# **4 Channels H.264 IP Video Encoder**



KC401

## **TECHNICAL SPECIFICATIONS**

Interfaces						
Input	4 x HDMI , 4 x CVBS					
	1 x RJ45, 1Gbps IP Streaming					
Output	IP: UDP/RTP(Unicast/Multicast) 4 x SPTS and 1 x MPTS,					
	HLS, HTTP Streaming, RTMP					
Control	LCD with 6 keys & 1 x RJ45 (Web NMS)					
Video Encoding						
Format	HD:H.264 AVC/HP@L4.0 SD:MPEG-2/MP@ML					
Resolution	Input: 1080 50/60p, 1080 50/60i, 720 50/60p, 480i, 576i					
	Output: up to 1080 30p					
Bitrate	HDMI: 3~12Mbps CVBS: 1~6Mbps					
Rate Control	CBR/VBR					
Chroma Sample	4:2:0, 4:2:2					
H.264 Profile	High/Main Profile					
H.264 Level	3.0, 3.1, 3.2, 4.0, 4.1, 4.2					
GOP Structure	IBP/IPPP					
Audio Encoding						
Format	Mpeg1L2, AAC, AC3					
Bitrate	64 ~ 384Kbps					
Sample Rate	44.1 KHz, 48.0 KHz					
General						
Multiplexing	PID remapping (automatically or manually)					
Power Supply	AC 100~240V 50/60Hz					
Display	LCD panel @ 2 x 16 characters					
	LED x 5(Ch1~4+Power)					
Dimension	483 x 257 x 44.4mm					
Weight	2000g					
Environmental	Temperature: 5°C- 40°C					
For Operating	Relative Humidity: 80% @ 30°C					

## **Application Example - IP to RF Modulator**



## HDMI: Blue CVBS: Green IP: Blue

		CH1 LED	CH2 LED	CH3 LED	CH4 LED	IP Output LED: Blue
	Plug in and					
	Encoder TS					Blue light
	Input	Blue light	Blue light	Blue light	Blue light	
HDMI	RJ45 cable					v
source	unplug					^
	Unplug or	Plue light	Dive light	Plue light	Plue light	
	Encoder TS	blinks	blinks	blinks	blinks	Х
	Stop Input	blinks	DIINKS	DIIIIKS	DIIIIKS	
	Plug in or					
	Encoder TS					Blue light
	Input	Green light	Green light	Green light	Green light	
CVBS	RJ45 cable					v
source	unplug					^
	Unplug or	Green	Green light	Green	Green light	
	Encoder TS	light hlinks	hlinks	light hlinks	hlinks	X
	Stop Input		DIIIKS		DIIIK3	

## **LCD Control Flow**



## WEB OPERATION INSTRUCTION

The device is configured using NMS. Access to the NMS is via the network connection

## 1. IP Address of Computer Setting

We must choose the static IP address according to the default gateway address. The first three numbers must be the same (192.168.0.x in the example).

System Control> Network Connections> LAN Connection> Properties> Internet Protocol Version 4 TCP/IPv4 (or Version6 TCP/IPv6)> Properties> Use the following IP address: IP address Computer: 192.168.0.20 and Subnet mask: 255.255.255.0.

L MERIA 20002	X	WLAN Properties	×	Internet Protocol Version 4 (TCP/IPv4)	Properties
ieneral		Networking		General	
Connection IPv4 Connectivity: No netwo Media State: SSID: Duration: Speed: 43 Signal Quality: Details Wireless Properties	Internet ork access Enabled SZ_5G 00:00:06 13.3 Mbps	Connect using: Cualcomm Atheros QCA9377 Wireless Network Cualcomm Atheros QCA9377 Wireless Network Cualcomment Cualcom	Adapter anfigure	You can get IP settings assigned autom this capability. Otherwise, you need to for the appropriate IP settings. O Obtain an IP address automatical O Use the following IP address: IP address: Subnet mask: Default gateway: Obtain DNS server address autom	natically if your network supports ask your network administrator y 192 - 168 - 0 - , 20 255 - 255 - 255 - 0 197 - 168 - 0 - 1 ustcally
Activity		4	3	A	
Activity Sent — 🦉 —	Received	< Instal. Pr	> operties	Use the following DNS server address of the preferred DNS server:	resses:

## 2. IP Address of Computer Setting

- 2.1 Each machine can have different username and password settings.
- 2.2 Please log in before operation.

### Default IP is 192.168.0.168; Username : admin; Password: 0000



## 3. NMS Home Page& Status

Contents of the home page includes Device Information/Encoder Setup/Streaming Setup/ Network/ Password/Upgrade/Configuration.

The Device Information page will show some device parameters. Here you can know the

Model Name, Serial Number, Firmware version, Boot Version, Encoder1~4 Version, DATA MAC Address, NMS MAC Address

treaming server					
Web Management	é			Logout	02:59
	Device Information				
	Model Name	KC401	Serial Number	0H2305001	
Summary	Firmware Version	230516R1612	BOOT Version	230516R1612	
Device Information	Encoder 1 Version	V2.10R35	Encoder 2 Version	V2.10R35	
	Encoder 3 Version	V2.10R35	Encoder 4 Version	V2.10R35	
Parameters	Data MAC Addr	00:1E:97:6F:1A:60	NMS MAC Addr	00:1E:97:6F:1A:61	
<ul> <li>Encode</li> </ul>	Modulator Version	R0217	Standard	DTMB	
<ul> <li>Streaming</li> </ul>		La construction of the		the second se	

### 4. Encoder Setup

Use the Setting Setup Page to set the Encoder setup. You can choose the signal source is HDMI or CVBS. You can also change the Video Encoder (HDMI Only H.264/ CVBS can chose H.264/mpeg), Video Bit Rate(Mbps),Rate Mode(CBR/VBR), Audio Encoder(AC3/AAC/MPEG), Audio Bitrate,H.264 Profile, H.264 Level, GOP Structure, PMT PID, PCR PID, Video PID, Audio PID, TS ID, Service Provider, Service Name.. Parameters.

Web Management					Logout
	Encode				
	1	Encode 1	Encode 2	Encode 3	Encode 4
Common	Source	номі 🗸	HDMI 🗸	HDMI ~	HDMI
Summary	Video Encode	H.264 🛩	H.264 🛩	H.264 🛩	H 264
<ul> <li>Device information</li> </ul>	Video Bit Rate (Mbps)	8.00	8.00	8.00	8.00
Parameters	Rate Mode	CBR 🛩	CBR 🛩	CBR .	CBR
a ferral a	Audio Encode	MPEG 🛩	MPEG 🛩	MPEG 🛩	MPEG
Encode	Audio Bit Rate (Kbps)	128 🛩	128 🛩	128 🛩	128
<ul> <li>streaming</li> </ul>	H 264 Profile	High Profile 🛩	High Profile 👻	High Profile 🗸	High Profile
System	H.264 Level	40 🛩	40 🗸	40 🗸	40
Network	GOP Structure	18P 🛩	IBP 🛩	IBP 🛩	IBP .
<ul> <li>Password</li> </ul>	PMT PID	100	200	300	400
<ul> <li>Upgrade</li> </ul>	PCR PID	101	201	301	401
<ul> <li>Configuration</li> </ul>	Video PID	102	202	302	402
	Audio PID	103	203	303	403
	Service ID	1	2	3	4
	TS ID	(†	2	3	4
	Service Provider	TVProvider-1	TVProvider-2	TVProvider-3	TVProvider-4
	Service Name	HDTV-1	HDTV-2	HOTV-3	HDTV-4
	Resolution	1080/60	1080/60	108060	1080/60
	Bit Rate	8.07 Mbps	8 06 Mbps	8.08 Mbps	8.06 Mbps

## 5. Streaming Setup

Use the Streaming Setup Page to setup your required streaming method. You can choose UDP/RTP multicast or unicast, HLS, Http, RTMP

The multicast range is 224.0.0.0 to 239.255.255.255, with 224.0.0.0 to 224.0.0.255 reserved exclusively for local network management and maintenance.

Veb Management							1	ogout
	IP Streaming							
		Protocol	Play Mode	Group	IP / Destination IP	/File	Port	TTL
	SPTS 1		Multica: ¥	225.2.2.2	n / Destination i		2234	128
mary	SPTS 2		Multica: V	225222			2238	128
uine beforesetter	SPTS 3		Multicar	225 2 2 2			2238	128
wice information	SPTS 4	UDE	Multinar V	225 2 2 2			2240	128
meters	IT MPTS	UDEY	Multica: ¥	225 2 2 2			2242	128
coder Setup		1001 +	Winnings, +	1220.2.2.2			12272	10.20
reaming Setup	Notice, If 4-c	ternels of S	PTS and MPTS	are opened at I	he same lime, please	adjust bit nat	e of encode	er under 8
	NIT							
em		ON/OFF	ON ID	Network ID	Network Name	PDS	LCN	
twork Setup	SPTS 1	OFF V	1	1	Network1	00000029	1	1
ssword	SPTS 2	OFF V	2	2	Network2	00000029	2	
grade	SPTS 3		3	3	Network3	00000029	3	
ofiguration	SPTS 4	OFF 🗸	4	4	Network4	00000029	4	
							5	
				-		10	6	
	<ul> <li>Course</li> </ul>	The second se						
	MPTS	OFF 🗸	5	5	Network5	00000029	7	
		OFF 🗸	5	5	Network5	00000029	8	
			5 Major Char	5	Channel Sho	rt Name	8	
			Major Char	5 nnel Minor (	Channel Sho	rt Name	8	
	MPTS TVCT SPTS 1 SPTS 2 SPTS 2		6 Major Char 10 10	5 Minor ( 1 2	Channel Sho HDTV-1 HDTV-2	rt Name	8	
	MPTS TVCT SPTS 1 SPTS 2 SPTS 3 SPTS 4	0FF	5 Major Char 10 10 10	5 Minor 4	Channel Sho HDTV-1 HDTV-2 HDTV-2	rt Name	8	
	MPTS TVCT SPTS 1 SPTS 2 SPTS 3 SPTS 4	0FF ~ 0FF ~ 0FF ~ 0FF ~ 0FF ~	5 Major Char 10 10 10 10	5 Minor ( 1 2 3 4 5	Channel Sho HDTV-1 HDTV-2 HDTV-3 HDTV-4 HDTV-4	rt Name	7	
	MPTS TVCT SPTS 1 SPTS 2 SPTS 3 SPTS 4	ON/OFF OFF ~ OFF ~ OFF ~ OFF ~	Major Char           10           10           10           10           10           10           10           10	5 Minor ( 1 2 3 4 5 8	Channel Sho HDTV-1 HDTV-2 HDTV-3 HDTV-4 HDTV-4 HDTV-4	rt Name	8	
	MPTS TVCT SPTS 1 SPTS 2 SPTS 3 SPTS 4 MPTS	OFF V OFF V OFF V OFF V OFF V	Major Char           10           10           10           10           10           10           10           10           10           10           10           10           10	5 Minor 4 2 3 4 5 6 7	Channel Sho HDTV-1 HDTV-2 HDTV-2 HDTV-2 HDTV-2 HDTV-2 HDTV-2 HDTV-2	rt Name	8	
	MPTS TVCT SPTS 1 SPTS 2 SPTS 3 SPTS 4 MPTS	OFF V OFF V OFF V OFF V OFF V	Major Chai           10           10           10           10           10           10           10           10           10           10           10           10           10           10           10           10           10	5 nnel Minor 4 1 2 3 4 5 8 7 8	Channel Sho HDTV-1 HDTV-2 HDTV-2 HDTV-4 HDTV-5 HDTV-6 HDTV-6 HDTV-7 HDTV-7 HDTV-7 HDTV-7	rt Name	78	
	MPTS TVCT SPTS 1 SPTS 2 SPTS 3 SPTS 4 MPTS	ONVOFF OFF ~ OFF ~ OFF ~ OFF ~	Major Char           10           10           10           10           10           10           10           10           10           10           10           10           10           10           10           10	5 mmel Minor ( 1 2 3 4 5 6 7 8	Channel Sho HDTV-1 HDTV-2 HDTV-2 HDTV-2 HDTV-2 HDTV-2 HDTV-2 HDTV-2	rt Name	8	
	MPTS TVCT SPTS 1 SPTS 2 SPTS 3 SPTS 4 MPTS CVCT	OFF V OFF V OFF V OFF V OFF V	Major Chai           10           10           10           10           10           10           10           10           10           10           10           10           10           10           10	5 nnel Minor 4 1 2 3 4 5 6 7 8	Channel Sho HDTV-1 HDTV-2 HDTV-4 HDTV-4 HDTV-6 HDTV-6	rt Name	78	
	MPTS TVCT SPTS 1 SPTS 2 SPTS 3 SPTS 4 MPTS CVCT	OFF V OFF V OFF V OFF V OFF V	Major Chai           10           10           10           10           10           10           10           10           10           10           10           10           10           10           10           10           10           10           10	5 nnel Minor ( 1 2 3 4 5 6 7 8 Major Char	Channel Sho HDTV-1 HDTV-2 HDTV-2 HDTV-2 HDTV-2 HDTV-2 HDTV-2 HDTV-2 HDTV-2 HDTV-2 HDTV-2	rt Name	7 8	
	MPTS TVCT SPTS 1 SPTS 2 SPTS 3 SPTS 4 MPTS CVCT	OFF V OFF V OFF V OFF V OFF V OFF V	5           Major Char           10	5 nnel Minor 4 1 2 3 4 5 6 7 8 Major Char 10	Channel Sho HDTV-1 HDTV-2 HDTV-2 HDTV-4 HDTV-6 HDTV	rt Name	hort Name	
	MPTS TVCT SPTS 1 SPTS 2 SPTS 3 SPTS 4 MPTS CVCT SPTS 1 SPTS 1 SPTS 2	OFF V OFF V OFF V OFF V OFF V OFF V OFF V	5           Major Char           10           11           12           13           14           15           16           17	5 nnel Minor 4 1 2 3 4 5 6 7 8 Major Char 10 10	Network5       Channel     Sho       HDTV-1     HDTV-2       HDTV-2     HDTV-2       HDTV-2     HDTV-2       HDTV-2     HDTV-2       HDTV-2     HDTV-2       HDTV-2     HDTV-2       HDTV-2     HDTV-2       Innel     Minor Cha       1     2	rt Name	hort Name V-1 V-2	
	MPTS TVCT SPTS 1 SPTS 2 SPTS 3 SPTS 4 MPTS CVCT SPTS 1 SPTS 1 SPTS 2 SPTS 3	OFF V OFF V OFF V OFF V OFF V OFF V OFF V OFF V	5           Major Char           10           11           12           13           14           14           15           16           17           18           19           10	5 nnel Minor ( 1 2 3 4 5 8 7 8 Major Char 10 10 10	Channel Sho HDTV-1 HDTV-2 HDTV	nnel Si HDT HDT	hort Name V-1 V-2 V-3	
	MPTS TVCT SPTS 1 SPTS 2 SPTS 3 SPTS 3 SPTS 4 MPTS CVCT CVCT SPTS 1 SPTS 1 SPTS 2 SPTS 3 SPTS 4	ONVOFF OFF ~ OFF ~ OFF ~ OFF ~ OFF ~ OFF ~ OFF ~ OFF ~ OFF ~	5           Major Char           10           11           12           13           14           15           16           17           18           19           19           10	5 nnel Minor ( 1 2 3 4 5 8 7 8 Major Char 10 10 10 10 10	Channel Sho HDTV-1 HDTV-2 HDTV	nnel S HDT HDT HDT	hort Name V-1 V-2 V-4	
	MPTS TVCT SPTS 1 SPTS 2 SPTS 3 SPTS 4 MPTS CVCT CVCT SPTS 1 SPTS 2 SPTS 3 SPTS 3 SPTS 3	ONVOFF OFF ~ OFF ~ OFF ~ OFF ~ OFF ~ OFF ~ OFF ~ OFF ~ OFF ~	5 Major Char 10 10 10 10 10 10 10 10 10 10	5 mmel Minor ( 1 2 3 4 5 8 Major Char 10 10 10 10 10 10	Channel         Sho           HDTV-1         HDTV-2           HDTV-3         HDTV-4           HDTV-4         HDTV-4           HDTV-5         HDTV-6           HDTV-6         HDTV-6           HDTV-7         HDTV-6           HDTV-6         HDTV-6           HDTV-7         HDTV-6           1         2           3         4           5	rt Name	hort Name V-1 V-2 V-3 V-4 V-5	
	MPTS TVCT SPTS 1 SPTS 2 SPTS 3 SPTS 4 MPTS CVCT CVCT SPTS 1 SPTS 1 SPTS 2 SPTS 3 SPTS 4 ANDTE	OFF V OFF V OFF V OFF V OFF V OFF V OFF V OFF V OFF V OFF V	5           Major Chai           10           110           10           10           10           10           110           110           110           110           110           110           110           110           110           110           110 </td <td>5 nnel Minor 4 1 2 3 4 5 8 7 8 Major Char 10 10 10 10 10 10 10 10 10 10</td> <td>Network5           Channel         Sho           HDTV-1         HDTV-2           HDTV-4         HDTV-4           HDTV-5         HDTV-6           HDTV-7         HDTV-6           HDTV-7         HDTV-7           HDTV-7         HDTV-7</td> <td>nnel Si hDT hDT hDT hDT hDT</td> <td>hort Name V-1 V-2 V-4 V-6 V-6</td> <td></td>	5 nnel Minor 4 1 2 3 4 5 8 7 8 Major Char 10 10 10 10 10 10 10 10 10 10	Network5           Channel         Sho           HDTV-1         HDTV-2           HDTV-4         HDTV-4           HDTV-5         HDTV-6           HDTV-7         HDTV-6           HDTV-7         HDTV-7	nnel Si hDT hDT hDT hDT hDT	hort Name V-1 V-2 V-4 V-6 V-6	
	MPTS TVCT SPTS 1 SPTS 2 SPTS 3 SPTS 4 MPTS CVCT SPTS 1 SPTS 1 SPTS 2 SPTS 3 SPTS 4 MPTS	OFF V OFF V OFF V OFF V OFF V OFF V OFF V OFF V OFF V OFF V	5           Major Char           10           11           12           13           14           14           15           164           164           10 <t< td=""><td>5 nnel Minor 4 1 2 3 4 5 8 7 8 Major Char 10 10 10 10 10 10 10 10 10 10</td><td>Network5           Channel         Sho           HDTV-1         HDTV-2           HDTV-2         HDTV-2           1         2           3         4           5         8           7         7</td><td>nnel</td><td>Nort Name V-1 V-2 V-3 V-4 V-6 V-7</td><td></td></t<>	5 nnel Minor 4 1 2 3 4 5 8 7 8 Major Char 10 10 10 10 10 10 10 10 10 10	Network5           Channel         Sho           HDTV-1         HDTV-2           HDTV-2         HDTV-2           1         2           3         4           5         8           7         7	nnel	Nort Name V-1 V-2 V-3 V-4 V-6 V-7	

#### Notice:

- (1) If 4 channels of SPTS and MPTS are opened at the same time, please adjust bit rate of encoder under 8 Mbps
- (2) All devices need to be on the same LAN

#### 5.1. Multicast UDP Setup

#### **IP** Streaming

Stream	Output	Protocol	Play Mode	IP / File	Port	TTL
SPTS 1	ON 🗸	UDP V	Multicast 🗸	225.2.2.2	2234	128
SPTS 2	ON 🗸	UDP v	Multicast v	225.2.2.2	2236	128
SPTS 3	ON 🗸		Multicast 🗸	225.2.2.2	2238	128
SPTS 4	ON 🗸		Multicast v	225.2.2.2	2240	128
MPTS	OFF 🗸	UDP v	Multicast ~	225.2.2.2	2242	128

Notice: If 4 channels of SPTS and MPTS are opened at the same time, please adjust bit rate of encoder under 8 Mbps.

#### 5.2. Multicast RTP Setup

#### **IP** Streaming

Stream	Output	Protocol	Play Mode	IP / File	Port	TTL
SPTS 1	ON 🗸	RTP 🗸	Multicast 🗸	225.2.2.2	2234	128
SPTS 2	ON 🗸	RTP 🗸	Multicast 🗸	225.2.2.2	2236	128
SPTS 3	ON 🗸	RTP 🗸	Multicast 🗸	225.2.2.2	2238	128
SPTS 4	ON 🗸	RTP 🗸	Multicast 🗸	225.2.2.2	2240	128
MPTS	OFF V	UDP ~	Multicast ~	225.2.2.2	2242	128

Notice: If 4 channels of SPTS and MPTS are opened at the same time, please adjust bit rate of encoder under 8 Mbps.

#### 5.3. Unicast UDP Setup

**IP** Streaming

Stream	Output	Protocol	Play Mode	IP / File	Port	TTL
SPTS 1	ON 🗸	UDP V	Unicast 🗸	192.168.10.20	2234	128
SPTS 2	ON 🗸	UDP 🗸	Unicast 🗸	192.168.10.20	2236	128
SPTS 3	ON 🗸	UDP 🗸	Unicast 🗸	192.168.10.20	2238	128
SPTS 4	ON ~	UDP 🗸	Unicast 🗸	192.168.10.20	2240	128
MPTS	OFF ~	UDP ~	Multicast 🗸	225.2.2.2	2242	128

Notice: If 4 channels of SPTS and MPTS are opened at the same time, please adjust bit rate of encoder under 8 Mbps.

#### 5.4. Unicast RTP Setup

#### **IP** Streaming

Stream	Output	Protocol	Play Mode	IP / File	Port	TTL
SPTS 1	ON ¥	RTP 🗸	Unicast 🗸	192.168.10.20	2234	128
SPTS 2	ON 🗸	RTP 🗸	Unicast 🗸	192.168.10.20	2236	128
SPTS 3	ON 🗸	RTP 🗸	Unicast 🗸	192.168.10.20	2238	128
SPTS 4	ON ¥	RTP 🗸	Unicast 🗸	192.168.10.20	2240	128
MPTS	OFF V	UDP v	Multicast 🗸	225.2.2.2	2242	128

Notice: If 4 channels of SPTS and MPTS are opened at the same time, please adjust bit rate of encoder under 8 Mbps.

#### 5.5. HLS

#### **IP** Streaming

Stream	Outp	ut	Proto	col	Play Mode	IP / File	Port	TTL
SPTS 1	ON	~	HLS	~	~	http://192.168.10.10/h1.m3u8		
SPTS 2	ON	~	HLS	~	Y	http://192.168.10.10/h2.m3u8		
SPTS 3	ON	~	HLS	~	¥	http://192.168.10.10/h3.m3u8		
SPTS 4	ON	~	HLS	~	~	http://192.168.10.10/h4.m3u8		
MPTS	OFF	~	UDP	~	Multicast 🗸	225.2.2.2	2242	128

Notice: If 4 channels of SPTS and MPTS are opened at the same time, please adjust bit rate of encoder under 8 Mbps.

#### 5.6. HTTP

#### **IP** Streaming

Stream	Output	Protocol	Play Mode	IP / File	Port	TTL
SPTS 1	ON ¥	HTTP 🗸	~	http://192.168.10.10:8080/h1.ts		
SPTS 2	ON ¥	HTTP 🗸	~	http://192.168.10.10:8080/h2.ts		
SPTS 3	ON ¥	HTTP ~	~	http://192.168.10.10:8080/h3.ts		
SPTS 4	ON 🗸	HTTP ~	~	http://192.168.10.10:8080/h4.ts		
MPTS	OFF ¥	UDP v	Multicast 🗸	225.2.2.2	2242	128

Notice: If 4 channels of SPTS and MPTS are opened at the same time, please adjust bit rate of encoder under 8 Mbps.

#### 5.7. RTMP

**IP** Streaming

Stream	Output	t	Protoc	ol	Play Mode	IP / File	Port	TTL
SPTS 1	ON .	-	RTMP	~	~	rtmp://192.168.10.10:1935/live1		
SPTS 2	ON	•	RTMP	~	~	rtmp://192.168.10.10:1935/live2		
SPTS 3	ON	•	RTMP	~	~	rtmp://192.168.10.10:1935/live3		
SPTS 4	ON	•	RTMP	~	~	rtmp://192.168.10.10:1935/live4		
MPTS	OFF .	-	UDP	~	Multicast 🗸	225.2.2.2	2242	128

Notice: If 4 channels of SPTS and MPTS are opened at the same time, please adjust bit rate of encoder under 8 Mbps.

### 6. Network Setup

The IP Out default setting is 192.168.10.10 The Web Management default setting is 192.168.0.168. You can modify the IP of NMS and DATA by yourself, please note that the IP addresses of NMS and DATA cannot be set in the same LAN

Web Management			Logout 03:00
	Network		
	NMS IP		
Summary	IP Address	192.168.0.168	
Device Information	Subnet Mask	255,255,255.0	
Parameters	Default Gateway	192.168.0.1	
► Encode	Data IP		
<ul> <li>Streaming</li> </ul>	IP Address	192,168,10,10	
System	Subnet Mask	255.255.255.0	
- Network	Default Gateway	192.168.10.1	
Password			
<ul> <li>Upgrade</li> </ul>	Cancel App	ly .	
<ul> <li>Configuration</li> </ul>		e	

### 7. Password

You can modify the user name and password. In the New password field, enter the new password you want to change, also the same password as the new password to confirm.

ryeo management	Password	Logout	02:59
Summary   Device Information  Parameters  Encode  Streaming  System	New Username admins New Password Confirm Password Apply		
Network     Password			
Upgrade     Configuration			

## 8. Upgrade

Use the Upgrade page to update system firmware, Encoder firmware, and Boot code. Step1. Download the firmware zip file and unzip the firmware file. The file is image.ub Step2. Login to NMS.

Step3. Select to upgrade page. Select the "Choose" button of Firmware File

Web Management		Logout 03:0
	Upgrade	
	Firmware File :	
Summary	Choose Upgrade	
Device Information		
Parameters	Encode File :	
Encoder Setup	Choose Upgrade	
<ul> <li>Streaming Setup</li> </ul>		
System	BOOT File :	
<ul> <li>Network Setup</li> </ul>	Choose Ungrade	
Password		
Upgrade		

Step4. Select the firmware to update

名稱 ^	修改日期	類型	大小
🕺 image.ub	2022/3/23 下午 12:59	UB 檔案	15,705

Step5. Select the "Upgrade" button to update Firmware. Please wait about 1 minute for the system to reboot

Streaming server	192,168.0.168 顯示 Are you sure?		
Web Management		162 B:N	Logout 02:59
	Upgrade		
	Firmware File : image.ub		
Summary	Choose Upgrade		
Device Information			
Streaming server			Logout 02:40
Streaming server	Upgrade		Logout 02:40
Streaming server	Upgrade Firmware File : image.ub		Logout 02:40
Streaming server Web Management Summary	Upgrade Firmware File : image.ub	50%	Logout 02:40



## 9. Configuration

Use the "Factory Reset" to reset configuration to factory default. Use the "Download Config" to saved device setting configuration setting to PC. Use the "Upload Config" to upload the file with pre-saved configuration settings to device.

reaming server				
Web Management			Logout	03:00
	Configuration			
	Factory Reset	Apply		
Summary	Download Config	Save		
<ul> <li>Device Information</li> </ul>				
Parameters	Upload Config	Load		
<ul> <li>Encoder Setup</li> </ul>				
Streaming Setup				
System				
Network Setup				
Password				
Upgrade				
Configuration				