

Motion Detection Data Manual

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1. Motion Detection data transport mode

NETWORK CAMERA send Motion Detection data stream by standard HTTP protocol, client software access

`http://< NETWORK CAMERA ip>[:port]/stream.arm`

get Motion Detection data stream from NETWORK CAMERA. HTTP protocol follow HTTP 1.1 criterion, detailed protocol refer to

<<RFC 2616 - Hypertext Transfer Protocol -- HTTP/1.1>>.

1.1 Example - Get Motion Detection data stream from Network camera

Setup up TCP connection between client and NETWORK CAMERA, send HTTP request:

`GET /motion HTTP/1.1\r\n`

`Accept: image/gif, image/x-bitmap, image/jpeg, image/pjpeg, application/x-shockwave-flash,
application/vnd.ms-excel,`

`application/vnd.ms-powerpoint, application/msword, */* \r\n`

`Accept-Language: zh-cn\r\n`

`Accept-Encoding: gzip, deflate\r\n`

`User-Agent: Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1; SV1; .NET CLR 1.1. 432
2; .NET CLR 2.0.50727)\r\n`

`Host: 192.168.168.100\r\n`

`Connection: Keep-Alive\r\n`

`\r\n`

1.2 Example for Network camera response

`HTTP/1.0 200 OK\r\n`

`Server: httpd/Aplayer 1.0.0\r\n`

`Cache-Control: no-cache\r\n`

`Pragma: features="broadcast"\r\n`

`Content-Type: application/octet-stream\r\n`

`Accept-Ranges: Bytes\r\n`

`Connection: close\r\n`

`\r\n`

`<Motion Detection Data>`

2. Network camera Motion Detection data stream format

2.1 Data Type

The following table displays referenced data type definitions:

Type	Size (bits)	Signed
BYTE	8	no
WCHAR	16	no
WORD	16	no
DWORD	32	no
QWORD	64	no
GUID	128	no

2.2 Network camera Motion Detection data structure

Motion Detection data of NETWORK CAMERA is composed by many stream objects, format as follows:

Motion Detection Data Block 1
Motion Detection Data Block 2
...
Motion Detection Data Block N
...

2.3 Motion Detection Data Block

Motion Detection Data Block format as follows:

Field name	Field type	Size (bits)
Window 0 Motion Detection	BYTE	8
Window 1 Motion Detection	BYTE	8
Window 2 Motion Detection	BYTE	8
Window 3 Motion Detection	BYTE	8
Event	DWORD	32

Event

Bit 0 – Bit 3 is the trigger event of Motion Detection window 0 – 3,
0 indicates un-warning, 1 indicates warning

Window n Motion Detection

The motion value of Motion Detection window n, the range is (0 – 100)