

# Content

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## 1 EN - Configuration Uyar-Video-Encoder

#### 1.1 Reset

Note: Please do <u>not</u> reset the device if it has been pre-commissioned by Uyar.

Connect the Uyar video encoder to the socket via the 12V socket using the power supply unit supplied. There is a reset button (RST) on the front side of the IP encoder, which is used to carry out an initialization reset of the encoder. If you are using the device for the first time, it is essential to perform the reset after switching it on or after it has started up. Use a needle / paper clip and press the reset button for about 8 seconds. This initializes all parameters.



#### 1.2 Make settings on the PC

The standard IP address of the UVE is 192.168.0.31. The default username and password are both "admin".

Most customers cannot log into the UVE's user interface by entering 192.168.0.31 directly in the browser's address line. The reason is that the IP address of the PC is not in the same network segment and they cannot communicate with each other. In order to log into the user interface of the UVE, the IP address of the PC must first be changed.

Step 1: Connect the UVE to a PC / laptop using an Ethernet cable

Step 2: Open "View network connections"

Vetwork Connections	_		]	×
$\leftarrow   ightarrow   ightarrow $	~ Ū	Searc	h Ne	2
Organize 🔻	= • •	•		?
Ethernet       Ethernet 2         Network cable unplugged       Network cable unplugged         Intel(R) Ethernet Connection (4) I2       Sophos SSL VPN Adapter				
Mobilfunk Not connected Fibocom L830-EB WLAN uyarcom.de Intel(R) Dual Band Wireles	s-AC 82			
4 items			a	

Errors and changes excepted



Step 3: Right mouse button> open properties (in some cases the user has to enter the administrator password)



Step 4: Select "Internet Protocol Version 4 (TCP / IPv4)" and then click on properties

<b>h</b>	×
Networking Sharing	
Connect using:	
<b>.</b>	
Configure	
This connection uses the following items:	
Client for Microsoft Networks	^
VMware Bridge Protocol	
File and Printer Sharing for Microsoft	
Muse Uos Packet Scheduler	
Mismaeft Network Adapter Multiplever Pretocol	
	× 1
Install Uninstall Properties	()
Description	
Transmission Control Protocol/Internet Protocol. The default	t
wide area network protocol that provides communication	
across diverse interconnected networks.	
OK Ca	incel
OK Ca	1001

Step 5: Please make a note of your IP address and standard gateway before you make the following changes. Your standard settings, because these standard settings must be set again after you have made the settings. Set the IP address to 192.168.0. \*\* (\*\* can be a number between 2 and 255, except 31). Set the subnet mask to 255.255.255.0 and the standard gateway to 192.168.0.1



Complete the entry with "OK"

Internet Protocol Version 4 (TCP/IPv4) Properties									
General									
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.									
O Obtain an IP address automatical	Obtain an IP address automatically								
• Use the following IP address:									
IP address:	192.168.0.12								
Subnet mask:	255.255.255.0								
Default gateway:	192.168.0.1								
Obtain DNS server address autom	atically								
• Use the following DNS server add	resses:								
Preferred DNS server:	· · ·								
Alternate DNS server:	· · ·								
Validate settings upon exit	Ad <u>v</u> anced								
	OK Cancel								

Step 6: Complete the entry with "OK"





### 1.3 Settings on the UVE

Important: A camera must be connected to the Uyar video encoder and switched on! Otherwise the setting of the second stream is not possible correctly.

Step 1: Open your browser and enter 192.168.0.31 in the address bar. A password query will then open. Enter "admin" for the user name and "admin" for the password. Now the user interface of the UVE opens.

Step 2: In the user interface of the UVE you are first in the "Status" window. Information about the current settings of the main and substream can be read out here

UY				Service and	Language: English 🗸	
		Status	Display -			
Input Status						
Interface type:HDMI Video input:1920 x Audio input:(16bit	1080P @60 PCM) 48K					
Mainstream State	JS					
Video output:(H.264 Audio output:(AAC) Multicast address: RTMP address:Interr SRT address :	) 1920 * 1080 @30 2ch 48K 128000 et unreachable					
Status	Network	Main stream	Second stream	Audio	System	
Secondstream St Video output:(H.26 Audio output:(AAC) Multicast address: RTMP address:Intern SRT address :	atus ) 1280 * 720 #30 2ch 48% 128000 wt unreachable					
Mainstream Live RTSP stream address HTTP stream address	View ::rtsp://192.168.0.31:5 :http://192.168.0.31:5	54/main 0000/main (ts)				
Secondstream Li RTSP stream address HTTP stream address	ve View ::rtsp://192.168.0.31:5 :http://192.168.0.31:5	554/ext 1000/ext (ts)				
Status	Network	Main stream	Second stream	Audio	System	



Step 3: In the "Network" section you can adapt the LAN settings to your corresponding network environment. It is necessary to assign a fixed IP address, which is excluded from the DHCP distribution. Therefore set DHCP to "Disable" and select the data for IP, Gateway, Subnet etc. according to your network.

UY			Service and	Language: English 🗸	
	Netwo	ork Settings –			
Network settings					
<pre>Wet type: DBCP: IF: Wetmark: Gaturay: DESO: DESO: DESO: LNS1: cos[DBCP]: KAC:</pre>	Ethemet ¥ Disable ¥ 192.168.254.3 255.255.255.0 192.168.254.1 192.168.254.1 192.168.254.1 0 F4:69:D5:D0:13:AB	[0 - 63]			
Status	Network Main strea	m Second stream	Audio	System	

After the entry, please scroll down and confirm the entry with "Set-up". You don't need to look at the wifi settings.



Step 4: Now select the following settings in "Main Stream". The encoding type is optionally h.264 or h.265, the frame rate is 30fps. The bit rate mode is cbr (constant-bit rate). The output size is 1920x1080. We recommend 5120 for the bit rate, which corresponds to 5MB / s.

Confirm the entries with "Set up".

UY	AR			Service and	Language: English 🗸	Þ
	Mains	stream er	ncoding se	ettings –		
Main stream so Enc type Profile Frame rate: Eitrate mode: Group of picture Output size Eitrate Fluctuate	H1264     V       imain profile     V       30     V       cbr     V       imain profile     V       30     V       cbr     V       imain profile     V       30     V       cbr     V       imain profile     V	(5-6) (2-2) (16-1	] 0] 2000]			
Status	Network	Main stream	Second stream	Audio	System	

If you now scroll down the "Mainstream protocol settings" follow. Please set RTSP to "Enable".

Mainstream pro	tocol settings				
HTTP :	/main	TS	✓ Format: /mail	ain (begin with "/")	
HTTP port:	8000	[1-65535]			
HLS:	/main.m3u8	Disable	Format:/mailes/maile	ain(begin with "/")	
HLS port:	8100	[1-65535]			
RTSP:	/main	Enable	Y Format: /s	aain (begin with "/")	
RTSP port:	554	[1-65535]			
RTSP format:	TS				
RTSP server:		Disable	~		
SRT:	Disable				
SRT port:	7120				
SRT delay:	120	[ns]			
SRT key:					
SRT stream id:					
Multicast IP:	232.255.42.42	Disable	~		
Multicast port:	1234	[1-65535]			
RTMP mode:	rtmp 🗸				
Status	Network Main	stream S	econd stream	Audio	System

In addition, please set "ONVIF" to "Enable". You can also specify the channel name in the "ONVIF chn name" field. Choose any name here, such as the name of your machine in which is recorded. Then confirm the entries with "Set Up"



	SRT key:						
	SRT stream id:						
	Multicast IP:	232.255.42.42	Dis	able			
	Multicast port:	1234	[1-6	5535]			
	RTMP node:	rtmp					
	RIMP server ip:	192.168.0.4	Dis	able			
	RTMP server port:	1935	[1-6	5535]			
	RTMP app name:	live					
	RTMP stream name:	main					
	RTMP user name:						
	RTMP password:						
	ONVIF:	Enable Y					
	ONVIF chn name:	IPCamera					
		Setup					
		Set up					
6	GB28281						
	Status	Network	Main stream	Second stream	Audio	System	
	504043	HO UNDER	and a Strough	Second Stroug	maio	5,500	

Step 5: Please change the following settings in "Second-stream". The encoding type is optionally h.264 or h.265, the frame rate is 30fps. The bit rate mode is cbr (constant-bit rate). The output size is 1280x720. We recommend 2048 for the bit rate, which corresponds to 2MB / s.

Confirm the settings with "Set up".

UY			Service and	Language: English	~ 3
Second stream :	settings				
Enc type: Profile: Frame rate: Bitrate mode: Oroup of picture: Output mize: Bitrate: Pluctuate:	H.264 V main profile V 30 cbr V 30 1280x720 V 2048 Auto V Set up	[5-60] [2-200] [16-12000](X)			
Status	Network Main stre	eam Second stream	Audio	System	



Step 6: The password settings can be changed in "System". Confirm the settings with "Modification".

UY			Service and Lan	guage: English 🗸	
	Syste	m Settings —			
Change pas	sword				
New user New pas Confir pas	name: vord: a new rord: Modification				
System info	rmation			_	
Devic	e SN: 20100910				
Status	Network Main strea	m Second stream	Audio	System	

After completing the settings, a "reboot" has to be done. The settings become active after the reboot. In general, changes become active after a reboot has been done. Please note that you can only access the device now with the new IP address and the new password.

	Secup					
Upgrade setting	S					
Upgrade system:	Durchsuchen KeinIt.	. (do not multip up	loading, do not power off	or refresh the page)		
System settings						
Reboot						
Status	Network	Main stream	Second stream	Audio	System	



#### 1.4 Start Live-View

Step 1: Copy the "RTSP stream address" from the status page of the UVE

Secondstream S	Status				
Video output:(H.Z Audio output:(AAC Multicast address RTNP address:Inte SRT address :	64) 1280 * 720 @30 ) 2ch 48K 128000 : rnet unreachable				
Mainstream Liv RTSP stream addre HTTP stream addre	e View ss:rtsp://192.168.0.31: ss:http://192.168.0.31;	554/main 8000/main (ts)			
Secondstream	ive View				
RTSP stream addre HTTP stream addre	ss:rtsp://192.168.0.31: ss:http://192.168.0.31:	554/ext 8000/ext (ts)			
Status	Network	Main stream	Second stream	Audio	System

Step 2: Download the open source software "VLC Media-Player" and install it on your PC

Step 3: Open VLC Media Player

Step 4: Go to Media> Open Network Stream





Step 5: Paste the "RTSP Stream Address" into the bar and press play

Open Media	Network	E Capture Device	_	-		>
Network Protocol Please enter a netw	ork URL:					
http://www.exam rtp://@1234 mms://mms.exam rtsp://server.exam http://www.yourt	ple.com/stream.avi ples.com/stream.asx ple.org:8080/test.s ube.com/watch?v=	c dp gg64x				
] Show <u>m</u> ore options			Play	y 🔽	<u>C</u> ar	ncel