

AirForce

H.264 HD AiP



AiP

Full HD IP

AirForce

H.264 JPEG

AiP

Full HD IP

AirForce

2, 3 5  
DSP-  
(BLC), ePTZ,  
a

IP-

3D,  
(ROI),

SD,

JPEG

FTP.

AiP

Full HD IP

AirForce

: 2-

H.264,

DSP,

PoE.

AIM Software HD 2.6 (

) IP-

Full HD

IP.

- AiP Full HD 30
- H.264 JPEG
- 4
- « »
- " " (IVA)
- IVA- FTP
- 3 D DNR, WDR, BLC, ePTZ, ROI,
- , iPad iPhone
- DNS (DDNS)
- Network time (NTP)
- ONVIF
- AIM Software HD 2.6 ( )

Microsoft, Windows 2000, Windows XP, Windows Vista, Windows 7, ActiveX  
Internet Explorer

Microsoft / .

Java Java

Sun

Microsystems, Inc. .

Flash, Macromedia Macromedia Flash Player

Adobe

Systems Incorporated / .

Linux DynDNS

Intel, Pentium Intel® Core™ 2 Duo  
Intel Corporation.

FFmpeg Fabrice Bellard, FFmpeg  
project.

QuickTime QuickTime  
Apple Computer, Inc.,

eMobile

AI ActiveX

AI HTTP API

non-ONVIF,  
HTTP API

AI HTTP API.  
Full HD IP.

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10 c

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1

1-1

AiP

Full HD H.264

1-2

JPEG

H.264 FULL HD

ActiveX.

AiP

Internet Explorer,

AI

ActiveX.

"

,

"

Local g...  
6 432 2 2

File



## 2

## AiP

RJ-45 , AiP , AiP ,  
IP- , IP- , IP-  
AiP 192.168.0.200. AiP  
IP-  
ip  
IpScan.

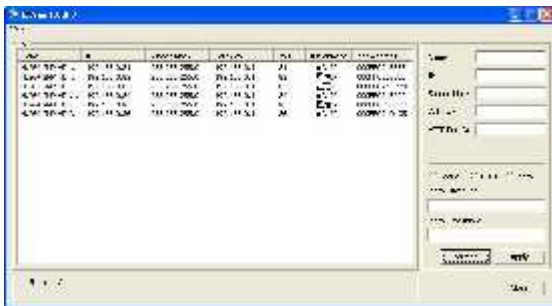
### 2-1

### IP-

### IPScan

IP- IPScan , IPScan  
IPScan -  
IPScan - /  
IP- , , HTTP- ,

- IPScan .
- 
- 
- « » « » IP- ,  
HTTP
- 
-



IPScan 1.0.0.31

**2-2 IP HTML**

- IP- ( , 192.168.0.200) HTML-
- IP- H.264 FULL HD. AiP
- " " -"admin" "pass".
- " -> "
- IP- , , HTTP
- « ».

**2-3**

ActiveX , Internet Explorer-> -> -> ActiveX



AiP

AiP ( Internet Explorer )

IP-

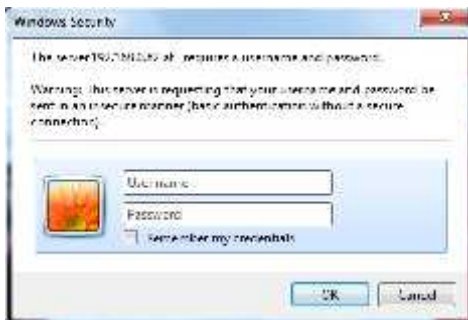
H.264 FULL HD

OK,

ActiveX

AiP

AiP



|  |       |  |
|--|-------|--|
|  |       |  |
|  | admin |  |
|  | pass  |  |

AiP

### 3

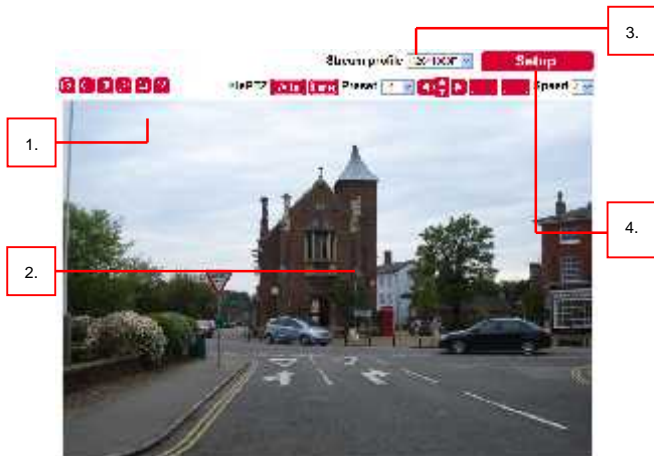
### AiP

AiP

#### 3-1 HTML

AiP

HTML



- |    |          |                     |
|----|----------|---------------------|
| 1. | AiP      | -                   |
| 2. | ActiveX- | RTSP H.264<br>JPEG. |
| 3. | -        | -                   |
| 4. | -        | AiP                 |

#### 3-2 AiP

AiP

, ePTZ «ROI» ( ).

### 3-2-1 ePTZ

AiP  
ePTZ.

ePTZ,



ePTZ ( ePTZ , Ai ActiveX control  
ActiveX ePTZ , ActiveX control )



Ai Universal ActiveX



ePan eTilt.

PIP.

ePTZ.

3-2-2 « » (ROI)

D1

ROI.

1080P.

: 1920 \* 1080





: 720 \* 480



3-2-3

|  |          |
|--|----------|
|  | :        |
|  | : . ( ). |
|  | : ( ).   |
|  |          |
|  | ( ).     |
|  | ePTZ ROI |
|  | ePTZ ROI |

|   |              |
|---|--------------|
| Presets /   | ePTZ    ROI  |
|  | ,            |
|  | ePTZ    ROI. |
| Speed /   | PTZ          |

3-2-4



3-2-5

ActiveX.

ePTZ    ROI





Player. AVI- , Windows Media

3-3

AiP

HTML.

3-3-1

AIP-

H.264 FULL HD

MAC,



H.264 FULL HD

AI -

IPScan

AIP-

H.264 FULL HD.

IP- H.264 FULL HD

Submit ( ).

### ActiveX

ActiveX

### 3-3-2

User ( / , , ).  
IP- H.264 FULL HD ,  
Logon ON ( ).

Add/Edit

Bypass



Account ( , , ).

New Password ( , ).

Submit ( , ).

"Remove User" ( , ).



Administrator ( ):

Panel Control ( ):

ePTZ: ePTZ

Streaming ( ):

3-3-3

AIP-

H.264 FULL HD

HTML.

AIP-

H.264 FULL HD,

Submit ( ),



NTP

Auto Synchronize ( ) "Every Hour" ( ).  
AIP- H.264 FULL HD



### 3-3-4

Load Default ( )  
AIP /

IP-

AIP- H.264 FULL HD, Reboot  
System ( ).



Submit ( ),  
Browse ( "flasham.bin" ).

AIP- H.264 FULL HD



### 3-4

H.264 FULL HD AiP  
IP, DHCP DDNS.

### 3-4-1

AIP- H.264 FULL HD IP- AIP-  
H.264 FULL HD 192.168.0.200.  
IP-  
AIP- H.264 FULL HD, IP-  
IP. Submit ( )



IP- ( ),  
 IP-  
**Default DNS IP Address** (IP- DNS )  
 , IP-  
**Second DNS IP Address** ( IP- DNS)  
 , IP- DNS  
 DNS  
**PPPoE Account** ( PPPoE)  
 PPPoE  
**PPPoE Password** ( PPPoE) PPPoE

### 3-4-2 DHCP

DHCP-  
 IP- AIP- H.264 FULL HD.  
 DHCP IP- AIP- H.264 FULL HD  
 IPScan AIP- H.264 FULL HD.  
 DHCP, DHCP,  
 Submit ( ).

: DHCP , IP- AIP-  
 DHCP.

### 3-4-3 HTTP & RTSP

HTTP-

HTTP

“Submit” ( ).



3-4-4

SMTP





- E-mail. E-mail
  - -mail. E-mail
  - Email
  - JPEG-
  - SMTP SMTP SMTP
  - SMTP
  - SMTP, SMTP.
- “Send” ( ),

### 3-4-5 FTP

FTP

FTP.



- FTP server IP/DNS (FTP- IP/DNS) IP-
- Account ( ) FTP-
- Password ( )
- Directory ( ) JPEG-
- Prefix ( ) JPEG-
- Date format ( ) JPEG-
- Postfix ( ) JPEG-
- Auto FTP sent ( FTP)
- FTP sent time ( FTP)

### 3-4-6 DDNS

DNS

IP-  
(IP). DNS-  
DynDNS (DDNS)



: DDNS - .

MAC-

pass,

AIP-

IP-

AIP-

www.ddnsipcam.com

"24094f.ddnsipcam.com"

"24094f"

"pass"

AIP-

AIP-

3-5

H.264 FULL HD:

3-5-1

H.264 FULL HD

H.264 FULL HD



- Profiles ( ):
  - Profile Name ( ):
  - Compression ( ):
  - Resolution ( ):
  - VBR/CBR: VBR: /
- Bit Rate ( ): ,
- Output Frame Rate ( ):
- GOP: I
- Video Output ( ): NTSC/PAL
- Power line frequency ( ): 60 /50

### 3-5-2

, 30 FPS.



### 3-5-3

( ), contrast ( ), hue ( ), saturation ( brightness )  
 sharpness ( ) . IP-



Sense Up.

- Exposure Value ( ):

- WDR:
- Black-light Compensation ( )::
- Shutter limited ( )::
- White Balance Control ( )::
- Mirror ( )::
- Flip ( )::

Sense-Up Plus ( )

- , AGC (Sense-Up Plus):
- AGC -

Sense-Up.

Sense-Up

- 3D:

- Sense-Up: CMOS

No Sense-Up

3 Frame Sense-Up



3-5-4

(MoonLight)

(MoonLight)

(MoonLight)

(AGC).  
(3D DNR)

. AGC 3D DNR

(MoonLight).

3-5-5  
IP-



3-5-6

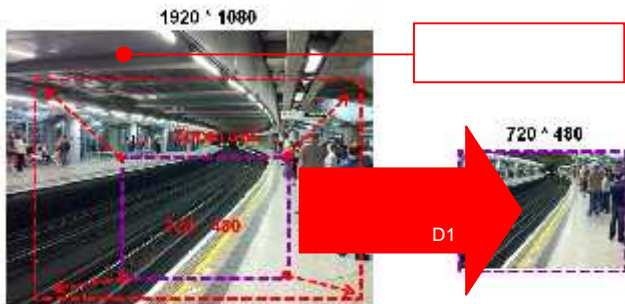
(ROI)

(ROI)

(D1)

CIF)

(1080P)



ROI), ROI, Zoom Out In ( "Enable ROI")





### 3-6

I -  
 (1) , (2) , (3) (4)  
 "A o",  
 " " " ,  
 " " , -  
 , -  
 ,  
 - 19:00 (day to night time -  
 ) 6:00 (night to day time - ).



### 3-7 SD

### 3-8

AIP- H.264 FULL HD  
 /  
 FTP-

### 3-8-1

AIP- H.264 FULL HD

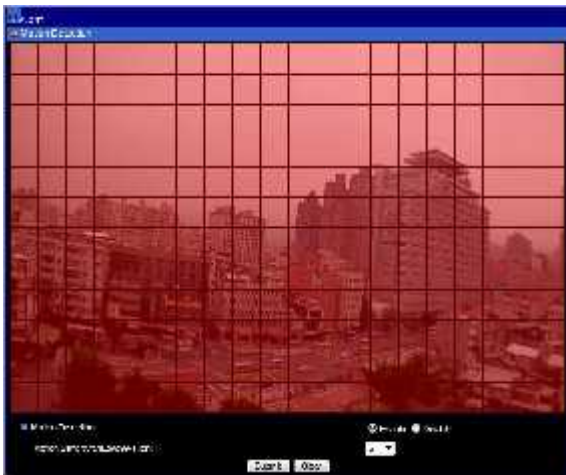
1 99 ( )  
 , AIP- H.264 FULL HD

### 3-8-2

- 
- 
- 



### 3-8-3



3-8-4

4  
1/20

e-Mail /

FTP.

1/20

1/10



### 3-8-5



### 3-8-6

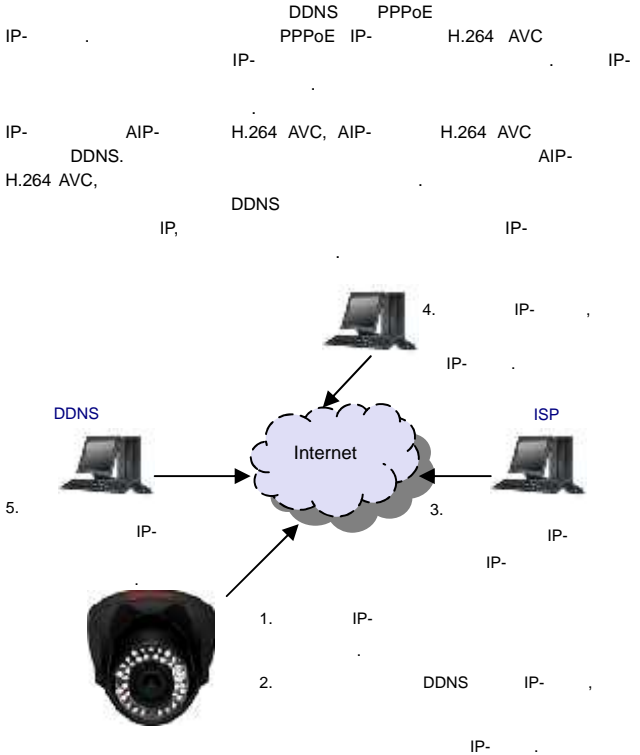
AIP-

: (1) , (2)  
(3) Enable ( ).

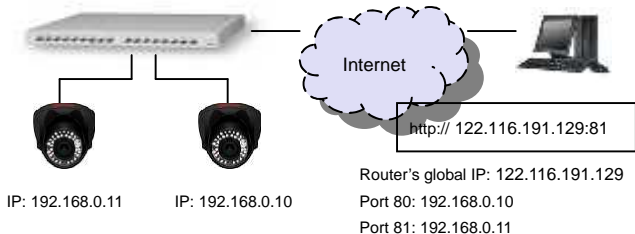


3-9

# DDNS PPPoE



IP- . 80- (61.220.86.166)  
 IP- , 192.168.0.10. 81  
 IP- 192.168.0.11.  
 81 (61.220.86.166:81),  
 192.168.0.11.



**iPhone**

AiP iPhone  
 Live Cams Pro (Eggman Technologies Inc.).  
 AppStore  
 Eggman Technologies Inc.

Live Cams



Pro

Camera" Live Cams Pro. « » / "Add  
 ip



## Android

Android  
IP Cam Viewer/IP Cam Viewer Lite

Android Market  
Robert

Chou.

«Setup» IP Cam Viewer/IP Cam Viewer Lite.  
IP Cam Viewer/IP Cam Viewer Lite



- « »
- « ».
- “ / AiP ” -
- AiP
- “ / AiP ”
- :
1. : AiP DVR
  2. : , AI.
  3. : , AI D1/ AI HD/AI DVR.
  4. IP : IP- , <http://122.116.191.129:86>
- 86-
5. AiP
- “admin” “pass”. DVR,
- “admin” “1111”.

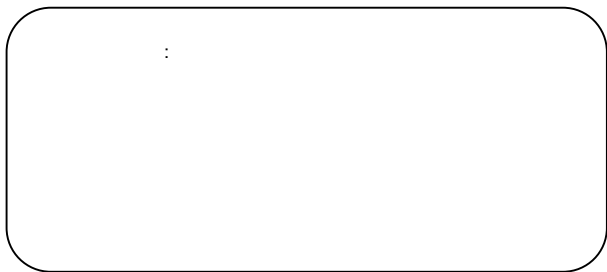
AiP



1. Hold Load Default ( )  
Reset Cable ( ) 10
2. 40
- 3.
4. IPScan IP-
5. IP-
6. " admin", "pass" IP.

|           |      | <b>SDHC/SDSC</b> |
|-----------|------|------------------|
| Sandisk   | 16GB | SDHC             |
| Sandisk   | 8GB  | SDHC             |
| Transcend | 8GB  | SDHC             |
| Transcend | 4GB  | SDHC             |

|            |  |
|------------|--|
|            | H.264 JPEG,<br>1080P(1920 x 1080), 720P(1280 x 720), D1(720 x 480), CIF(352 x 240)   |
|            | H.264: 1920x1080 30 , MJPEG: 720x480 30  |
|            | H.264: 1280x720 30 , MJPEG: 352x240 30   |
|            | H.264: 1920x1080 30 , MJPEG: 1280x720 30   |
|            | H.264: 720x480 30 , MJPEG: 1920x1080 15  |
|            |  |
|            | RTSP: RTP/HTTP, RTP/TCP, RTP/UDP   |
|            | 5Mbps 128Kbps  |
|            | CBR/VBR/GOP  |
|            | 64 HTTP  |
|            | 10   |
|            | 8  |
| ePTZ & ROI |  |
| OSD        |  |
| /          | FTP  |
| CPU,       | SoC CPU 528M , 256 MB DDR, 256 MB  |
| -          | A o, , , ,   |
| -          | 40 (30°, 850nm)  |
|            | TTL +3VDC +5VDC,   |
|            | DC 24 1A, (N.O.),  |
|            | HTTP   |
|            | 10Mbps/100Mbps, RJ-45  |
|            | ---  |
|            | OS: Windows 2000, Windows XP, Windows Vista, Windows 7<br>: Windows Internet Explorer 6.0<br>CPU: Intel Pentium 4 1.8GHz<br>RAM: 1GB |
|            | IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, Onvif                                     |
| PDA        | iPhone, iPad   |
|            | ONVIF HTTPAPI  |
| AIM        | AIM HD 2.6   |
| OS         | Linux 2.6.32   |



AirForce

AiP