Zavio B5110 Quick Installation Guide

Please follow the installation steps below to set up your B5110 Outdoor 15M IR IP Camera.
Check the package contents against the list below. See P.1
Physical overview. See P.1
Install the hardware and connect all cables. See P.2
Microsoft OS: Use the software CD to install Intelligent IP Installer. See P.2
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Mac OS using Safari Browser. See P.5
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Use IP Camera via Mobile Phone. See P.6
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Access to Internet via Static IP, Dynamic IP or both. See P.8
Application of IP Camera. See P.10
For more information, please check the User Manual available in the Software CD or you can download the latest

software from http://www.zavio.com

Package Contents

Camera	B5110 Outdoor 15M IR IP Camera		
Quick Installation Guide	Brief product information and quick installation		
Software CD	IP Surveillance Software		
	Intelligent IP Installer		
	User Manuals		
	Language Packs		
Mounting Bracket	Three screws, Lock ring, Brace, and Base plate		
Adaptor	12V DC, max 12W		

Physical overview



Reset: When the device is empowered, press the Reset Button to reboot the device, or hold the Reset Button for 10 seconds to set the settings back to factory default.

Install the hardware and make all cable connection

a. Wall mounting and Ceiling mounting

- 1. Use the 3 supplied screws to fix the base plate to a flat surface.
- 2. Loosen the lock ring to adjust the desired angle of the camera.
- 3. Tighten the lock ring.





b. Connect all cables

b1. Power over Ethernet (PoE)

1. Using a standard RJ-45 network cable, connect the IP Camera

to a PoE-enabled Hub / Switch / Router

b2. Without Power over Ethernet (PoE) connection

- 1. Connect the power adaptor to the IP Camera.
- 2. Using a standard RJ-45 network cable, connect the IP Camera

to a normal Hub / Switch / Router.



Note:

- 1. If not necessary, please don't open the housing to avoid moisture invading inside.
- 2. In case of needing to open the housing, please restore in 5 minutes.
- 3. If fog appears on the lens, please open the cover of IP CAM and expose it in the dry environment between 50~70°C around 2 hours to dry the wetted inside.

Microsoft OS:Use the software CD to install Intelligent IP Installer

Power on your PC and insert the CD-ROM. The setup page will show up automatically. Please follow those steps below to install the firmware.

Select "Intelligent IP Installer" and follow the installation process to complete the installation.

	- x
IP Camera Installation Menu	
IP Surveillance Software	
IP Surveillance Software Pro Trial	
Intelligent IP Installer	
User Manuals	
Language Packs	
	ogy Innovator

Access the IP Camera using Intelligent IP Installer

- 1. Before using Intelligent IP Installer, please check two setting.
- a. Browser's Internet Properties \rightarrow Security
 - \rightarrow Default Level
- Internet Properties ? X General Security Privacy Content Connections Programs Advanced Select a zone to view or change security settings. See 🗸 \bigcirc Internet Local intranet Trusted sites Restricted sites Internet This zone is for Internet websites, except those listed in trusted and restricted zones. Security level for this zone Allowed levels for this zone: Medium to High a reverse for this zone: measure to high Appropriate for most websites - Appropriate for most websites - Prompts before downloading potentially unsafe content - Unsigned ActiveX controls will not be downloaded ÷ Custom level... Reset all zones to d
- b. Browser's Internet Properties → Privacy
 → Uncheck **Pop-up Blocker**



2. Click the Intelligent IP Installer Icon on your desktop. The main page will show up listing all active camera and video server devices. Select the relevant IP camera from the list and click **Link to IE**.

Camera 🕒 Use UPnP device list	r 🖸 About					
Name	IP Address	MAC Address	Mod. Name	Mod. ID	T	Potun
🔛 Video Server	10.0.0.32	004025111111	1 Port Video Conver (Two way audi	V111T		Setup
I Andeo Server	10.0.0.31	0011BC214576	1-Port Video Server (Two way audi	V111T	1	
💶 Network Camera	10.0.0.40	001BFE002510	Fixed IR CMOS Camera (Two way	F312A	1	Upgrade
Manual Camera	10.0.0.34	0040251681A9	Fix CMOS Camera (Two way audio)	F210A		
C Network Camera	10.0.0.45	UUTBFE UU66UA	Fixed In LMUS Camera I wo way	F312A	34	Factory default
Video Server	10.0.0.56	001BFE001BFE	1-Port Video Server (Two way audi	V111T	_	
C Network Camera	10.0.0.41	001167538721	Fixed IR CMOS Camera (Two way	F312A	da	Rehoot
C Network Camera	10.0.0.30	008414430000	Fixed IB CMOS Camera (Two way	F312A		Repoor
Network Camera	10.0.0.18	001812435421	Fixed IB CMOS Camera (Two way	E312A		
a Search	Link to IE					

Connect to 10	.0.0.56			? 🔀
			G	
User name: Password:	2			
		nember my p	assword	ancel

3. Enter your Username and Password

to login to the IP Camera.

(Default is admin / admin)

4. When accessing the IP Camera for the first time, a yellow information bar appears below the address bar: This website wants to install the following add-on: 'AxvideoView.cab from 'Zavio Inc'.

P CAMERA Viewer - Windows Internet Explorer	
() - [] http://10.0.0.40/	🖌 🛃 🗶 Live Search
😪 🎄 🚺 IP CAMERA Viewer	🏠 🔹 🗟 🚽 🔂 Page 🔹 🎯 Tools 🔹
This website wants to install the following add-on: 'AxVideoView.cab' from 'ZAVIO Inc.'. 1	if you trust the website and the add-on and want to install it, click here
ZAVIG	
Setting	
Client setting	
Image setup	

5. Click the information bar, and select Install ActiveX control.

🖉 IP CAMERA Viewer - Windows Internet Explorer		
() + The second	🖌 🗲 🗙 Live Search	P-
😭 🏟 🔯 IP CAMERA Viewer	👌 • 🔊 🖕 •	🔂 Page 🔹 🎯 Tools 👻 🎇
🕐 This website wants to install the following add-on: 'AxVideoView.cab' from 'ZAVIO Inc.'. If you trust the website an	d the add-on and want to install it, clic	khere 🗙 🗙
7/1/16	1	Install ActiveX Control What's the Risk?
		More information
Setting		
Image setup		=

6. Click Install ActiveX.

🖉 IP CAMERA Viewer - Windows Interne	t Explorer	
() - [] http://10.0.0.40/		V 4 X Live Search
IP CAMERA Viewer		🏠 🔹 🔂 🛛 🖶 🕈 📴 Page 🗸 🍈 Tools 🗸 🎽
ΖΛΥΙΘ		
Setting Client setting Image setup	Internet Explorer - Security Warning Do you want to install this software? Name: AxVideoView.cab Publisher: ZAVID Inc. More options In While files from the Internet can be useful, this f your computer. Only install software from publist	stall Don't Install le type can potentially harm rers you trust. What's the risk?

7. Live video displays in the centre of your web browser.



Mac OS using Safari Browser

1. Select Safari icon



2. Click **Bonjour function** and select the camera you wish to access.

File Edit View History	Bookmarks Window Help		
< > C + 🚱	Go to this address	• Q+ Google	
(RB) Apple Yahool G	oogle Maps YouTube Wikipedia News (89) * Popular *		
COLLECTIONS I Bookmarks Menu Bookmarks Menu Collection O Hotoor Collection Massime Mas	Bodonań: Stowe teniyow Stowe teniyow Zarów obi HE001305 Zarów obi HE001305 Zarów ofiCan V Zarów VIT	(q.	
+			

3. Enter name and password to login to the IP



camera. (**Default is admin / admin**)

4. The monitor image will be displayed in your browser.



Change lighting environment setting

The default setting of lighting environment is **Auto**. However, you may also select 50 or 60 Hz upon the lighting environment of your country.

Go to	"Setting \rightarrow	Basic \rightarrow	Camera -	> Advance"	, choose the environ	ment setting yo	ou wish
	0				,		

SETTING	
BASIC	Advance
El Sustam	White Balance Auto
System	Lighting Auto 🔽
Camera	Exposure mode
General	50Hz light compensate
H.264	STOW shutter
MPEG4	Bad pixel compensate 🔘 On 🔘 Off 💿 Auto

Change the Web Interface into your preferred language

Use the settings screen to set the language of the Web Interface.

Go to "Setting \rightarrow Basic \rightarrow System \rightarrow Language".

- 1. Insert Software CD into your CD-ROM.
- 2. Browse and select the preferred language from language pack in the Software CD and then click OK.
- 3. The web interface will change into your preferred language.

SETTING	Language
S BASIC	Upload language pack Browse OK
🍼 System	Language : English
Information	
Date/Time	
Initialize	
Language	

Use IP Camera via Mobile Phone

<u>1. Using IP Camera via iPhone</u>

Select Safari function \rightarrow Enter IP address in the web link \rightarrow enter username and password (**default value admin/admin**) \rightarrow The Zavio user interface and Live Image will show up in the middle of the screen.

2. Mobile phone viewing

a. 3G Mobile Phone Streaming Viewing

For 3G mobile phone viewing, please type "**rtsp:**//**<IP>:<PORT>/video.3gp**" into your 3G web media player. <IP> is the IP address of your IP camera;

<PORT> is the RTSP port of your IP camera (Default value is 554.)

Example: rtsp://100.10.10.1:554/video.3gp

b. 2.5G Mobile Phone Viewing

b1. WAP viewing

For 2.5G WAP mobile phone viewing, type "http://<IP>/mobile.wml " into your 2.5G web browser.

b1. Browser viewing

For 2.5G mobile phone browser viewing, type "http:// <IP>/mobile.htm " into your 2.5G web browser.

Windows Live Messenger Setting

Live video of the IP Camera can be displayed using Microsoft Live Messenger, whilst providing its public IP address to users for access via the web browser. This feature is useful especially when the IP addresss of the camera is dynamically assigned.

If you wish to set up MSN Messenger, enter the camera's setting page.

Go to "Setting \rightarrow Basic \rightarrow System \rightarrow Network \rightarrow Messenger", set the Messenger option "On"

1. Create a new MSN Messenger account (e.g.: Camera at home) for the IP Camera

2. Enter the new MSN Messenger Login account and password within the designated boxes.

3. If your router has firewall function, you have to set the **Port Range** on this setting page in accordance with the one of firewall.

4. Choose the **Video Mode**, decide the live view image of messenger received from Computer View (MPEG-4) or Mobile View (3GPP).

5. Under the **IP Notification Option**, click **"On"** to enable IP notification to the users.

- 6. Under the **Privacy** Option, Click "On" to create an allow list.
- 7. Use your existing account to login to MSN Messenger.
- 8. Add the new MSN Messenger account (e.g.: Camera at home) to your contact list.

SETTING	🖩 Messenger 💿 On 🔘 Off
S BASIC	Protocol
🍉 System	konin Account
🅑 Camera	
Network	Password
Information	Restype password
PPPoE	Alias
DDNS	Port range (1024 ~ 65531) ~ 14000 (1028 ~ 65535)
DPnP	Video mode O Computer view Mobile view
IP Notification	IP Notification On O Off
Messenger	Privacy 💿 On 🔘 Off
Security	User r5400@msn.com
Advanced	Add Remove
	Its400@msn.com
	Allow list

9. The IP Camera will send you a message with its Public IP and Private IP if the IP Notification Option is enabled.10. Click on the small camera icon. Then, choose "View a new contact's webcam".





11. The IP Camera automatically accepts your invitation and its live video is displayed.



12. Click **Action** button and choose **Start control panel** to use control panel



13. You can use **Snapshot and Image Setup** function via MSN add-in control panel.



Access to the Internet

a. Internet connectivity of the IP camera can be established by inputting the cameras IP information within the **Information section**.

🕏 номе	MAC address 00:1B:FE:00:6B:E6				
SETTING	 Obtain an IP address automatically (DHCP) 				
S BASIC	 Use the following IP address 				
🅑 System	IP address 10.0.0.60				
🕑 Camera	Subnet mask 255.255.255.0				
S Network	Default gateway 10.0.0.1				
Information					
PPPoE					
DDNS	• Use the following DNS server address				
UPnP	Primary DNS server 168.95.192.1				
Bonjour	Secondary DNS server 168.95.1.1				
IP Notification					
Wireless	□ HTTP port number				
Messenger	OK Cancel				
Security					
Advanced					

(Please go to **Setting** \rightarrow **Basic** \rightarrow **Network** \rightarrow **Information**)

b. Internet Connectivity of the IP Camera can be established through PPPoE (Point-to-Point Protocol over the Ethernet) by inputting the username and password from your Internet Service Provider (ISP) within the **PPPoE** section.

(Please go to Setting \rightarrow Basic \rightarrow Network \rightarrow PPPoE)

Note 1: Please reboot the IP Camera, after changing the PPPoE settings.

Note 2: Please turn on the DDNS and IP Notification function when using PPPoE.

🕲 ном	E	□ PPPoE ⊙ On ⊖ Off	-							
SETTING	1	IP address	0.0.0.0							
🕑 BAS	IC	User ID	71959519@hinet.net							
🕑 s	ystem	Password	•••••							
🕑 c	amera	Re-type password	•••••							
Network Information PPPoE		 Obtain DNS server address automatically Use the following DNS server address 								
								DDNS		
								UPnP		
	IP Notification									
	Wireless									
	Messenger	OK Cancel								
🕑 s	ecurity									
Adv	anced									

c. Internet Connectivity of the IP Camera can be established if your router is UPnP (Universal Plug and Play) enabled. The IP camera is automatically detected and added to "My Network Places" on your computer. *Please note that only Home Routers manufactured after 2006 support the UPnP function.*

c1. If your router is a UPnP Internet Gateway Device (IGD), turn on the **UPnP function** within the UPnP section. (Please go **Setting** \rightarrow **Basic** \rightarrow **Network** \rightarrow **UPnP**)

Note: If you turn on the UPnP Port Forwarding function, RTSP (Real Time Streaming Protocol) Port information will change to the illustrated value below.

D HOME	
	□ UPnP ④ On ◎ Off
SETTING	Turn On UPnP port forwarding
S BASIC	HTTP port
System	SSL Port
🅑 Camera	MPEG4 viewer port 8090 (1024 ~ 65535)
Network	MPEG4 viewer port(SSL) 8091 (1024 ~ 65535)
Information	MIPEG viewer port 8070 (1024 ~ 65535)
DDNS	
UPnP	MDFC4 DTSD port
IP Notification	
Wireless	Computer view 8050 (1024 ~ 65535)
Messenger	Mobile view 8030 (1024 ~ 65535)
Security	
Advanced	OK Cancel

c2. If your router is not a UPnP Internet Gateway Device, please setup Port Forwarding or Port Mapping
 Note 1: Home Routers manufactured before 2006 do not support UPnP IGD function.
 Note 2: Enterprise Routers do not support UPnP IGD function.

	SYS [®] Systems, Inc.						Firmwa	re Version: v1.51.2
A	Applications & – Gaming		Wireless-N Broadband Router WRT300N V1.1					
Applicat Gam			Wireless	Secu	rity Acces Restriction	s Applications & ons Gaming	Administration	Status
		Single Port Forw	arding F	Port Range F	orwarding P	ort Range Triggering	I DMZ I Qu	s
Single Port	Forwarding							*
Appli	cation Name	External Port	Internal Port	Protocol	To IP Address	s Enabled	Help	
	HTTP -			l [[192 . 168 . 1. 51			
	FTP 💌		1	i i	192.168.1.100			
	None 💌		- Antonia	I	192 . 168 . 1. 0			
	None 💌			(i (192.168.1.0			
	None 💌			<u> </u>	192 . 168 . 1. 0			
NAS		5150	5150	Both 💌	192 . 168 . 1. 100	N N		
NAS2		5160	5160	Both 💌	192.168.1.100			
13247		13247	13247	Both 💌	192 . 168 . 1. 10	N		
514		514	514	Both 💌	192.168.1.10	V		
5900		5900	5900	Both 💌	192 . 168 . 1. 10	N		
2000		2000	2000	Both 💌	192.168.1.50			
	7	0	0	Both 💌	192 . 168 . 1. 0			
	1	0	0	Both 💌	192.168.1.0			
		0	0	Both 💌	192 . 168 . 1. 0			
		0	0	Both 💌	192.168.1.0			

Application of IP Camera



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