 2: , 3: , 7: , 8: ,
9:)
6. boardIDNumIO
7. input-n: 32 : (n 0 , 0: 1-32 , 1: 33-64 ...)
8. output-n: 32 : (n] 0 " 0 00 ê 1-32mí , P1: 33-64 ...)
9. axisNum
10. axis-n " 0 p

16. curTorque-n: (, 2580 , n 0 , 0: J1,

1: J2, 2: J3, 3: J4, 4: J5, 5: J6, 6: J7, 7: J8)

17. curSpeed-n: (RPM): (, n 0 , 0: J1, 1: J2, 2: J3, 3: J4,

4: J5, 5: J6, 6: J7, 7: J8)

18. curAccount: ()

19. ori gi n:

20. mō dLi st: [" A1" , " A2" , " A5"]

21. i sMō vi ng: : (1 , 0)

22. Mn: 32 M : (n 0 , 0: 1-32 M 1: 33-64 M..)

4.2

JSON

```
{
  "dsID":"www.hc-system.com.RemoteMonitor",
  "reqType": "command",
  "cmdData":["cmd", "d1","d2"...]
}
```

: 2 0.2 1/1. 6.4 JSON

```
{
  "dsID":"www.hc-system.com.RemoteMonitor",
  "reqType": "command",
  "cmdReply":["ok"]
}
```

: 2 0.2 1/1. 6.4 JSON

```
{
  "dsID":"www.hc-system.com.RemoteMonitor",
  "reqType": "command",
  "cmdReply":["cmd", "r1", "r2"]
}
```

4.2.1

1. acti onStop:
2. acti onPause:



- 3. acti onSi ngl eCycl e : ()
- 4. startButton:
- 5. stopButton:
- 6. sw tchMØd : (" d1" : ())
- 7. mØdi fyCounter: (" d1" : ID " d2" : -1 " d3" :
-1 (())
- 8. mØdi fyOutput: (" d1" : ID 0 3 IO 4 6 M (
) 7 EUI O " d2" : ID " d3" : 0 OFF 1 ON)
- 9. cl earAl armRunNext:
- 10. cl earAl armConti nue:
- 11. mØdi fyStackData: (() " d1" :sl D, " d2-d4" :
x y z " d5-d7" : x y z)
- 12. mØdi fyGSPD (" d1" :)
- 13. rewri teData: (" d1" : addr s, " d2" : val ue, " d3" : savabl e)
- 14. rewri teDataLi st: :
(" d1" : addr s, " d2" : l ength, " d3" : savabl e, " d4" , " d5" , " d6" , " d7" ,)
- 15. mØdi fyAccDec: (" d1" : , " d2" :) =
*1000
- 16. sw tchTool : (" d1" :)
- 17. mØdi fyTool : (" d1" : , d2: X, d3: Y, d4: Z, d5:
RX, d6: RY, d7: RZ), = *1000
- 18. sw tchCoordi nate: (" d1" :)

5

5.1

:

```
"reqType":"photo",  
"camID":0  
}
```

```
{  
  "dsID":"www.hc-system.com.cam",  
  "reqType":"photo",  
  "camID":0,  
  "ret":1  
}
```

5.2

```
{  
  "reqType":"AddPoints",  
  "Data":  
  {  
    "camID":"0",  
    "data":  
  }  
}
```

www



```
{
  "ModelID": "0",
  "X": "1.001", "Y": "0.000", "Z": "1000.001", "U": "0.000", "V": "0.000", "Angel": "2.000",
  "Similarity": "0", "Color": "0", "Rel": "1"},
  {"ModelID": "1",
  "X": "888.001", "Y": "1345.001", "Z": "1000.001", "U": "0.000", "V": "0.000", "Angel": "123.123",
  "Similarity": "0", "Color": "0", "Rel": "0"},
  {"ModelID": "2",
  "X": "888.001", "Y": "1345.001", "Z": "1000.001", "U": "0.000", "V": "0.000", "Angel": "123.123",
  "Similarity": "0", "Color": "0", "Rel": "0"},
  {"ModelID": "3",
  "X": "888.001", "Y": "1345.001", "Z": "1000.001", "U": "0.000", "V": "0.000", "Angel": "123.123",
  "Similarity": "0", "Color": "0", "Rel": "0"}
]
}
]
```

- dsData

- camID ID
- data
 - ModelID ID
 - X X
 - Y Y
 - Z Z
 - U: Z 4
 - V: V, 4
 - Angel W 4 U
 - Similarity
 - Color
 - Rel 1

```
{
  "dsID": "www.hc-system.com.cam",
  "reqType": "command",
```

```
"cmdReply":["AddPoints", "r1"]
}
```

6

```
{
  "dsID":"www.hc-system.com.HCRemoteCommand",
  "reqType":"AddRCC",
  "emptyList":"1",
  "instructions":
  [
    {
      "oneshot":"0",
      "action":"4",
      ...
    }
    {
      "oneshot":"0",
      "action":"4",
      ...
    }
  ]
}
```

JSON

```
{
  "dsID":"www.hc-system.com.HCRemoteCommand",
  "reqType": "command",
  "cmdReply":["AddRCC", "r1"]
}
```

- emptyList: 1: 0.

- instructions

- oneshot 1: 0.

- action

6.1

6.1.1

action

- 4
- 10
- 17

- m0-m7

- m0_p-m7_p ()

- ckStatus: , bit1-8 1-8 8 0xFF 6

0x3F

- speed 0.1%
- delay 0.1s
- smooth 0-9

```
{
  "dsID":"www.hc-system.com.HCRemoteCommand",
  "reqType":"AddRCC",
  "emptyList":"1",
  "instructions":
  [
    {
      "oneshot":"0",
      "action":"4",
      "m0":"0.000",
      "m1":"0.000",
      "m2":"0.000",
      "m3":"0.000",
      "m4":"-90.000",
      "m5":"0.000",
      "m6":"0",
      "m7":"0",
    }
  ]
}
```

```
        "ckStatus",
        "speed":"80.0",
        "delay":"1.0",
        "smooth":"0"
    }
}
]
```

6.1.2

- action 800
- cnt_id: id

```
{
  "dsID":"www.hc-system.com.HCRemoteCommand",
  "reqType":"AddRCC",
  "emptyList":"1",
  "instructions":
  [
    {
      "oneshot":"0",
      "action":"800",
      "cnt_id":"0"
    }
  ]
}
```

6.1.3

- action 100
- type
 - 0-4
 - 5-7 M
 - 8 EU
 - 100

- point 0-31
- io_status
 - 0
 - 1
 - 2
 - 3
- limit 0.1s
- isUnlimit 1

```
{  
  "dsID":"HCRremoteCommand",  
  "reqType":"AddRCC",  
  "emptyList":"1",  
  "instructions":  
  [  
    {  
      "oneshot":"0",  
      "action":"100",  
      "type":"0",  
      "point":"0",  
      "io_status":"1",  
      "limit":"0",  
      "isUnlimit":"0"  
    }  
  ]  
}
```

6.1.4

- action 52
- isUse 1 0
- ioNumber: 0-31
- io_status 0 1



```
  "emptyList": "1",  
  "instructions":  
  [  
    {  
      "onshot": "0",  
      "action": "52",  
      "ioType": "0",  
      "ioNumber": "0",  
      "io_status": "0"  
    }  
  ]  
}
```

7

8.2

:

:

```
{
  "dsID":"www.hc-system.com.RemoteMonitor",
  "reqType": "query",
  "queryAddr":["version", "curMold"]
}
```

:

```
{
  "dsID":"www.hc-system.com.RemoteMonitor",
  "reqType": "queryEcho",
  "queryData":["v1.1", "default"]
}
```

8.3

```
{
  "dsID":"www.hc-system.com.cam",
  "reqType": "AddPoints",
  "dsData":
  [
    {
      "camID":"0",
      "data":
      [
        {"ModelID":"0",
          "X":"888.001","Y":"1345.001","Z":"1000.001","U":"0.000","V":"0.000","Angel":"123.123",
          "Similarity":"0","Color":"0", "Rel":"0"},
        {"ModelID":"0",
          "X":"888.001","Y":"1345.001","Z":"1000.001","U":"0.000","V":"0.000","Angel":"124.123",
          "Similarity":"0","Color":"0", "Rel":"0"}
      ]
    }
  ]
}
```

```
{
  "dsID":"www.hc-system.com.cam",
  "reqType": "command",
  "cmdReply":["AddPoints", "2"]
}
```



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