

# VITEK ON CUE DVR & BRIDGE MJPEG STREAMING API

## 1. Image Port Number

The image port number is the HTTP Port + 1 (i.e. http port=80, then use port 81 below)

## 2. MJPEG Stream Configuration / Request

### Syntax

- Set configuration & request stream

```
http://<user>:<pass>@<IP>:<port>/stream_get.cgi?<parameter>=<value>[&<parameter>=<value>]
```

### Parameters and Values

Parameter	Value	Description
type	jpegstream	Refresh MJPEG stream without the help of Javascript
	jpegview	Refresh MJPEG stream using the Javascript
	jpeg	Native MJPEG stream
	jpegsub	Still JPEG Snapshot
ch	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16	
resolution	full, half, cif, qcif	full: 1920x1080 half: 1920x540 cif: 960x540 qcif: 480x270
framerate	1 - 30	
bitrate	1000 - 6000	Kbps

### Example

```
http://ADMIN:1234@192.168.1.100:81/stream_get.cgi?type=jpegview&ch=1&resolution=d1&framerate=15&bitrate=512
```

### 3. Stream Data Header Structure

```
typedef struct http_stream_data_type_  
{  
    int type;                // 1:JPEG  
    int ch;                  // channel no( 1 - 16)  
    int length;              // stream data length  
    int width;              // not used for JPEG  
    int height;             // not used for JPEG  
  
    char datetime[8];       // DVR datetime - [ 20, 14, 1, 24, 12, 10, 30, 0 ];  
    char title[20];         // ch title  
  
    int reserved[4];  
}__attribute__((packed)) http_stream_data_type;  
  
typedef struct http_stream_header_type_  
{  
    unsigned long magic_id1;    // 0xA1A2A3A4  
    unsigned long magic_id2;    // 0xA4A3A2A1  
    //  
    http_stream_data_type stream;  
    //  
}__attribute__((packed)) http_stream_header_type;
```

**\*\*\*PLEASE NOTE:** The information within this document applies to OnCue Series DVRs & the OnCue Bridge ONLY. OnCue NVRs do not offer streaming from the recorder, so integrate directly with the IP cameras (camera dependent).