

EduCam360 Camera Setup

Panasonic WV-SF448

This document will take the reader through the process of setting up the Panasonic WV-SF448 (EduCam360) Camera for the first time. Setting up the VIEWPath streams will be covered in a separate document.

This document assumes the reader knows how to set the IP address on their computer to static and DHCP address.

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Getting Started

To complete this task you should have the following:

- EduCam360 Setup Template (Excel File) Including IP Address for the camera(s) and all
- network informationEasyIPSetup.exe

•

- Computer running Internet Explorer 9
- EduCam360 Camera attached to the Network

Locating the Camera on the Network

- 1. Locate EasyIPSetup.exe on your local computer
- Double Click the exe file to launch the application NOTE: An alert warning may appear on the screen

 Note the IP address assigned to the camera, this will be required to access the camera's web interface



			Camera list			About this softwar
No.	MAC Address	IPv4 Address	Port No.	Camera Name	Model	IPv4 overlap
1	08-00-23-9B-92-AB	192.168.0.113	80	WV-SF448	SF448	
		I				
		Natwork Cattings	Access Cam	era		

Configuring the Camera Network Settings

- 4. Open the EduCam360 Setup Template excel file for the job.
- Locate the room where this camera will be assigned – Column C



- 6. Open Internet Explorer
- Type the DHCP address noted in <u>Step 3) Locating the Camera on</u> <u>the Network)</u> then click Enter
- Click the Allow once button to allow the Camera interface to load.



 Click the Allow button for the Panasonic Web Audio feature to be enabled on the browser

> NOTE: If desired, click the down arrow on the Allow button and select Allow for all websites





10. Click the Setup button located in the left menu.



11. Type the camera credentials into the camera to access the setup area

User name = admin Password = 12345



12. Click the OK button

13. Click the Network button in the left menu



- 14. Set the following:
 - a. Network Settings Static

VV-S

- b. IP address Column E
- c. Subnet mask Column F
- d. Default gateway Column G
- e. DNS Manual

f. Primary Server – Column H
g. Secondary Server – Column I
Leave all other settings to
defaults

15. Click the Set button under IP address section

camera 138	WV-S	SF438					
Setup		Network	DDNS	SNMP	FTP img.	trans.	
octup							
		IPv4 network					
tup menu		Network Setting	js	Static			
Basic		IP address(IPv	4)	192 .	168 . 0	. 45	
age/Audio		Subnet mask		255 .	255 . 255	. 0	
Iti-screen		Default gatewa	v	192 .	168 . 0	.1	
Alarm		DNS		Auto		Manual	
age/Audio		Primary server	address	192	168 0	. 1	
lti-screen		Secondary sen	ver address	8	8 8		
Alarm age/Augio							_
Iti-screen		IPv6 network					
		Manual		On	(© Off	
age/Audio		IP address(IPv	6)				
lti-screen		Default gatewa	y				
Alarm		DHCPv6		On	(Off	
age/Audio		Primary DNS s	erver address				
lti-screen		Secondary DN	3 server address				
Alarm age/Audio		Common					
lti-screen		HTTP port		80	(1-65535)		
Alam		Line speed		Auto			
age/Audio		Max RTP pack	et size	Onlimite	ed(1500bvte)	C Limited(128	30bvte)
ilti-screen		HTTP max seg	ment size(MSS)	Unlimited(1460byte) 👻		
Alarm			This Onel				
age/Autio			This Offe:		Set		
lti-screen		UPnP					
Alarm age/Audio		Auto port forwa	rdina	0.00		01	
lti-screen		Camera short o		0 On		0 Off	
Alarm		Camera Shorre				00	
ige/Audio					Set		
lti-screen		HTTPS					
Alarm age/Augio		CRT key gener	ate	Execute	ו		
Iti-screen		, 3	Generate	Execute	<u> </u>		
Alarm		Self-signed Certificate	Information	Not genera	led		Confirm Belete
age/Augio			Generate Certificate	Execute			
Iti-screen			Signing Request	(mentionite)			
Alarm		CA Certificate	CA Certificate install				Browse
			Information	Invalid			Gonfirm Delete
nu-screen		Connection		HTTP -	1		
Alarm		HTTPS port		443	(1-65535)		
Iti-screen					(. 00000)		
Alarm					Set		
anced func.		FTP access to	camera	C Allow		Forbid	
ser mng.							
Server					Set		
Jatwork		Bandwidth cont	trol(bit rate)	Unlimited	•		
chedule					Set		
Intenance		Easy IP Setup	accommodate period	20min	(DUnlimited	
					Set		
				-			

16. Click the Ok button



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- 17. Close all web browser windows.
- Open a new instance of Internet Explorer, type in the static IP set in <u>Step 16 Part B</u>



19. Click the Setup button located in the left menu.



20. Type the camera credentials into the camera to access the setup area

User name = admin Password = 12345



21. Click the OK button



Configuring DDNS

- 22. Click the Setup Tab in the left menu
- 23. Click the Network button in the left menu

24. Select the DDNS tab in the main

25. Click the drop arrow in the DDNS field, select Dynamic DNS Update

 Copy and paste the DDNS name in the Host name field from the spreadsheet. – Column K

body

(DHCP)

27. Click the Set button

http://192.168.0.112/admin/index	.html?Language=0			2
Network Camera WV-SF438	WV-SF438			
Live Setup	Basic SD	memory card	Log	1
	Camera title		WV-SF438	
Setup menu		Date/time	28 • / 05 • / 2013 • 12 •: 42 •: 18 •	
Basic		Time display format	24h •	
Image/Audio		Date/time display format		в
Multi-screen	Time & date	Summer time (daylight saving)	Out 💌	
Alarm		NTP/Time zone	NTP>>>	
Advanced func.		Start time & date	Month Day Time 03 * Last * Sun * 1 * AM *	
User mng.		End time & date	Month Day Time 10 v Last v Sun v 1 v AM v	ľ
	Camera title on scree	en	⊙ On	
Network		Ch1		
Schedule	Camera title on	Ch2		
Maintenance	(0 – 9,A – Z)	Ch3		
		Ch4		
	OSD	Position	Upper left •	÷
Network Camera WV-SF448 VP	Room 360			
Live Setup Network DDNS SNMP FTP ing, trans.				
	DDNS		Dynamic DNS Update(DHCP)	
Setup menu	Host name		GALRoom1-101C.domain.com	
Basic			Set	
Image/Audio				
Multi-screen				
Alarm				
User mng.				
Server				
Network				

Name Camera & Complete Spreadsheet

- Set Camera Title (Copy text from Camera Name located in Column J of the Spreadsheet)
- 29. Verify Date/Time are set correctly to **local** time
- 30. Verify Time display is set to 24h31. Verify Daylight Savings is set
- correctly NOTE:
 - Set to "IN" for states participating in Daylight Savings.
 - Set to "OUT" for states NOT participating in Daylight Savings.
- 32. Click the Set button at the bottom of this section
- 33. Click the Maintenance button in the left menu





34. Click the Upgrade Tab



- 35. Copy the MAC address from the camera interface and paste it to the spreadsheet Column L
- 36. Copy the Serial Number from the camera interface and paste it into the spreadsheet Column M

WV-SF438	IP ROOM 360			
Live Setup	System log Upgrade Stat	us Default reset		
	Model no.	WV-SF438		
Setup menu	MAC address	08-00-23-9C-5C-CE		
Basic	Serial no.	LLV14523		
Image/Audio	Firmware version	1 Application : 1.01 2 Image data : 1.08		
Multi-screen	IPL version	1.00		
Alarm	HTML version	ENG 2.00		
Advanced func.	IP address(IPv6) Linklocal	fe80::a00:23ff.fe9c:5cce		
User mng.	Static			
Server	RA			
Network				
Schedule				
Maintenance	DHCPv6			
	Viewer software installation counter	6		
		Proven		





Configure E-mail, FTP & NTP

38. Click the Server button in the left menu

	T T			
Live Setup	System log U	pgrade Stat	us Default reset	
	Model no.		WV-SF438	
Setup menu	MAC address		08-00-23-9C-5C-CE	
Basic	Serial no.		LLV14523	
Image/Audio	Firmware version		1 Application : 1.01	
			2 Image data : 1.08	
Multi-screen	IPL version HTML version		1.00 ENG 2.00	
Alarm				
Advanced func.	IP address(IPv6)	Linklocal	fe80::a00:23ff:fe9c:5cce	
User mng.		Static		
Server		RA		
Network				
Schedule				
Maintenance		DHCPv6		
	Viewer software ins	tallation counter	6	

Server | Email Tab

- 39. Click the E-mail tab
- 40. Copy and paste the following from the spreadsheet:
 - a. SMTP Server (Column N) STMP Server address
 - b. SET TYPE SMTP
 - c. SMTP User Name (Column O) – User Name
 - d. SMTP Password (Column P)
 SMTP Password
 - e. Sender Email Address (Column Q) – Sender's Email address
- 41. Click the Set button
- 42. Click the FTP Tab

Server | FTP Tab

- 43. Copy and paste the following from the spreadsheet:
 - a. MS-1000 (Camera FTP Server) (Column R) – FTP Server Address
 - b. User Name (MS-1000 Camera FTP (Column S) – User Name
 - c. Password (MS-1000 Camera FTP) (Column T) – drmdrm
 - d. SET FTP mode to Passive
- 44. Click the Set button
- 45. Click the NTP Tab

Server | NTP Tab

- 46. Click the radio button next to Synchronization with NTP Server
- 47. Set NTP Server address setting to Manual
- 48. Copy and paste the Time Server address from the spreadsheet to the NTP server address (Column U) – Time Server
- 49. Set Time adjustment interval to 1h
- 50. Set Time Zone to local area
- 51. Click the Set button
- 52. Click the Alarm button in the left menu







Configure Camera Alarm

Alarm Tab |Alarm Section

- 53. Set Terminal 1 to Privacy action on alarm - Close (see image)
- 54. Set Terminal 2 to Alarm input Close (see image)
- 55. Command alarm Off
- 56. Click the Set button



Alarm Tab |Alarm image section

- 57. Alarm image FTP transmission On
- 58. Directory name / IMPORTANT PLACE a "/" in the field!
- 59. File Name Paste content from (Column V) - Cam Alarm FTP File Name, in the spreadsheet
- 60. Post alarm Transmission interval – 1
- 61. Number of images 1
- 62. Image Capture Set to smallest option
- 63. Image compression rate upon alarm detection On
- 64. Image quality upon alarm detection 0 Super Fine
- 65. Click the Set button

66. Click the Notification tab





Notification Tab

Email Notification Section

- 67. E-mail notification On
- 68. Alarm Image attachment On
- 69. Click the Set button

Destination of notification Section

- 70. Address 1 Alarm Check box, place a Check
- 71. Address 1 Destination E-mail address – Paste content from Column W in the spreadsheet
- 72. E-mail subject Paste content from Column X in the spreadsheet
- 73. E-mail body Paste content from Column Y in the spreadsheet NOTE: If the cursor "auto" enters to the next line, use the backspace button to remove the hard enter.
- 74. Click the Set button

HTTP alarm notification section

- 75. Place a check in the Alarm box for Address 1
- 76. Paste the SAFARI Server IP from the spreadsheet (Column Z) in the Address 1 field
- 77. Paste the HTTP Alarm String from the spreadsheet (Column AA) in the Notification data field
- 78. Click the Set button
- 79. Click the User mng. button in the left menu

work Camera /-SF448	VP R	oom 360			
live Setup		Alarm VMD area	Notification		
Setup menu		E-mail notification		<u>E-</u>	mail server >>
Basic		E-mail notification	© On	0 Off	
Image/Audio		Alaini inage allaciment	On		
Multi-screen				Set	
Alarm		Destination of notification	Alarm Diag	g. Destination E-mail address	
Multi-screen		Address 1		groupexample@somewhere.com	Delete
Alam		Address 2			Delete
Image/Augio		Address 3			Delete
Multi-screen		Address 4			Delete
Alarm Image/Audio		E-mail subject	The SAFAR	IN VP Room 360	om 360
Multi-screen		E-mail body	To view this	room, click this link http://admin:12345@192.168.0.4	15
Alarm Image/Augio					-
Multi-screen				Set	
Alarm					
Multi-screen		Panasonic alarm protocol notification	_		_
Alam		Panasonic alarm protocol Additional alarm area data	O On	© Off	
image/Augio		(VMD)	0 On	© Off (1-65535)	
Multi-screen		Retry times	2 -	(1-00000)	
Alarm Image/Audio				Sat	
Multi-screen				Jet	
Alarm Image/Augio		Destination of notification	Alarm Diaç	g. Destination server address	
Multi-screen		Address 1			Delete
Alarm		Notification per VMD area		On Off Alarm area N	lo. 1-
Image/Audio		Address 2			Delete
Multi-screen		Notification per VMD area		On Off Alarm area N	lo. 1
Image/Audio		Address 3			Delete
Multi-screen		Notification per VMD area		On Off Alarm area N	lo. 1
Alarm Image/Augio		Address 4			Delete
Multi-screen		Notification per VMD area		On Off Alarm area N	lo. 1
Alarm Image/Augio		Address 5			Delete
Multi-screen		Notification per VMD area		On Off Alarm area N	lo. 1 💌
Alarm		Address 6			Delete
Image/Audio		Notification per VMD area		On Off Alarm area N	IO. 1-
Alam		Address 7			Delete
image/Audio		Notification per VMD area		On Ott Alarm area N	IO. 1-
Multi-screen		Address 8			Delete
Image/Augio		Notification per VMD area		On Off Alarm area N	lo. 1 💌
Multi-screen				Set	
Alarm Image/Audio		HTTP alarm notification	Alarm		
Multi-screen		Address 1	V http://19	92.168.0.30	Delete
Alarm Image/Augio		User name Password			
Multi-screen		Notification data	/SAFAR	R/api/cameratrigger.php?id=VP_Room_360	Delete
Alarm		User name			Belete
Image/Audio		Password Notification data	/cgi-bin/	(comalarm.cgl?CMD=01	
Multi-Screen		Address 3	http://		Delete
		Password			
Server		Notification data Address 4	/cgi-bin/	/comalarm.cgi?CMD=01	Delete
Network		User name			
Schedule		Notification data	/cgi-bin/	/comalarm.cgi?CMD=01	
Maintenance		Address 5	http://		Delete
		Password			
Privacy		Notification data	/cgi-bin/	/comalarm.cgi?CMD=01	
				Set	

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- 80. User auth Tab
- 81. User auth On
- 82. Click the Set button



- 83. Copy the text from column AB to the user name field.
- 84. Copy the text from column AC to the Password and Retype password fields.
- 85. Click the radio button next to Administrator
- 86. Click the Set button



Configuring Camera Streams

87. Click Image/Audio in the left menu



 88. Image capture mode section, click the drop arrow and choose Double Panorama + Quad PTZ



89. Image capture mode section, click the Set button



90. Click the Ok button



- 91. H.264(1) Section, set the following:
 - a. H.264 transmission On
 - b. Internet Mode Off
 - c. Image capture size Double Panorama/1920x1080
 - d. Transmission priority Constant bit rate
 - e. Max bit rate 4096bps
 - f. Image Quality Fine(Image quality priority)
 - g. Refresh interval 1s
 - h. Transmission type Unicast
- 92. Click Set
- 93. H.264(2) Section, set the following:
 - a. H.264 transmission On
 - b. Internet Mode Off
 - c. Image capture size Quad PTZ/1280x960
 - d. Transmission priority Constant bit rate
 - e. Max bit rate 4096bps
 - f. Image Quality Fine(Image quality priority)
 - g. Refresh interval 1s
 - h. Transmission type Unicast
- 94. Click Set

Network Camera VP WV-SF438 VP	Room 360	
Live Setup	H.264(1)	
	H.264 transmission	● On Off
Setup menu	Internet mode (over HTTP)	On Off
Basic	Image capture size	Double Panorama/1920x1080 💌
image/Audio	Transmission priority	Constant bit rate 💌
Multi-screen	Frame rate*	30fps* 💌
Alarm	Max bit rate (per client) *	Max 4096kbps* 💌 - Min 4096kbps* 💌
Advanced func.	Image quality	Fine(Image quality priority)
User mng.	Refresh interval	15 💌
Conver	Transmission type	Unicast port (AUTO)
Server	Unicast port1(Image)	32004 (1024-50000)
Network	Unicast port2(Audio)	33004 (1024-50000)
Schedule	Multicast address	239.192.0.20
Maintenance	Multicast port	37004 (1024-50000)
	Multicast TTL/HOPLimit	16 (1-254)

WV-SF438 VI	P Room 360
Live Setup	H.264(2)
	H.264 transmission Off
	Internet mode (over HTTP)
Setup menu	Image capture size Ouad PTZ/1280x960 -
Basic	Transmission priority Constant bit rate
Image/Audio	Frame rate* 30fps* 💌
Multi-screen	Max bit rate (per client) * Max 4096kbps * Alin 1536kbps *
Alarm	Image quality Fine(Image quality priority) 💌
Advanced func.	Refresh interval
User mng.	Transmission type
Server	Unicast port1(Image) 32014 (1024-50000)
Network	Unicast port2(Audio) 33014 (1024-50000)
Schedule	Multicast address 239.192.0.21
Maintenance	Multicast port 37004 (1024-50000)
	Multicast TTL/HOPLimit [16] (1-254)
	> Set

95. Click the Image/Position Tab



- 96. In the Pop Up Window, verify the following settings: NOTE: It may be required to return to this screen to fine tune the camera once installed in the room.
 - a. Super Dynamic(SD) Off
 - b. Adaptive black stretch Off
 c. Back light compensation Off
 - d. Light Control mode ELC(1/30s)
 - e. AGC On(High)
 - f. Auto slow shutter Off(1/30s)
 - g. Day & Night Off
 - h. White Balance ATW1

97. Click Close

*Any changes are updated immediately				
Image adjust				
Super Dynamic(SD)	© On			
Adaptive black stretch	⊙ On			
Back light compensation (BLC)	⊙ On			
Mask area	Start End Reset			
Light control mode	ELC(1/30s)			
AGC	On(High)			
Auto slow shutter	Off(1/30s) 💌			
Day & Night(electrical)				
White balance	ATW1 Set			
Red gain	- + 128 Reset			
Blue gain	- + 128 Reset			
DNR	● High ○ Low			
Chroma gain level	- + + + 128 Reset			
Aperture level	- + + 16 Reset			
Pedestal level	- + + + + + 128			
	Close			

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98. Click the Audio tab



- 99. Set the following:
 - a. Audio transmission/reception -Mic input
 - b. Mic select External
 - c. Audio encoding format -G.711
- 100. Set Mic Input volume (Camera to PC) to Line High
- Click the Set button 101.

