

How to get DI CGI Request

This documentation explains how to program to get any changed DI(Digital Input of sensor) information in CGI format from FlexWATCH video server to get video from the third party web server or remote server.

● DI CGI Request Format

- HTTP: GET Request

HTTP: Request Method = GET

HTTP: Uniform Resource Identifier =

[CGI Path(EX:/cgi-bin/dicgi.cgi)]?

SerialNo=00306fxxxxxx&DiValue=xx

HTTP: Protocol Version = HTTP/1.1

HTTP: Host = [IP Address(Ex:192.168.0.25)]

HTTP: Authorization = Basic [user:passwd]

● The Value of DI-CGI Data[SerialNo=00306fxxxxxx&DiValue=xx]

- SerialNo=00306fxxxxxx : The xxxxxx is ASCII code of Hexadecimal

EX:the ASCII String 00306f000102 is 0x00, 0x30, 0x6f, 0x00, 0x01, 0x02.

- DiValue=xx : The xx is ASCII code of Hexadecimal also.

EX: the ASCII String 31 is 0x31.

Also, the value is mean of the all of DI-Status.

In this case, bit0 is the state of DI-1, bit1 is the state of DI-2

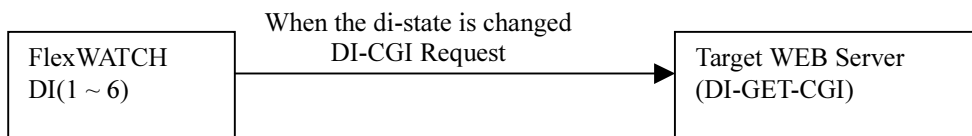
bit2 is the state of DI-3, bit3 is the state of DI-4

bit4 is the state of DI-5, bit5 is the state of DI-6

● The Time of sending of DI-CGI Request.

When the any of DI-State is changed, the DI-CGI Daemon will try to send to target WEB Server.

If the current time is in the enable time zones, the CGI is seeded by DI-CGI Daemon



● The sample of perl script.

Following is example of perl script which need to be run in the third party web server or remote server to get DI-CGI information.

```

#####
#DI-GET-CGI Sample
#####
use ParseQuery;

my (%input, $Dival, $SerialNo);
%input = ParseQuery->GetSimpleInfo();
$Dival = $input{'DiValue'};
$SerialNo = $input{'SerialNo'};

open(FH, ">> DiValue.txt") or die;
print FH "SerialNo=$SerialNo, DiValue=$Dival\n";
close(FH);

exit;
#####
  
```