

# AirPlay

## H.264 HD AiP



AiP

Full HD IP

AirPlay

H.264 JPEG

AiP

Full HD IP

AirPlay

2, 3 5

5

DSP-

IP-

(WDR),

3D,  
(ROI),

(BLC), ePTZ,  
, a

" "

SD,

AiP

Full HD IP

JPEG

FTP.

AirPlay

: 2-

H.264,

DSP,

ONVIF,

PoE.

AIM Software HD 2.6 (

) IP-

Full HD

IP.

- AiP
- Full HD
- H.264 JPEG
- 15
- 3
- « »
- " " (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 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.

•

•

•

•

10 c

•

•

•

•

•



1	.....	8
2	AiP .....	9
2-1	IP- IPScan .....	9
2-2	IP HTML .....	10
2-3	.....	10
2-4	.....	12
3	AiP .....	13
3-1	HTML AiP .....	13
3-2	AiP .....	13
3-2-1	ePTZ .....	14
3-2-2	« » (ROI).....	15
3-2-3	.....	15
3-2-4	.....	16
3-2-5	.....	16
3-3	.....	18
3-3-1	.....	18
3-3-2	.....	19
3-3-3	.....	20
3-3-4	.....	21
3-4	.....	22
3-4-1	.....	22
3-4-2	DHCP .....	23
3-4-3	HTTP & RTSP .....	24
3-4-4	SMTP .....	24
3-4-5	FTP .....	25
3-4-6	DDNS .....	26

3-5		27
3-5-1		27
3-5-2		28
3-5-3		28
3-5-4	(MoonLight)	30
3-5-5		31
3-5-6	(ROI)	31
3-6		33
3-7	SD	33
3-7-1	SD	33
3-8		35
3-8-1	/	35
3-8-2		35
3-8-3		36
3-8-4		37
3-8-5		38
3-8-6		38
3-9		39
		40
	DDNS PPPoE	40
		41
	iPhone	41
	Android	42
		43
		43
		44





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.

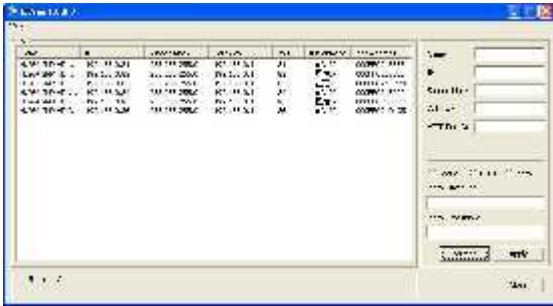
### 2-1

### 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-

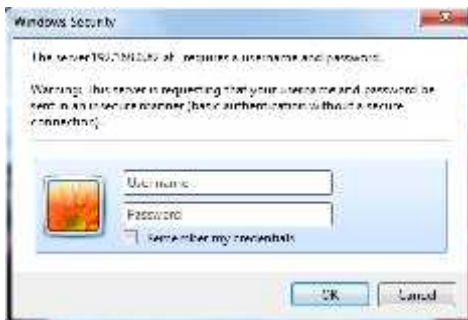
OK,

H.264 FULL HD

ActiveX

AiP

AiP



	admin	
	pass	

AiP

### 3

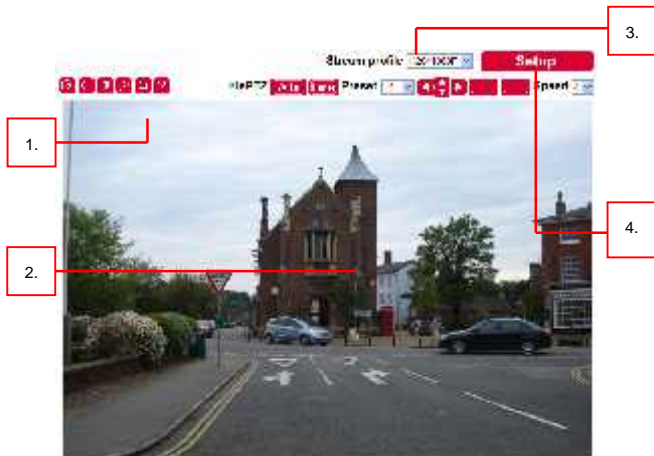
### AiP

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



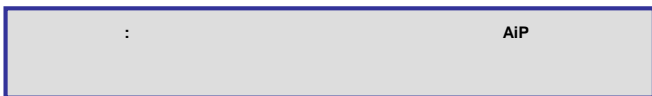
3-2-3

	:
	: ( ).
	: ( ).
	( ).
	ePTZ ROI
	ePTZ ROI



Presets /	ePTZ    ROI
	,
	ePTZ    ROI.
Speed /	PTZ

3-2-4



3-2-5

ActiveX.

ePTZ    ROI



AVI-

Player.



Windows Media

3-3

AiP

HTML.

3-3-1

AIP-

H.264 FULL HD

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
- SMTP

“Send” ( ), SMTP, SMTP.

### 3-4-5 FTP

FTP

FTP.



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

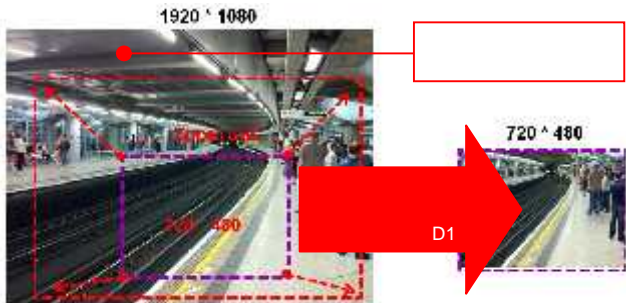
(ROI)

(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	Port
201-02-27	192.168.1.1	201-02-27	192.168.1.1	80
201-02-27	18.20.30	201-02-27	18.20.30	80
201-02-27	18.20.30	201-02-27	18.20.30	80
201-02-27	18.27.30	201-02-27	18.27.30	80
201-02-27	18.52.30	201-02-27	18.52.30	80
201-02-27	18.55.30	201-02-27	18.55.30	80
201-02-27	18.54.30	201-02-27	18.54.30	80
201-02-27	18.52.30	201-02-27	18.52.30	80
201-02-27	18.52.30	201-02-27	18.52.30	80
201-02-27	18.51.30	201-02-27	18.51.30	80
201-02-27	18.50.30	201-02-27	18.50.30	80
201-02-27	18.49.30	201-02-27	18.49.30	80
201-02-27	18.48.30	201-02-27	18.48.30	80
201-02-27	18.47.30	201-02-27	18.47.30	80
201-02-27	18.46.30	201-02-27	18.46.30	80
201-02-27	18.45.30	201-02-27	18.45.30	80
201-02-27	18.44.30	201-02-27	18.44.30	80
201-02-27	18.43.30	201-02-27	18.43.30	80
201-02-27	18.42.30	201-02-27	18.42.30	80
201-02-27	18.41.30	201-02-27	18.41.30	80

3-8

AIP- H.264 FULL HD

FTP-

3-8-1

AIP- H.264 FULL HD

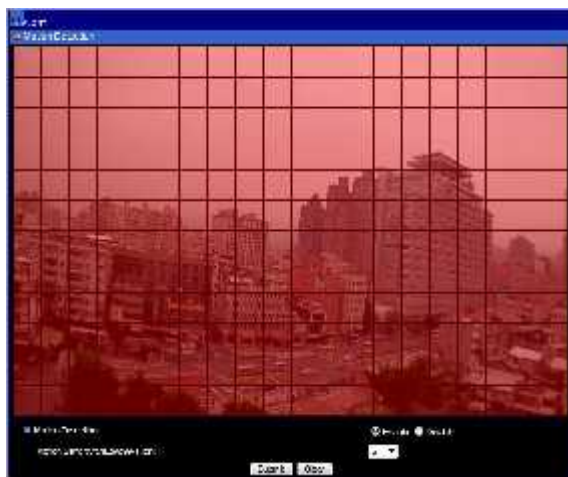
1 99 ( ).  
AIP- H.264 FULL HD

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 ( ).



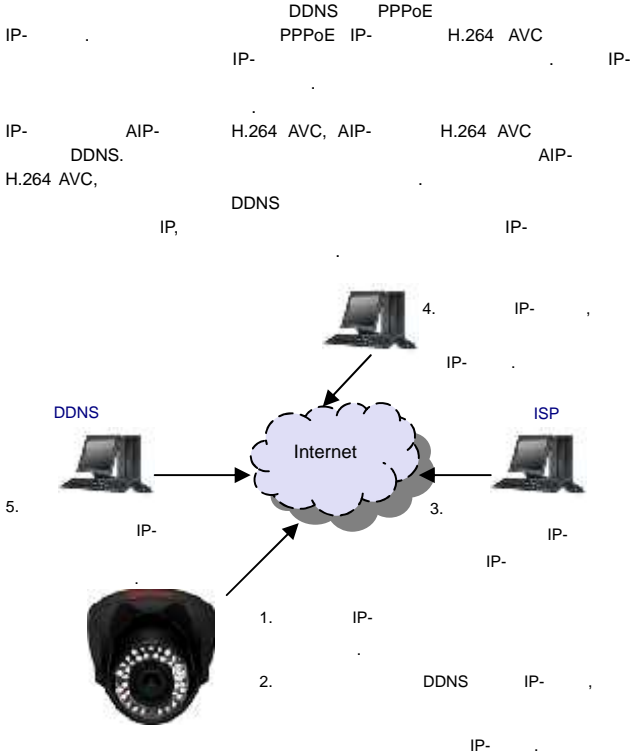
### 3-9

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

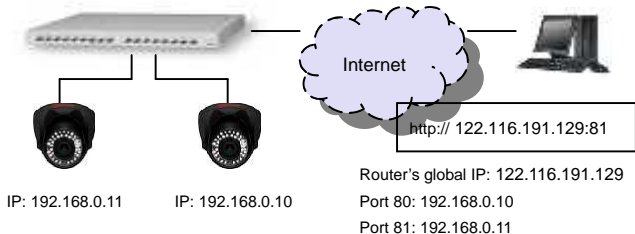




## DDNS PPPoE



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

Pro

Eggman Technologies Inc.

Live Cams



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



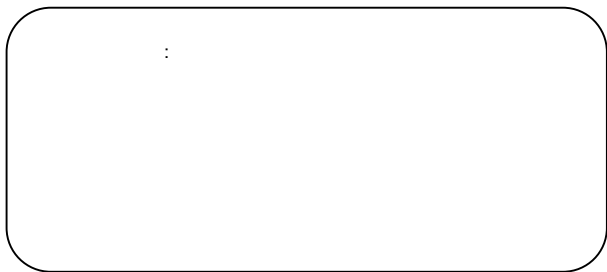
- « »
- « ».
- “ / AiP ” -
- AiP
- “ / AiP ”
- :
1. : AiP DVR
  2. : , AI.
  3. : , AI D1/ AI HD/AI DVR.
  4. IP : IP- , <http://122.116.191.129:86>
- 86-
5. AiP
- “admin” “pass”. DVR,
- “admin” “1111”.

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, 1080P(1920 x 1080), 720P(1280 x 720), D1(720 x 480), CIF(352 x 240)
	H.264: 1920x1080 15 , MJPEG: 720x480 30 H.264: 1280x720 30 , MJPEG: 352x240 30 H.264: 1920x1080 15 , MJPEG: 1280x720 30
	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
	2 , G.711 ( / : 1.4 Vp-p , 50 K , 3.5mm phone jack)
	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



AirPlay

AiP