

AirForce

H.264 HD AiP



AiP

Full HD IP

AirForce

H.264 JPEG

AiP

Full HD IP

AirForce

2, 3 5
DSP-
(WDR),
(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 project. Fabrice Bellard, FFmpeg

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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2

AiP

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

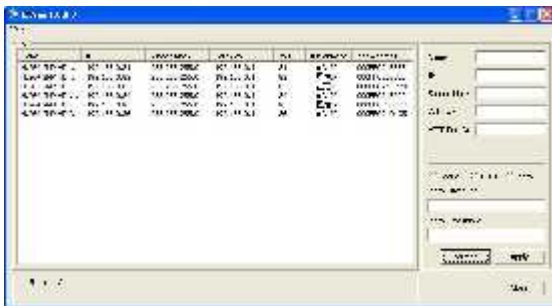
2-1

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)

OK,

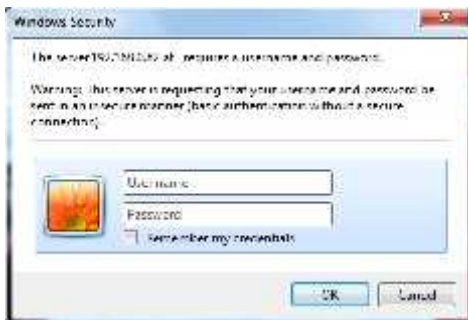
IP-

H.264 FULL HD

ActiveX

AiP

AiP



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

AiP

3

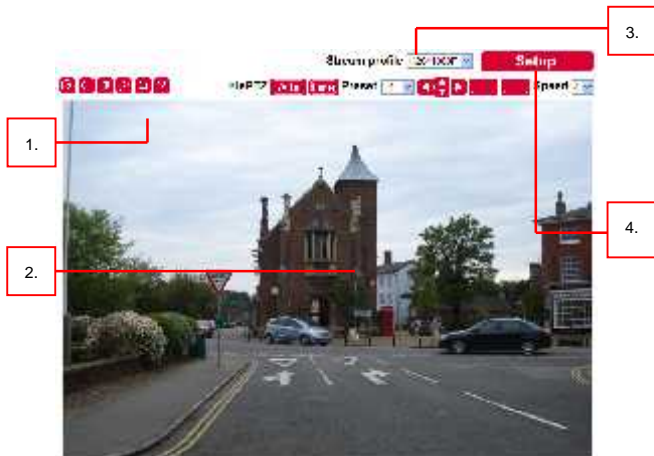
AiP

AiP

3-1 HTML

AiP

HTML



1. AiP -
2. ActiveX- RTSP H.264
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

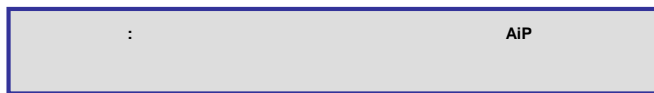


3-2-3

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

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

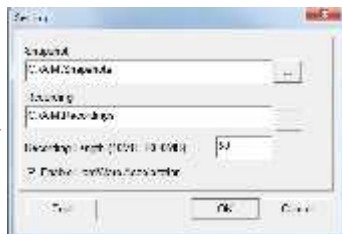
3-2-4



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-
 H.264 FULL HD.
 DHCP IP- AIP- H.264 FULL HD
 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” (), SMTP, SMTP.

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

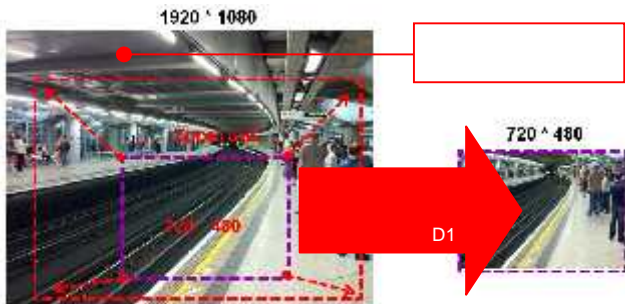
(ROI)

(ROI)

(D1)

CIF)

(1080P)



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

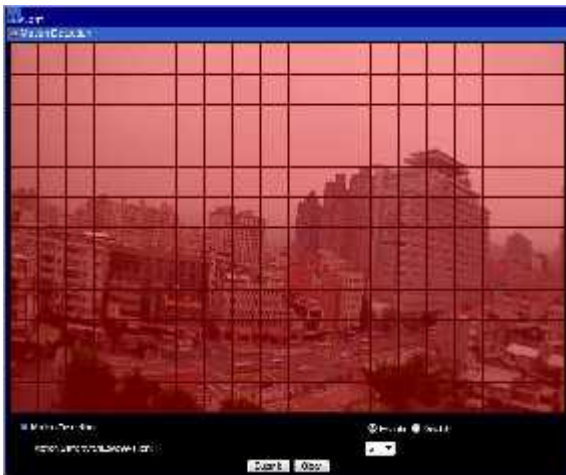


3-8-2

-
-
-



3-8-3



3-8-4

4
1/20

e-Mail /

FTP.

1/20

1/10



3-8-5



3-8-6

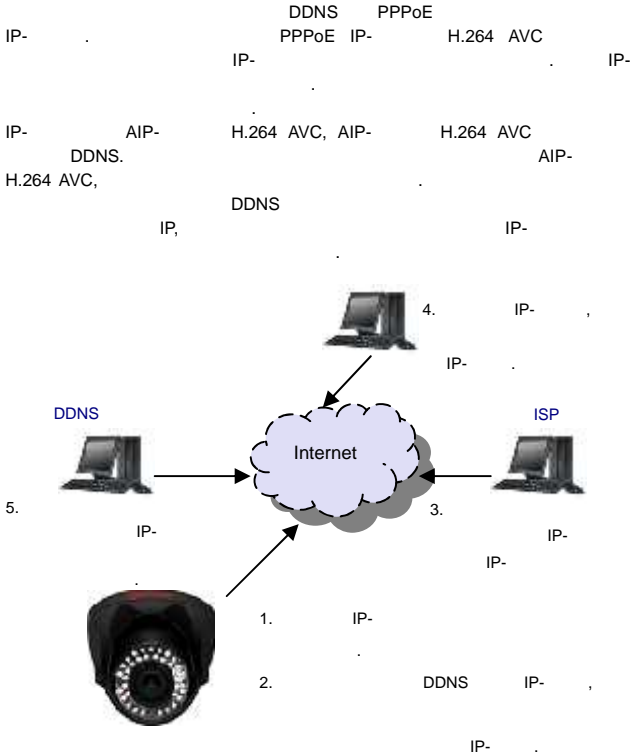
AIP-

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

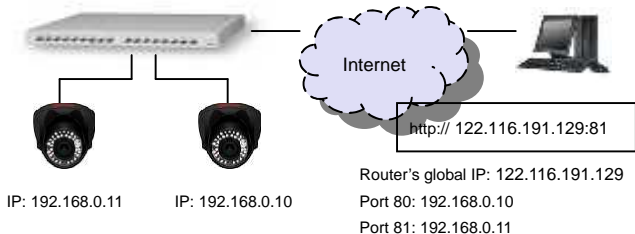


3-9

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

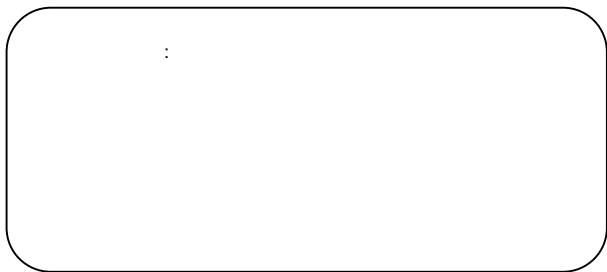


- « »
- « ».
- “ / AiP ” -
- AiP
- “ / AiP ”
- :
1. : AiP DVR
 2. : , AI.
 3. : , AI D1/ AI HD/AI DVR.
 4. IP : IP- , <http://122.116.191.129:86>
- 86-
5. . AiP
- “admin” “pass”. DVR,
- “admin” “1111”.

AiP

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

| | | SDHC/SDSC |
|-----------|------|------------------|
| Sandisk | 16GB | SDHC |
| Sandisk | 8GB | SDHC |
| Transcend | 8GB | SDHC |
| Transcend | 4GB | SDHC |



AirForce

AiP