## Samsung Video Security System SMO-151QN







# Products



## COLOR DUAL QUAD NETWORK OBSERVATION SYSTEM



# **System Configuration**

#### **Monitoring thru Network**

• Alarm or Detected Motion at a Place is Transmitted to Remote Viewer.



## **System Components**







Monitor	SMO-151QN	15inch Flat CRT	1 EA	
Camera	SOC-S120	Standard Camera	2 EA	
Camera	SOC-N120	Nightvision Camera	2 EA	

## **System Components**



Camera bracket	SBR-110	4 EA	
Ethernet cable		1 EA	6ft(1.8m)
VCR cable		1 EA	

## **System Components**



Installation Manual	-		1 EA	
Camera Cable	MCB-60	6pin shield cable	4 EA	60ft(18m)
Power Code	-		1 EA	
SCREW-TAPPING	-	-	8 EA	

## Supports all Network Connections.

- Plug & Play
- Easy and Simple installation. (Low installation cost).



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#### Network Dual quad Built in Monitor with 8 Camera



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#### Display mode : Single, Quad A / B mode, PIP, Sequence ,Freeze, Zoom(X2)



## • EZ VIEW SYSTEM

High quality observation system

- 15", 21" Monitor
- N/W Dual Quad built-in up to 8 Camera Input
- Remote Monitoring through Internet
- Record to User's own PC through Viewer
- Support Various Broadband Access
- Cable Modem, ADSL, LAN (Static & Dynamic IP)
- Display mode : Single, Quad A / B mode
- PIP, Sequence ,Freeze, Zoom(X2)
- AC 120V, 60Hz



## SOC-C120 Standard Camera

- Digital Color Camera for DIY
- 1/4" 320K Pixels Color CCD
- Horizontal Resolution : 330 TV Lines
- S/N: 48 dB, Min. illumination: 2 Lux
- Fixed Lens (focal length = 3.8mm)
- 2-Way Audio (Microphone, Speaker)
- Weather Resistant (IP42 Grade)
- Alarm Input (terminal from exterior equipment)
- Alarm Output (RJ-11 for DIY Monitor)
- DC12V (RJ-11 from DIY Monitor), 2W
- MCB-60(60ft cable), SBR-110(Mount Bracket)



## SOC-N120 Nightvision Camera

- Digital Color Camera for DIY
- 1/4" 320K Pixels Color CCD
- Horizontal Resolution : 330 TV Lines
- S/N : 48 dB
- Min. illumination : Normal : 2 Lux

Night mode : IR LED ON

- Fixed Lens (focal length = 3.8mm)
- 2-Way Audio (Microphone, Speaker)
- Weather Resistant (IP42 Grade)
- Alarm Input (terminal from exterior equipment)
- Alarm Output (RJ-11 for DIY Monitor)
- Light sensor Auto Switching IR LED Control 10pcs
- DC12V (RJ-11 from DIY Monitor), 2W
- MCB-60(60ft cable), SBR-110(Mount Bracket)





## **IP Router Configuration**



## **IP Router Configuration**



## **NETGEAR IP Router**

- Basic Settings : Adjust IP of the router
- Connect NETGEAR wizard page from local PC.



## **NETGEAR IP Router**

- Port Forwarding
- Adjust IP address and Port number of devices.
- Service Name : Input a proper name.
- Start and End Port : Select any number from 1024 to 65535.
- IP address : Adjust Local IP address.
- **Protocol** : TCP (Select protocol type depend on router)

	Setup Wizard	Port Forwarding / Port Trigg	iering			
	Setup Basic Settings Wireless Settings Content Filtering	Please select the service type • Port Forwarding • Port Triggering				
	Block Sites     Block Services     Schedule     E-mail	Service Name AIM Service Name	Server IP Add 192 . 168 Start Port	End Port Server IF	Address	
0	1	PC	10010	10010	192.168.1.20	_
0	2	SMO-150Q	10000	10000	192.168.1.10	
	Backup Settings     Set Password     Router Upgrade     Advanced     Wireless Settings	emules	Edit Service Delete	4711 192.1 Service	68.1.2	

# **NETGEAR IP Router**

#### Setting network of monitor

- NETWORK ACCESS : STATIC
- HTTP PORT : Port number such as selected port number in port forwarding.
- IP address : IP address such as selected IP address in port forwarding.



## **D-LINK IP Router**

I-624	D-Link Building Networks for People		High-Sp	Ai peed 2.4		MEG ess Router	71.8
	DI-624	Home	Advanced	To	ols Sto	atus H	elp
	Virtual Server Applications Fitters Firewall DMZ Performance	Virtual Server Virtual Server is Name Private IP Protocol Type Private Port Public Port Schedule	C Enabled C C Enabled C TCP I C Always C From time ( day S	ormet users : Disabled V (2) V (2) Sun : [00 Sun : to [	Clear Clear AM T to 00 Sun T	vices.   	
		Virtual Servers	List			Apply Cano	el Help
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						and the second second	1116.22
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		Virtual Serve	er FTP er HTTP	0.0.0.0	TCP 80/80	always always	
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## **D-LINK IP Router**

#### DSL 504

	g Entry	arotate	2		
Valid E	intry		2		Apply
The en	tries in g	ray color	are mapped	by UPnP.	
			Inter	rnet	Local
Index	State	Protocol	Start Port	End Port	Local IP Address
1	enabled	TCP	23	23	192.168.0.2
-				and the second se	A CONTRACT OF A CONTRACT.
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2 Select State Protoc	index t	o set 2	abled	Modin /arc	fy Delete Ciear
2 Select State Protoc	index t	o set 2 or set 2 or TC	abled	Modin Modin Anco port	fy Delete Clear
2 Select State Protoc nterno Stai	index t ol Port	o set 2 or TCP	abled	Modi Modi Anc	fy Delete Clear
2 Select State Protoc nterno Stai End	index t ol et rt Port	o set 2 or TCP TC TC 80 80	abled	Modif	fy Delete Clear

## **LINKSYS IP Router**

8						Wirele	ss-G Broad	dband Router	WRT54G
& Gaming	Setup	Wireless	Se	curity	Access	Ap & (	plications Gaming	Administration	Status
	Port Range F	orward	Port	Triggering	DMZ	1 90	oS		
Port Range Forward								Port Range Fo	rwarding:
			1	Port Range				Certain applicat to open specific	ions may requi : ports in order
	Application	Start	Ene	1 Proto	ol IP A	ddress	Enable	for it to function Examples of the	correctly. se application:
		0	to 0	Both	• 192.16	8.1.0		include servers online games. V	and certain When a reques
		0	to 0	Both	• 192.16	8.1.0		for a certain po the internet, the	rt comes in fro router vill rou
	-	0	to 0	Both	• 192.16	8.1.0	E.	specify. Due to	security
		0	to 0	Both	• 192.16	8.1.0		port forwarding	to only those
		0	to 0	Both	• 192.16	8.1.0		uncheck the En	ang, and able checkbo vicked
		0	to 0	Both	• 192.16	8.1.0		More	asres.
		0	to 0	Both	• 192.16	8.1.0			
		0	to 0	Both	• 192.16	8.1.0			
		0	to 0	Both	• 192.16	8.1.0			
		-					-		

# **SMC IP Router**

#### 7904BRA5

O System         O WAN         O WAN         O Wireless         O	w OLog
0 25/15	0
Status 1 192,165 2 101 TCP + 6002 6002 9 Add Ce	1
2 192 168 2 101 TCP ( 6583 6583 2 Add Ce	21
3 192 168 2 101 TCP 💌 6681 66851 🕑 Add Cle	21
4 192 168 2 101 TCP 💌 6684 6884 😥 Add Cle	an
5 192 168 2 101 TCP 🖌 6005-6993 6005-6993 🖓 Add Ce	an l
6 192 168 2 100 TCP 🧉 6681-6993 6681-6993 🕢 Add Cle	21
7 192 168.2 TCP 💌 🗌 🗌 Add Cle	14
8 192.168.2 TCP C Add Cle	an l
9 192 168 2 TCP 🖌 🗌 🗌 Add Cle	in
10 192 168 2 TCP C Add Che	au .
11 192 168 2 TCP C Add Cle	n
12 192 168 2 TCP V	n



- When you use dynamic IP, If you can't know router's IP address, connect the monitor by DDNS.
- http://wff0001.websamsung.net:10000
- ff0001 is lower 6 digits of MAC address.
- Input the port number after DNS.

#### http://168.219.13.232:10000

- Input the port number after IP address.
- Input "http://" before IP address.
- When you connect monitor with local PC, use local IP address.
- http://(monitor IP address):(port No).
- When you connect monitor with external PC,
- http://(router IP address):(port No.) or http://(domain name):(port No.).
- If you connect and use several devices in a router, even though you can connect, transmission speed is slow. sometimes it can't be connected.
- Port forwarding web page : <u>http://www.portforward.com</u>

• Specification.



• Q & A

## TROUBLE

#### **CHECK POINT**

• After power supply, the screen is all black.

• Check the power cable connection.

Check the camera output.

Check the connection
 between camera and monitor.

• Q & A : NETWORK

## TROUBLE

#### **CHECK POINT**

• Unable to connect the network through the internet.

 Check the LAN cable connection and your internet connection type. Match your internet connection type and your network setting. Check the IP address and DNS. (STATIC IP) check the ID and Password. (PPPoE) • If user change the HTTP port number except 80 port, attach the port number at the end of the IP address with colon.

• Q & A : NETWORK

# TROUBLECHECK POINT• Lost Network connection ID<br/>and Password.• During displaying the Menu,<br/>Press the Alarm reset button 3<br/>times .<br/>• The ID and Password will<br/>return to the initial default<br/>value.<br/>• Default ID is 'root' and<br/>Password is 'root'.

• Q & A : NETWORK

## TROUBLE

#### **CHECK POINT**

•When user set the network port, it is Error at 0 to 1024.

 Network ports are possible to set from 1025 to 65536 by default.
 Port is possible to use

•80 port is possible to use between 0 to 1024 port. It is default specification of this network board.

•Use a port between 1025 to 65536.

• Q & A : NETWORK

## TROUBLE

#### **CHECK POINT**

• Despite of connection, user can't see the image in the viewer.



The codec for MPEG4 is not installed in user's computer.
Click the Icon (Smart Viewer For Web Monitor) in Left Upper side for Download a S2NDWEB.exe file.
S2NDWEB.exe file downloading only needs to install at the first time when you are connect the web viewer. You don't need to install from 2nd time.

• Q & A : NETWORK

## TROUBLE

#### **CHECK POINT**

•User can't connect the network in the firewall.

• The reason is a firewall cut the ports to internet. To solve the this problem , modify the internet port in the Network setting and modify the firewall port. Ask network manager about the problem.

• Q & A : NETWORK

## TROUBLE

#### **CHECK POINT**

• Viewer pop up but it disappear immediately.

• If windows explore version is SP2 and popup blocker is enable, viewer disappear immediately.

- Windows explore recognize viewer is popup window.
- popup blocker must be unable.



# Thank you.