

CAPACITACION CIRCUITO CERRADO DE CAMARAS DE SEGURIDAD



## Instalaciones

- 1. Comercios
- 2. Oficinas
- 3. Restaurantes
- 4. Casas
- 5. Apartamentos
- 6. Estacionamientos
- 7. Conjuntos residenciales

Etc.



## Glosario

- 1. Autoiris
- 2. Balum
- 3. DVR
- 4. Infrarrojo
- 5. NTSC
- 6. TVL
- 7. Varifocal
- 8. CMOS (SEMI CONDUCTOR DE OXIDO METALICO)
- 9. CCD (DISPOSITIVO DE CARGA ACOPLADA)



# HERRAMIENTAS BASICAS PARA UNA INSTALACION DE CCTV

- 1. DESTORNILLADORES DE PALA Y ESTRIA
- 2. TALADRO ALAMBRICO Y INALAMBRICO
- 3. DIFERENTES TIPOS DE MECHAS (MADERA, METAL Y CEMENTO)
- 4. PISTOLA DE CILICON
- 5. PIQUETAS
- 6. METRO
- 7. EXTENCION DE CORRIENTE
- 8. CLIPEADORA
- 9. TESTER DE CORRIENTE
- 10. PROBADOR DE CORRIENTE
- 11. TESTER DE CABLE DE RED
- 12. RADIOS



## **Cámaras Interiores**







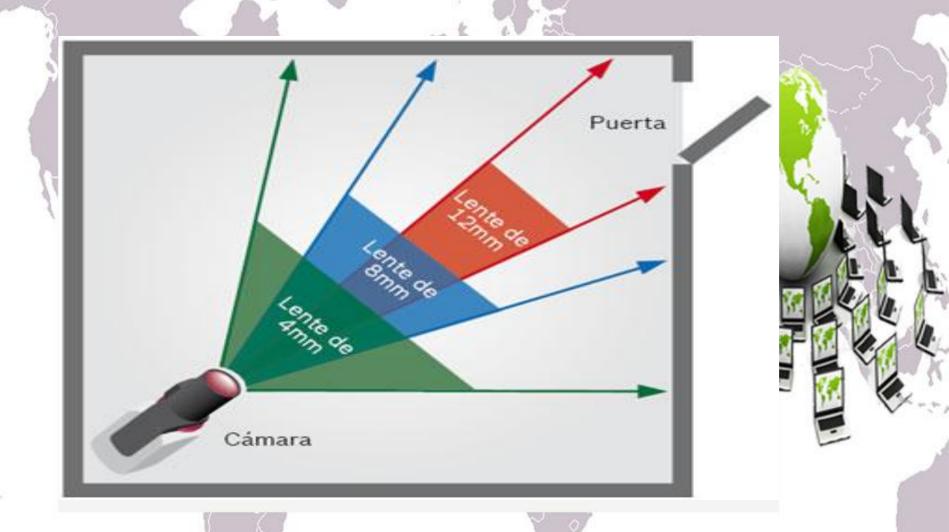
## **Cámaras Exteriores**



## Cámaras Espías



## **Lentes Cámaras**



## Conectores







## **CABLEADO Y DISTANCIAS**

Distancia e	n metros	Tipo de cable
0	100	RG-59
100	250	RG-11
0	400	UTP Pasivo
400	1200	UTP Activo
>	5200	Fibra óptica



## **CABLEADO INSTALACION RJ45**

### TIA/EIA-568-B T568B Wiring

Pin	Pair Wire		Color		
1	2	1	white/orange		
2	2	2	orange		
3	3	1	white/green		
4	1	2	<b>blue</b>		
5	1	1	white/blue		
6	3	2	green		
7	4	1	white/brown		
8	4	2	1 brown		



## Dvr HM











# Disco duros TIEMPO DE GRABACION ESTANDAR

DISCO GB	CAMARAS	DIAS Y HORAS
500	4	10D 19H
500	8	5D 9H
500	16	2D 16H
500	32	1D 8H
1000	4	22D 3H
1000	8	11D 1H
1000	16	5D 11H
1000	32	2D 18H
2000	4	44D 7H
2000	8	22D 3H
2000	16	11D 1H
2000	32	5D 11H



## **Electricidad**

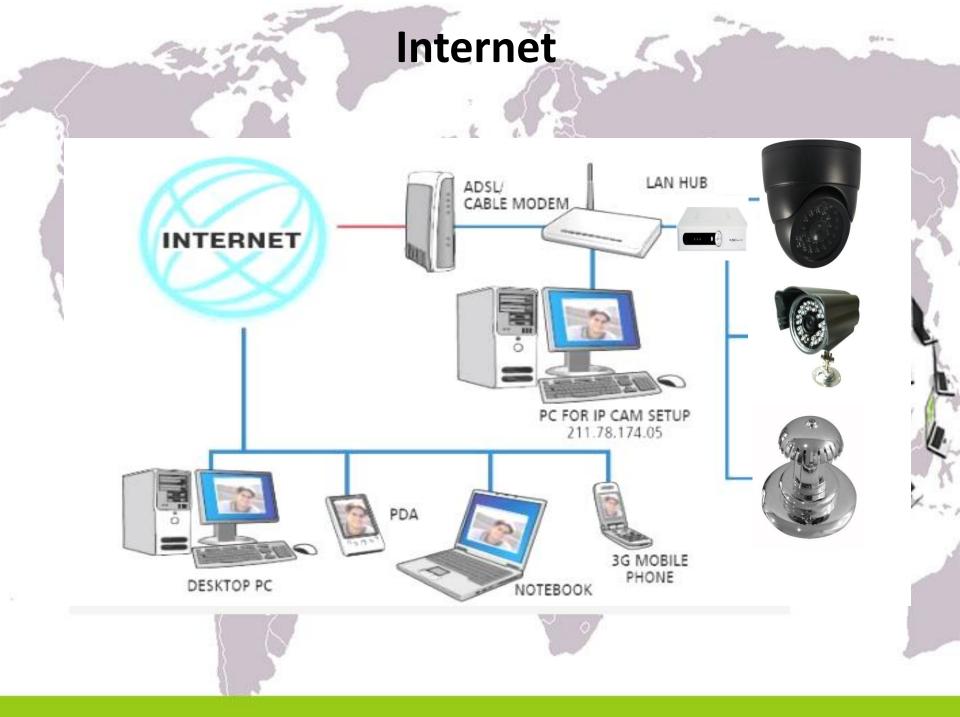












### **TIPOS DE IP**

IP PUBLICAS (CANTV, INTERCABLE, MOVIESTAR)

200.35.42.12

192.45.26.4

**IP PRIVADAS (ROUTER, INTRANET)** 

192.168.0.1

192.168.1.1

LIBERAR PUERTO 80 SOLICITAR PARA CANTV FIREWALL

**DNS DE CANTV** 

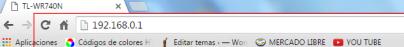
200.44.32.12

200.11.248.12











#### **TP-LINK®**

150M Wireless Lite N Router Model No. TL-WR740N / TL-WR740ND

#### Status **Quick Setup** QSS Network Wireless DHCP **Forwarding** Security Parental Control **Access Control Advanced Routing Bandwidth Control** IP & MAC Binding Dynamic DNS **System Tools**

#### **Status**

Firmware Version: 3.16.6 Build 130529 Rel.47286n

Hardware Version: WR740N v4 00000000

LAN

MAC Address: E8-94-F6-F7-F8-54

IP Address: 192.168.0.1

Subnet Mask: 255.255.255.0

Wireless

Wireless Radio: Enable

Name (SSID): CURSO CCTV

> Channel: Auto (Current channel 11)

Mode: 11bgn mixed

Channel Width: Automatic

MAC Address: E8-94-F6-F7-F8-54

WDS Status: Disable

WAN

MAC Address: E8-94-F6-F7-F8-55

IP Address: 0.0.0.0 Dynamic IP

Subnet Mask: 0.0.0.0

#### Status Help

The Status page displays the Device's current status and configuration. All information is read-only.

LAN - The following parameters apply to the LAN port of the Device. You can configure them in the Network -> LAN page.

- . MAC Address The physical address of the Device, as seen from
- . IP Address The LAN IP address of the Device.
- . Subnet Mask The subnet mask associated with LAN IP address.

Wireless - These are the current settings or information for Wireless. You can configure them in the Wireless -> Wireless Settings page.

- . Wireless Radio Indicates whether the wireless radio feature of the Device is enabled or disabled.
- . Name(SSID) The SSID of the Device.
- . Channel The current wireless channel in use.
- . Mode The current wireless mode which the Device works on.
- . Channel Width The bandwidth of the wireless channel.
- . MAC Address The physical address of the Device, as seen from the WLAN.
- . WDS Status The status of WDS' connection, Init: WDS connection is down; Scan: Try to find the AP; Auth: Try to authenticate; ASSOC: Try to associate; Run: Associated successfully.

WAN - The following parameters apply to the WAN ports of the Device. You can configure them in the Network -> WAN page.

- . MAC Address The physical address of the WAN port, as seen from
- . IP Address The current WAN (Internet) IP Address. This field will be blank or 0.0.0.0 if the IP Address is assigned dynamically and there is no connection to Internet.
- . Subnet Mask The subnet mask associated with the WAN IP Address
- . Default Gateway The Gateway currently used by the Device is shown here. When you use Dynamic IP as the connection Internet type, the Renew button will be displayed here. Click the Renew button to obtain new IP parameters dynamically from the ISP. And if you have got an IP address Release button will be displayed here. Click the Release button to release the IP address the Device has obtained from the ISP.
- DNS Server The DNS (Domain Name System) Server IP addresses





















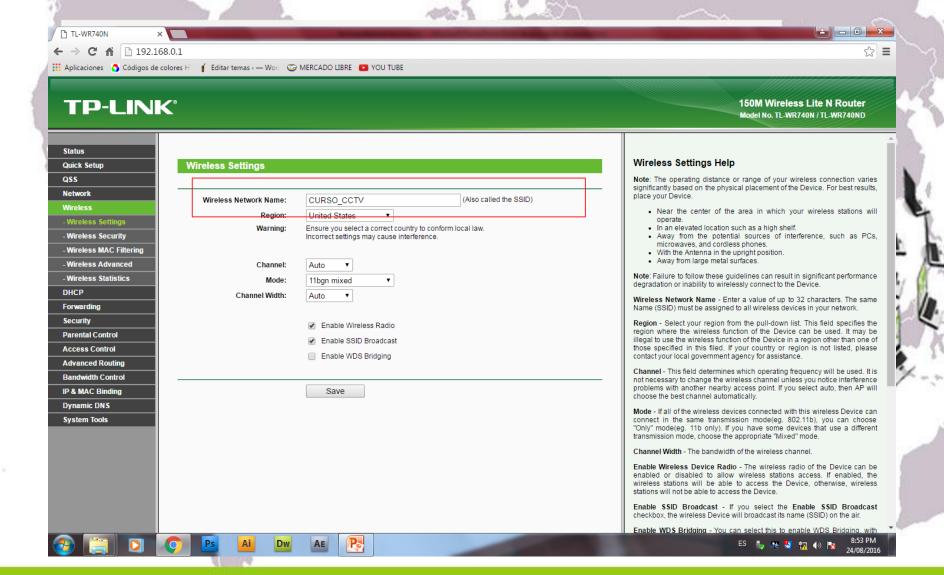




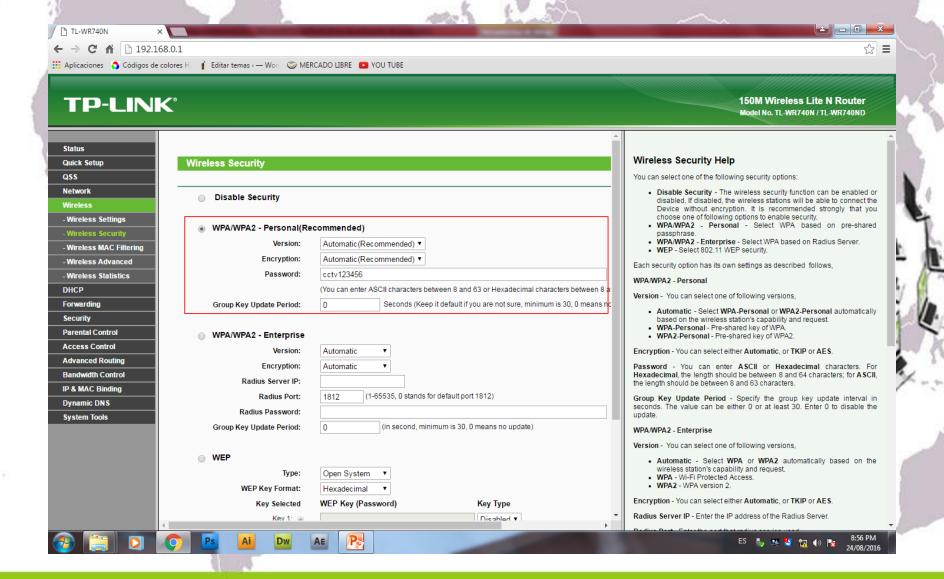




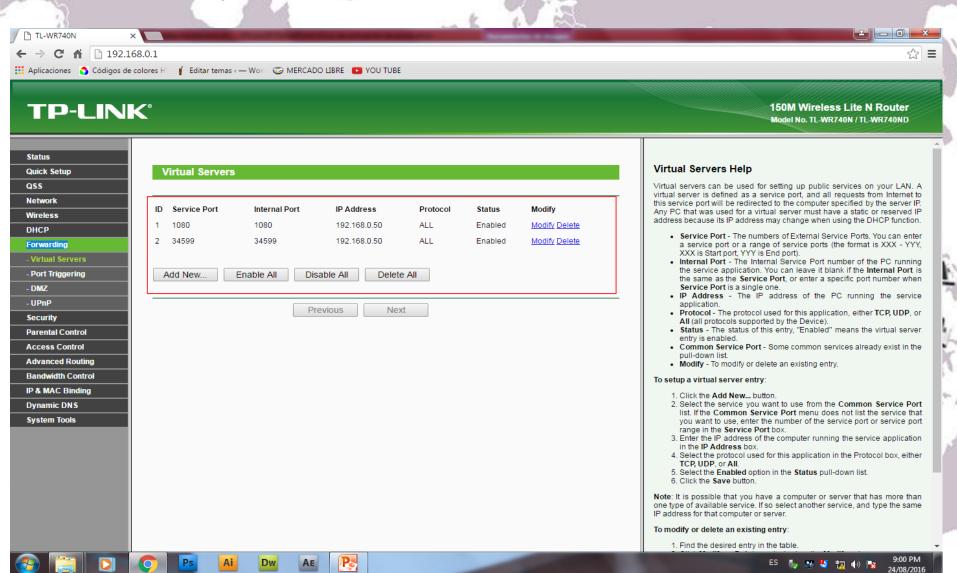
#### Nombre de wifi



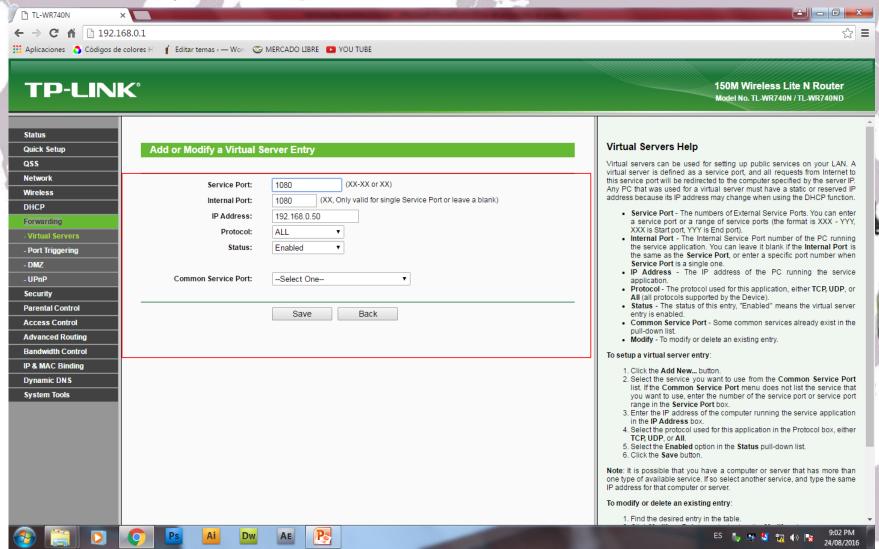
### Contraseña de la wifi



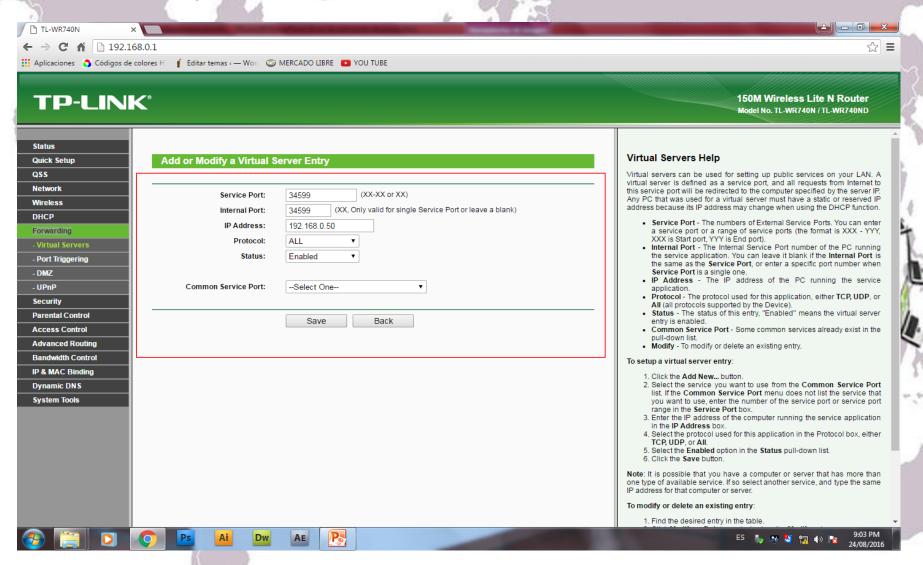
### **Abrir los puertos:**



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## Dvr Configuración





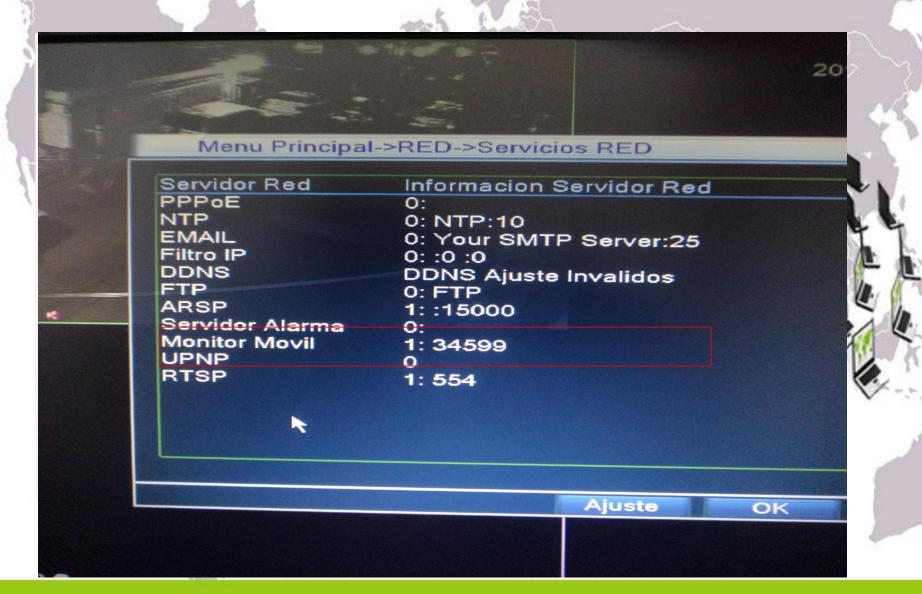
## DVR

Configuración de red y puerto http:

Menu Principal->Parjeta Red reccion IP ascara Subred ateway NS Primaria NS Secundaria	Tarjeta Red 192 · 168 · 255 · 255 · 2 192 · 168 · 192 · 168 · 0 · 0 ·	0 . 50 255 . 0 0 . 1	P Activo		
reccion IP ascara Subred ateway NS Primaria NS Secundaria	192 · 168 · 255 ·	0 . 50 255 . 0 0 . 1	Activo		
uerto HTTP Descarga HS	34567 1080 Calidad Pref	• . •	RED		
		CAM04 ?	OK	Cancelar	
	olitica Transferenci				OK Cancelar

### **DVR**

### Puerto Móvil para celulares y Tablet:



### **PRESUPUESTO**

- 1. Definir cámaras a colocar
- 2. Definir cableado
- 3. Definir materiales
- 4. Dvr
- 5. Disco duro
- 6. Video balum
- 7. Adaptadores o fuente de corriente

