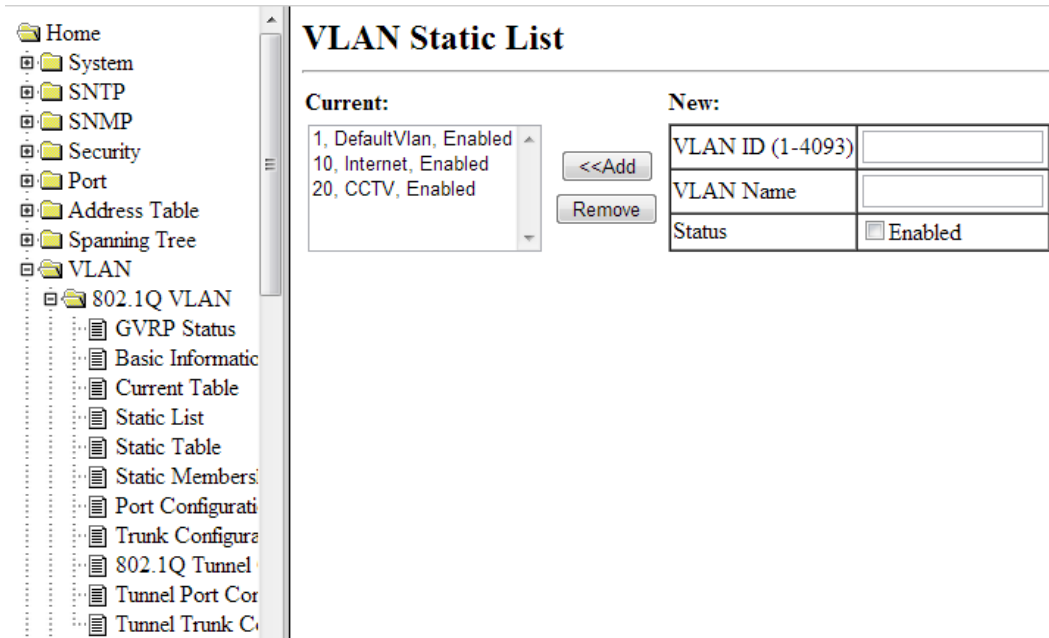


LevelOne GTL-2690 Routing Configuration

1. Create VLAN

- a. Go to VLAN > 802.1Q VLAN > VLAN static List
- b. Create VLAN 10 for Internet
- c. Create VLAN 20 for CCTV
- d. Click Apply



- e. Go to VLAN > 802.1Q VLAN > Static Table
- f. Assign port 1-4 to VLAN 10 > Click Apply
- g. Assign port 5-96 to VLAN 20 > Click Apply

VLAN: 10

Name	Internet
Status	<input checked="" type="checkbox"/> Enabled

Port	Tagged	Untagged	Forbidden	None	Trunk Member
1	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
2	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
3	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
4	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
5	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	

- h. Go to VLAN > 802.1Q VLAN > Port Configuration
- i. Assign PVID 10 to port 1-4
- j. Assign PVID 20 to port 5-96
- k. Click Apply

VLAN Port Configuration

Note : 2 x Join Timer < Leave Timer < LeaveAll Timer

Port	PVID	Acceptable Frame Type	Ingress Filtering	GVRP Status
1	10	ALL	<input type="checkbox"/> Enabled	<input type="checkbox"/> Enabled
2	10	ALL	<input type="checkbox"/> Enabled	<input type="checkbox"/> Enabled
3	10	ALL	<input type="checkbox"/> Enabled	<input type="checkbox"/> Enabled
4	10	ALL	<input type="checkbox"/> Enabled	<input type="checkbox"/> Enabled
5	20	ALL	<input type="checkbox"/> Enabled	<input type="checkbox"/> Enabled
6	20	ALL	<input type="checkbox"/> Enabled	<input type="checkbox"/> Enabled
7	20	ALL	<input type="checkbox"/> Enabled	<input type="checkbox"/> Enabled

2. Create Routing Interface

- a. Go to IP > General > Global Setting
- b. Enable IP Routing status > Click Apply
- c. Go to IP > General > Routing Interface
- d. Create Routing Interface on VLAN 10 > Click Set IP Configuration
- e. Click Apply

Routing Interface

VLAN	10
IP Address Mode	Static Primary
IP Address	192.168.254.200
Subnet Mask	255.255.255.0

- f. Create Routing Interface on VLAN 20 > Click Set IP Configuration
- g. Click Apply

Routing Interface

VLAN	20 ▾
IP Address Mode	Static ▾ Primary ▾
IP Address	172.16.0.254
Subnet Mask	255.255.0.0

Set IP Configuration

Remove IP Address

Restart DHCP

- h. Please Note* Please assign gateway 172.16.0.254 to IP Camera and Recorder.

3. Enable Routing Protocol

- a. Go to routing protocol > RIP > General Settings
- b. Enable RIP Routing Process
- c. Choose Global RIP Version to RIPV2 > Click Apply

General Settings

Global	
RIP Routing Process	<input checked="" type="checkbox"/> Enabled
Global RIP Version	RIPv2 ▾
Timer	
Update (15-60 seconds)	30
Timeout (Update*6)	180
Garbage Collection (Update*4)	120

- d. Go to routing protocol > RIP > Network Address
- e. Add Subnet Address 172.16.0.0 > Click Add
- f. Add Subnet Address 192.16.254.0 > Click Add
- g. Click Apply

Network Addresses

Current:	New:
<div style="border: 1px solid gray; padding: 5px;"> 172.16.0.0 192.168.254.0 </div>	<div style="border: 1px solid gray; padding: 5px;"> Subnet Address <input style="width: 100px;" type="text"/> </div>
<div style="text-align: center;"> <input type="button" value=" << Add"/> <input type="button" value=" Remove"/> </div>	

- h. Go to routing protocol > RIP > Interface Settings
- i. Setting VLAN 10 Interface > Click Apply

Interface Settings

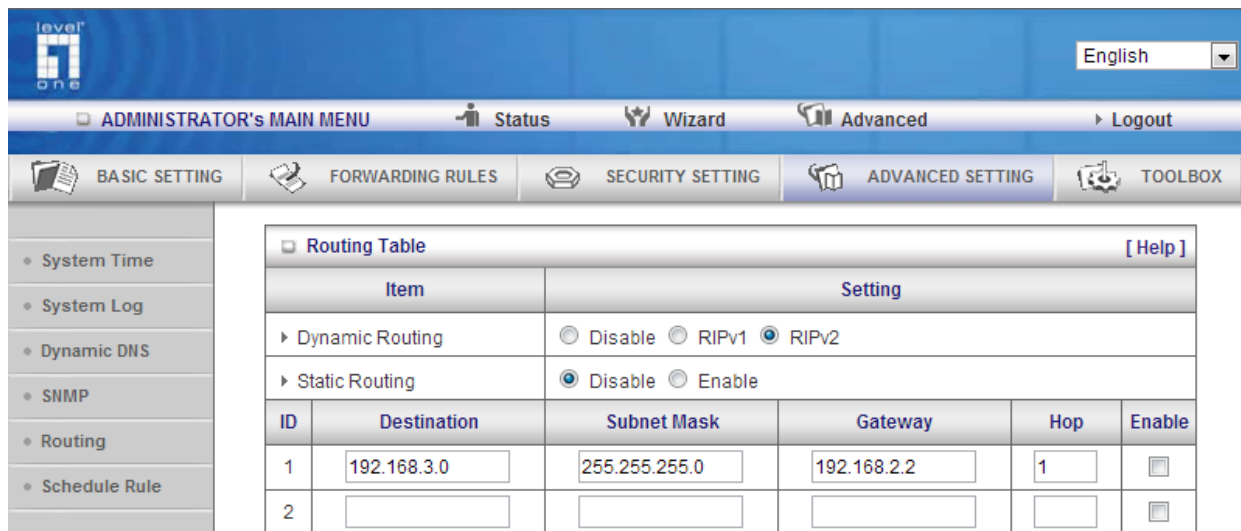
VLAN	10 ▾
Receive Version	RIPv1 or RIPv2 ▾
Send Version	RIPv1 Compatible ▾
Instability Prevention	Split Horizon ▾
Authentication Type	No Authentication ▾
Authentication Key	<input style="width: 100%;" type="text"/>

j. Setting VLAN 20 Interface > Click Apply

Interface Settings

VLAN	20 ▼
Receive Version	RIPv1 or RIPv2 ▼
Send Version	RIPv1 Compatible ▼
Instability Prevention	Split Horizon ▼
Authentication Type	No Authentication ▼
Authentication Key	<input type="text"/>

4. Enable RIPv2 Routing protocol on the router.



The screenshot shows the 'Routing Table' configuration page in the LevelOne web interface. The 'Dynamic Routing' section is expanded, showing radio buttons for 'Disable', 'RIPv1', and 'RIPv2', with 'RIPv2' selected. The 'Static Routing' section is also expanded, showing radio buttons for 'Disable' and 'Enable', with 'Disable' selected. Below these sections is a table with the following data:

ID	Destination	Subnet Mask	Gateway	Hop	Enable
1	192.168.3.0	255.255.255.0	192.168.2.2	1	<input type="checkbox"/>
2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>