# MSP 226 Quick Start



- 1U Frame
- HDMI 1.3 Output
- H.264 Input
- Controlled by USB
- Preview via Webpage

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## **Product Introduction**

Easy connection of internet web streams to conventional video processing and display equipment is enabled with MSP 226. Connect H.264 internet streaming via IP to large displays with this decoder. MSP 226 offers two HDMI output channels and dual RJ45 connectors for IP input for connection from LAN/WAN.

Configuration of MSP 226 is made via a web browser interface, providing settings connection to web applications and video streams.



## Packing Configuration



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nonew.	0198-24927825



## Hardware Orientation

## Interface







No.	Interface	No.	Interface
1.2	HDMI Output HDMI-A Port	3	USB Control
4	Standard 12V/3A	5.6	H.264 Input RJ45

### **Button Panel**

H.264 1 IN H.264 2 IN →	Format Detection Decoding	Transmitter	HDMI 1 OUT ]→ HDMI 2 OUT
H.264 FORMAT			
176x144 25~60Hz	240x180 25~60Hz	320x180 25~60Hz	320x240 25~60Hz
320x256 25~60Hz	352x228 25~60Hz	352x480 25~60Hz	400x224 25~60Hz
400x320 25~60Hz	480x270 25~60Hz	480x272 25~60Hz	480x320 25~60Hz
480x360 25~60Hz	480x384 25~60Hz	480x480 25~60Hz	544x480 25~60Hz
608x448 25~60Hz	640x360 25~60Hz	640x480 25~60Hz	704x576 25~60Hz
720x404 25~60Hz	720x480 25~60Hz	720x540 25~60Hz	720x576 25~60Hz
850x480 25~60Hz	1024x576 25~60Hz	1280x720 25~60Hz	1680x1056 25~60H
1920x1080 25~60Hz			
HDMI FORMAT			
VESA	1024x768 60Hz	1024x768 75Hz	1024x768 85Hz
1280x800 60Hz	1280x1024 60Hz	1280x1024 75Hz	1280x1024 85Hz
1360x768 60Hz	1366x768 60Hz	1400x1050 60Hz	1440x900 60Hz
1600x1200 60Hz	1680x1050 60Hz	1920x1080 60Hz	
SMPTE	720x480i 60Hz	720x576i 50Hz	1280x720P 50Hz
1280x720P 59.94Hz	1280x720P 60Hz	1920x1080i 50Hz	1920x1080i 59.94H
1920x1080i 60Hz	1920x1080P 25Hz	1920x1080P 29.97Hz	1920x1080P 30Hz
1920x1080P 50Hz	1920x1080P 59.94Hz	1920x1080P 60Hz	



## **Operating Instruction**

## System Connection

Connect the H.264 input port of MSP 226 to the H.264 output port of MSP 225 with network cable.

Connect to the display device, video processor or matrix with HDMI interface to the HDMI output port of MSP 226with HDMI cable.

Connect power cable to device and plug into wall socket. In order to avoid the damage of device, please use the standard power adapter.

## How to Work





## Specification

H 264 Input							
Number of Inputs	2						
Connector	KJ45						
Supported Resolution	176x144   240x180   320x180   320x240   320x256   352x228   352x480						
	400x224   400x320   480x270   480x272   480x320   480x360   480x384						
	480x480   544x480   608x448   640x360   640x480   704x576   720x404						
	720x480   720x540   720x576   850x480  1024x576   1280x720						
	1680x1056   1920x1080						
Refresh Rates	10~60FPS						
Encoding Protocols	H.264 baseline/main/high profile L4.2, MJPEG/JPEG baseline						
Supported Standard	H.264/MPEG-4 AVC						
HDMI Output							
Number of Outputs	2						
Connector	HDMI-A						
Supported Resolution	SMPTE: 480P60   576P50   720P50/60   1080i50/60						
	1080P24/25/30/50/60						
	VESA: 800x600x60   1024x768x60   1280x800x60   1280x1024x60						
	1366x768x60   1440x900x60   1600x1200x60  1680x1050x60						
	1920x1080x60						
Signal Level	TMDS pwl, single pixel input,165MHz bandwidth						
Supported Standard	HDMI 1.3						
Extras							
Communication	USB						
Power Supply	12V DC (via universal Plug Pack)						
Working Environment	0°C~45°C						
Stored Environment	10%~85%						
Net Weight	0.27kg						
Device Dimension	98mm x 92.9mm x 44mm						
Product Warranty	3 years parts and labor warranty						

## **Using Software**

## **Installing Software**

#### **Environment Requirements:**

Processor: 1 GHz or above 32 bit or 64 bit processor

Memory: 2 GB or more

Graphics: Support DirectX 9 128M or above (open AERO effect)

Hard disk space: Above 16G (primary partitions, NTFS format)

Monitor: Resolution must be 1280 x720 pixel or above (it can not display normally if the resolution is lower than 1280 x720)

Operating system: Windows 7 or above (full version, not Ghost version or compact version)



Double click t\_V1.0.0.4\_ icon, it will pop-up the installer language box, select the language, for example, select

"English", and click "OK" to confirm.



Click "Next" to install:





Address: S603-604 Weiye Building Torch Hi-Tech Industrial Development Zone Xiamen, Fujian Province, P.R.C Tel: 00865925771197 Fax: 00865925788216 http://www.rgblink.cn

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Email: sales@rgblink.com

Select "Browse..." to select the MSP software install location:



#### Click "Install":

nstalling Please wait while AVMSP 1.0.0.4	is being installed.	Ģ
Execute: C:\Program Files\AVMS	P\VCP_Driver\VCP_V1.4.0_Setup.exe	
Skipped: gicns.dll		
Skipped: gico.dll		
Skipped: qjp2.dll		
Skipped: gwbmp.dll		
Output folder: C:\Program Files	s\AVMSP\log	
Skipped: 20170111.log		
Output folder: C:\Program Files	s\AVMSP\platforms	
Skipped: qwindows.dll		
Output folder: C:\Program File	s (AVMSP	
Execute: C:\Program Files\AVM	ISP\VCP_Driver\VCP_V1.4.0_Setup.exe	
p://www.rgblink.com		

During installation, it will pop up the window of InstallShield Wizard for Virtual Com port:





(1) If user install the MSP software for the first time, click "Next":

Ready to Install the Program The wizard is ready to begin ins	tallation.		2
If you want to review or change exit the wizard. Current Settings:	e any of your installation s	ettings, click Back.	Click Cancel to
Setup Type:			
Typical			
Destination Folder:			
C:\Program Files\STMicroel	ectronics\Software\		
User Information:			
Name: vira			
Company: Microsoft			
tallShield			
			Const

Then click "Install", as shown in the figure below:





Click "Finish" and complete the installation, as shown in the figure below:



Then it will pop up the window of installation wizard for device driver, click "Next" to complete the installation.

(2) If user have installed the MSP software before, click "Cancel", and it will pop up the window as below:

~	An and the second state of Comments
1	driver V1.4.0 installation?
-	

Click "Yes" to cancel installation.

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Click "Finish" to exit installation.

Then it will pop up the window of installation wizard for device driver, click "Cancel" to exit the installation. Click "Finish" and is ready to run the MSP management software:





### Using Software

#### Log in the Software



Double click the icon AVMSP on the desktop. Log in interface will be enter after opening, the user name is Admin, and there is no password, select "MSP 226", and enter into the software by clicking "Login".



If user want to change the language to Chinese, click the drop down arrow after "Language" and select "Chinese", as shown in the figure below, then click "Login" to enter into the software.





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MSP management software interface is shown as follows.

	100.0		100 100					- G <b>- X</b> -
<b>WMSP</b>	р surt	Corput Set	CCR Network Set	System Set	Factory Asset	[ <b>→</b>		

MSP management software contains the functions including: web links, search, output set, network set, system set, factory reset and logout. In the following parts, we will introduce these in detail.

### Web Links

MSP management software sets up the web links. Click the web links icon and enter the company's website, as shown in the figure below:

on the top left corner,



#### **Connect the Device**

First, set up the device IP, and ensure the IP of the computer and device is on the same network segment. Connect the MSP management software to the computer with the network cable and power up the device. Then, click the shortcut "Search" on the operation interface.





Then it will search the device, and show the device name, device number and connect information after search, as shown in the figure below:



Finally, click the device to connect, as shown in the figure below:



The software will enter to the Output Set interface after connection, as shown in the figure below:



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110 220	1010 10 1		5 Falls 188						OBA
<b>AWMSP</b>	Q. serts	evque Sec	Car Norman Sat	siyatara dist	<u>C</u>	C→ √Auset 0.0011			
			Output Set				-×		
			Display Mode Diff V	indexs 😨		Set One mindow V			
			HEMEL						
			width/Height 1920	(1050)		seight 1920v1090p			
			Freq 60	7 54	Freq	60 🗸	Set		
			HONEL-URL						
			URL1 rtsp://admin.admin	@192.168.0.222/0	e URL1	rtsp://admin:admin@192.166.0.222/3	Sec		
			URL2 rtsp://admin.admin	0192.168.0.222/3	et 1912	rtsp://admin:admin@192.168.0.222/0	54		
			URL3 rtsp://admin.admin	@192.165.0.222/0	< URJ	rtsp://admin:admin@192.168.0.222/3	54		
			URL4 rtsp://admin.admin	@192.168.0.222/3	K URL4	rtsp://admin:admin@192.168.0.222/0	5et		
			UILS rtsp		< URIS	rtap	Set		
			URL6 rtsp	8	et URL6	rtsp	Sit		
			URL7 rtsp		< UR17	rtsp	Set		
			URLD ITSP		e urus	rtsp	54		
					: NI		Set Al		

#### **Output Set**

Click "Output Set", and enter to the interface as follows:

/WMSP	Colored 196	Concern Set	Pystam: Zet	PECTOY REME	[ <b>-&gt;</b>		

Click "Output Set", and pop-up window as follows:

outpu	t Set								<b>X</b>
Display	Mode	Diff Windows			Window	v Set	One Window		
HDMI1					HDMI2				
Width/H	Vidth/Height 1920x1080p 🔽				Width/Height		1920x1080p 🔽		
Freq	60 🗸		Set	Freq		60		Set	
HDMI1-	URL				HDMI2	-URL			
URL1	rtsp://admir	Set	URL1	rtsp://admir	168.0.222/3	Set			
URL2	rtsp://admir	admin@192.1	68.0.222/3	Set	URL2	rtsp://admir	Set		
URL3	rtsp://admir	admin@192.1	68.0.222/0	Set	URL3	rtsp://admir	Set		
URL4	rtsp://admir	admin@192.1	68.0.222/3	Set	URL4	rtsp://admir	Set		
URL5	rtsp			Set	URL5	rtsp	Set		
URL6	rtsp			Set	URL6	rtsp	Set		
URL7	rtsp			Set	URL7	rtsp	Set		
URL8	rtsp			Set	URL8	rtsp			Set
				Set All					Set All

**Display Mode:** Click the pull-down menus, diff windows and same windows can be selected. **Window Set:** Click the pull-down menus, one window, four windows and eight windows can be selected.

HDMI1/HDMI2: Set the width/height of HDMI1/HDMI2, click "Set" to confirm.

HDMI1-URL/HDMI2-URL: Check the address of the network camera, and input the address in URL box.



#### **Network Set**

**!!** ۰ 0 [→ Ω

Click "Network Set", and enter the interface as follows:

Click "Network Set", user can set IP address, Mask, GateWay, DNS and MAC. As shown in the figure below:

NetWork Setting				
Network				
IP Address	192	168	0	204
Mask	255	255	255	- 0
GateWay	192	168	0	1
DNS	1	222	2	0
MAC	00	00 12	ab	20 10
				Setting

### System Set

Click "System Set", and enter the interface as follows:





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SerialPort Set and System Info are included in system set, specific as follows:

#### SerialPort Set

Click "SerialPort Set", and pop-up window as follows:



Select the corresponding serial number. If select "Search by this configuration", the software will search all the devices with corresponding serial number.

#### System Info

Click "System Info", and pop-up window as follows:

🚾 SystemInfo	X
SystemInfo	
DeviceType	MSP 226
Verison	1.0
SN	0000
Software ver	1.2
Hardware ver	1.0
Board ver	H.264
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Display the device type, software version, serial number, software, hardware and board version.

### **Factory Reset**

Click "Factory Reset", and pop-up window as follows:



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Select "OK", all the settings will be recover to factory setting.



### Logout

Click the "Logout", and enter the interface as follows:

Whether logout	the software!
Cancel	ОК

Click "OK" will logout the software.



## **Contact Information**

### Warranty:

All video products are designed and tested to the highest quality standard and backed by a full 3 years parts and labor warranty. Warranties are effective upon delivery date to customer and are non-transferable. RGBlink warranties are only valid to the original purchase/owner. Warranty related repairs include parts and labor, but do not include faults resulting from user negligence, special modification, lighting strikes, abuse(drop/crush), and/or other unusual damages.

The customer shall pay shipping charges when unit is returned for repair.

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