

INTELLINET NETWORK SOLUTIONS – Network Camera Video Access



The purpose of this document is to provide application developers with the means to access the video data stream of our Pro Series Network Camera products. This document focuses on the part of the image access only, additional details on remote programming can be found in the product's HTTP API.



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1. Product Short Listing & available access methods

High Speed Dome Indoor/Outdoor Camera, 300x



Models:
- 550260 NTSC
- 550277 PAL

Access Methods:

1. Direct Image JPG Access

- enable JPG streaming in camera settings (BASIC -> VIDEO)
- enable "Direct Image Access" in camera settings (BASIC -> VIDEO)
- specify image file name or use default "image.jpg"
- URL to obtain single JPG:

<http://ipaddress/jpg/image.jpg>

e) Output:

```
HTTP/1.0 200 OK\r\n
Content-Type: image/jpeg\r\n
Content-Length: <image size>\r\n
\r\n
<JPEG image data>\r\n
```

2. M-JPEG Access

- enable JPG streaming in camera settings (BASIC -> VIDEO)
- obtain M-JPEG streaming using the following URL:

<http://ipaddress/video.cgi?id=guest&passwd=guest>

When M-JPG video is requested, the server returns a continuous flow of JPEG files. The content type is "multipart/x-mixed-replace" and each image ends with a boundary string <boundary>. The returned image and HTTP data is equal to the request for a single JPEG image.

Return:

```
-----
HTTP/1.0 200 OK\r\n
Content-Type: multipart/x-mixed-replace;boundary=<boundary>\r\n
\r\n
--<boundary>\r\n
<image>
```

Note:

Firmware 0.33 or better must be installed. Firmware download here:

<http://www.networkipcamera.com/product.php?model=550260&m=dl>

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CMOS JPG Network Cameras



Models:

- 550710 Wired
- 550703 WLAN (End of Life)
- 550734 PTZ (End of Life)

Access Methods:

1. Direct Image JPG Access

a) Open SYSTEM CONFIGURATION page in camera admin menu

- System Configuration

Camera name (max 15 characters): INT-550710
Camera location (max 30 characters): Tampa, FL
Supply voltage to output port option: supply don't supply
Direct public access to image via HTTP: enable disable
(http://ipaddress/jpg/image.jpg)

b) Option "Direct public access to image via HTTP"

- enable:

URL = http://ipaddress/jpg/image.jpg

- disable:

URL = http://guest:guest@ ipaddress/jpg/image.jpg

2. M-JPEG Access

Not supported.

Note: Firmware Version 4.0 or above must be installed.

<http://www.networkipcamera.com/product.php?model=550710&m=dl>

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MPEG4 Network Cameras (all models, incl. CCD MPEG4, IR CCD MPEG4, CMOS Digital PTZ, Vandal Proof CCD Dome)



Models:

- **550796 / 503181** CCD MPEG4 Wired (PAL / NTSC)
 - **550178 / 550253** CCD MPEG4 Wireless (PAL / NTSC)

 - **550291 / 550314** CCD MPEG4 IR Wired (PAL / NTSC)
 - **550307 / 550321** CCD MPEG4 IR Wireless (PAL / NTSC)

 - **550338** 1.2M CMOS Digital PTZ MPEG4 Wired
 - **550345** 1.2M CMOS Digital PTZ MPEG4 Wireless

 - **550406 / 550420** Vandal Proof Dome CCD Camera (PAL/NTSC)
 - **550413 / 550444** Vandal Proof Dome CCD Camera (PAL/NTSC)
- (both dome cameras will be available in March/April 2008)

Access Methods:

1. Direct Image JPG Access

- a) Open SYSTEM CONFIGURATION page in camera admin menu
- b) Activate either "JPG ONLY" or "Dual (MPEG4 & JPEG)" mode
- c) Option "Direct public access to image via HTTP"
 - enable:
URL = <http://ipaddress/jpg/image.jpg>
 - disable:
URL = <http://guest:guest@ipaddress/jpg/image.jpg>

2. M-JPEG Access

- a) Open SYSTEM CONFIGURATION page in camera admin menu
- b) Activate either "JPG ONLY" or "Dual (MPEG4 & JPEG)" mode
- c) obtain M-JPEG stream using URL:
<http://ipaddress/image.cgi?id=guest&passwd=guest&mode=http>

Note:

Firmware Version > 4.x must be installed on the cameras.

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2. Demo Links

Speed Dome Camera (Firmware 0.33)

1. JPG Access:

<http://67.111.35.12/jpg/image.jpg>

2. M-JPG Access:

<http://67.111.35.12/video.cgi?id=guest&passwd=guest>

CMOS Camera 550710 (Firmware 4.25)

1. JPG Access:

<http://quest:quest@550710.networkipcamera.com/jpg/image.jpg>

(direct public access is disabled, thus, username+passwd must be submitted)

MPEG4 CCD Camera 550253 (Firmware 4.2)

1. JPG Access:

<http://550253.networkipcamera.com/jpg/image.jpg>

2. M-JPEG Access:

<http://550253.networkipcamera.com/image.cgi?id=quest&passwd=quest&mode=http>

MPEG4 CMOS Digital PTZ Camera 550338 (Firmware 4.5)

1. JPG Access:

<http://550338.networkipcamera.com/jpg/image.jpg>

2. M-JPEG Access:

<http://550338.networkipcamera.com/image.cgi?id=quest&passwd=quest&mode=http>

Note:

These links may change in the future. Should a camera not respond, or operate in a mode not compatible to JPG streaming, please contact us so we can setup a demo for you.