

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)
- PCM/G.711
- 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.

-
-
-
-
-
-
-
-

10 c



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1

1-1

AiP

Full HD H.264

1-2

ActiveX.

H.264 FULL HD

AiP

JPEG

Internet Explorer,

AI

ActiveX.

”

”

”



2

AiP

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

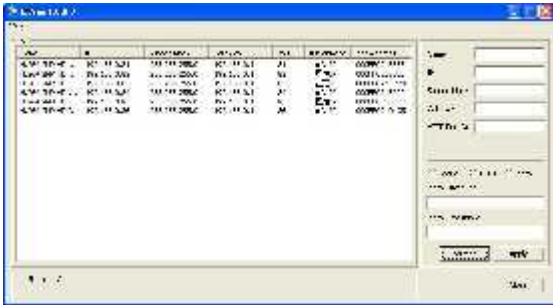
2-1

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-

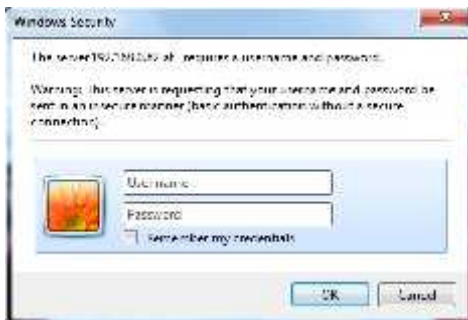
H.264 FULL HD

OK,

ActiveX

AiP

AiP



	admin	
	pass	

AiP

3

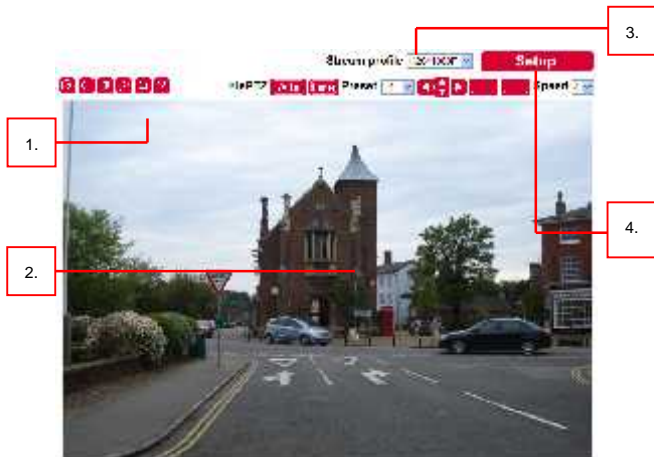
AiP

AiP

3-1 HTML

AiP

HTML



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



AVI-

Player.



Windows Media

3-3

AiP

HTML.

3-3-1

AIP-

H.264 FULL HD

MAC,



AI -

H.264 FULL HD

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
 - 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

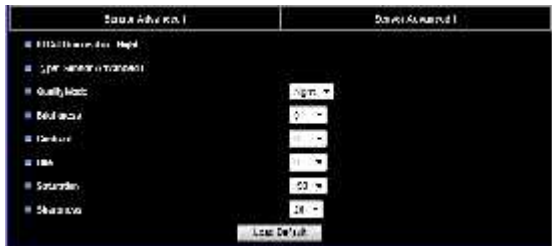
3-5-2

, 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

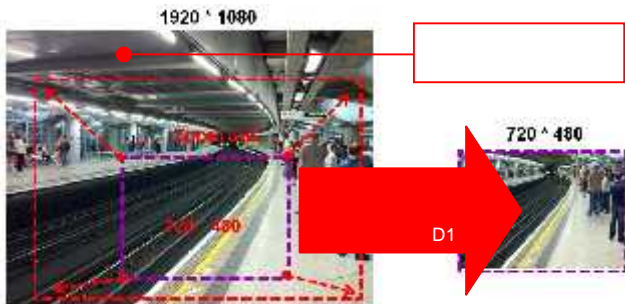
(ROI)

(ROI)

(D1)

CIF)

(1080P)



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



3-6

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



3-7

SD
 SD- , SD- SD.
 SD. IP-
 SD.

3-7-1

SD
 SD :



- **SD Recording ():** SD.
 - **Alarm/Motion/Triggering(/ /):** SD-
 - **Recording Time ():** SD-
 - **Continuous ():** SD-
 - **No Network Activity ():** SD-
 - **Recording Format ():** SD-
 - **SD System Status ():** SD Linux.
 - **SD Card State ():** SD
 - **SD Card Capacity ():** SD
 - **SD Card Free Space ():** SD-
- () SD- , , "un-mount SD Card"
- () SD-

Time	Source	Destination	Protocol	Length	Info
201-02-27	193.0.21	201-02-27	193.0.21		
201-02-27	18.26.20	201-02-27	18.26.20		
201-02-27	18.26.20	201-02-27	18.26.20		
201-02-27	18.27.20	201-02-27	18.27.20		
201-02-27	18.28.20	201-02-27	18.28.20		
201-02-27	18.28.20	201-02-27	18.28.20		
201-02-27	18.29.20	201-02-27	18.29.20		
201-02-27	18.30.20	201-02-27	18.30.20		
201-02-27	18.31.20	201-02-27	18.31.20		
201-02-27	18.32.20	201-02-27	18.32.20		
201-02-27	18.33.20	201-02-27	18.33.20		
201-02-27	18.34.20	201-02-27	18.34.20		
201-02-27	18.35.20	201-02-27	18.35.20		
201-02-27	18.36.20	201-02-27	18.36.20		
201-02-27	18.37.20	201-02-27	18.37.20		
201-02-27	18.38.20	201-02-27	18.38.20		
201-02-27	18.39.20	201-02-27	18.39.20		
201-02-27	18.40.20	201-02-27	18.40.20		
201-02-27	18.41.20	201-02-27	18.41.20		
201-02-27	18.42.20	201-02-27	18.42.20		
201-02-27	18.43.20	201-02-27	18.43.20		
201-02-27	18.44.20	201-02-27	18.44.20		
201-02-27	18.45.20	201-02-27	18.45.20		
201-02-27	18.46.20	201-02-27	18.46.20		
201-02-27	18.47.20	201-02-27	18.47.20		
201-02-27	18.48.20	201-02-27	18.48.20		
201-02-27	18.49.20	201-02-27	18.49.20		
201-02-27	18.50.20	201-02-27	18.50.20		
201-02-27	18.51.20	201-02-27	18.51.20		
201-02-27	18.52.20	201-02-27	18.52.20		
201-02-27	18.53.20	201-02-27	18.53.20		
201-02-27	18.54.20	201-02-27	18.54.20		
201-02-27	18.55.20	201-02-27	18.55.20		
201-02-27	18.56.20	201-02-27	18.56.20		
201-02-27	18.57.20	201-02-27	18.57.20		
201-02-27	18.58.20	201-02-27	18.58.20		
201-02-27	18.59.20	201-02-27	18.59.20		
201-02-27	18.60.20	201-02-27	18.60.20		

3-8

AIP- H.264 FULL HD

FTP-

3-8-1

AIP- H.264 FULL HD

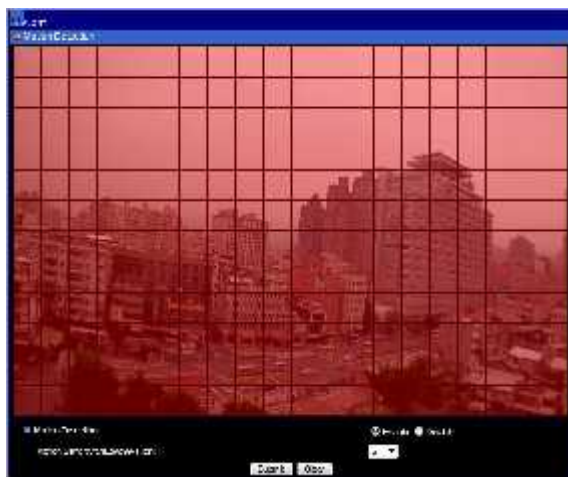
1 99 ()
AIP- H.264 FULL HD

3-8-2

-
-
-



3-8-3



3-8-4

4

1/20

e-Mail

FTP.

1/20

1/10



3-8-5

AIP-



3-8-6

AIP-

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

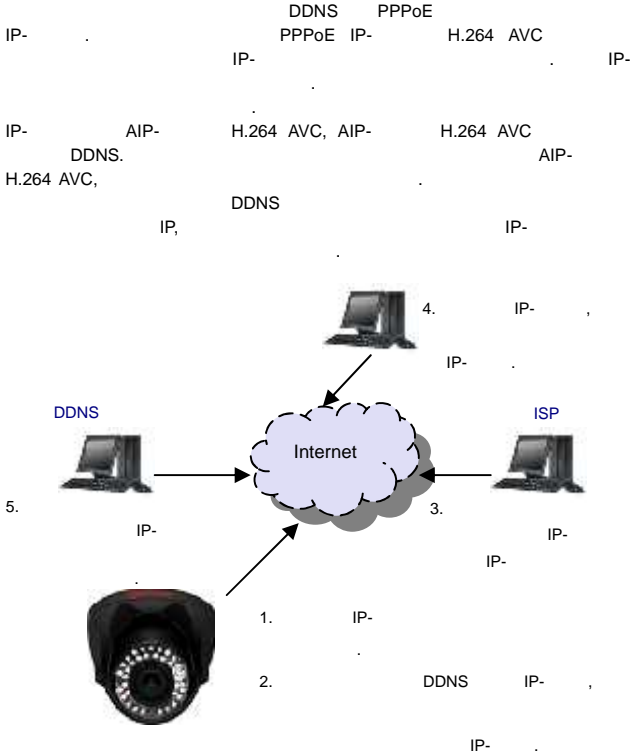


3-9

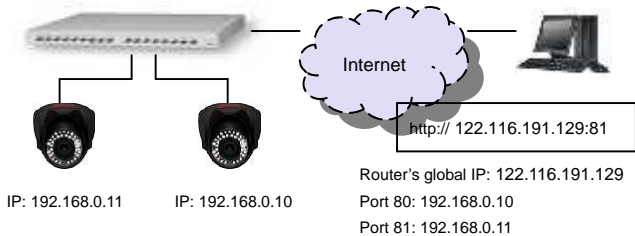
- MIC Volume (): _____
- Audio Input Mode (): _____
- Audio Input Gain (): _____
- Audio Output Volume (): _____
- Audio Coding Type (): G.711 u-Law
- Sample Rate (): _____
- Bit Rate (): _____



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



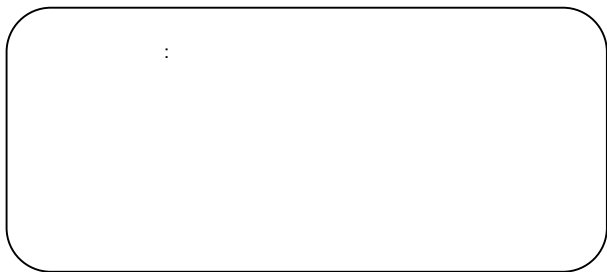
- « »
- « ».
- “ / AiP ” -
- AiP
- “ / AiP ”
- :
1. : AiP DVR
 2. : , AI.
 3. : , AI D1/ AI HD/AI DVR.
 4. IP : IP- , <http://122.116.191.129:86>
- 86-
5. AiP
- “admin” “pass”. DVR,
- “admin” “1111”.

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

	H.264 JPEG, 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, TTL +3VDC +5VDC,
	DC 24 1A, (N.O.),
	HTTP
	10Mbps/100Mbps, RJ-45
	1 / /G.711 64Kbits
	OS: Windows 2000, Windows XP, Windows Vista, Windows 7 : Windows Internet Explorer 6.0 CPU: Intel Pentium 4 1.8GHz 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