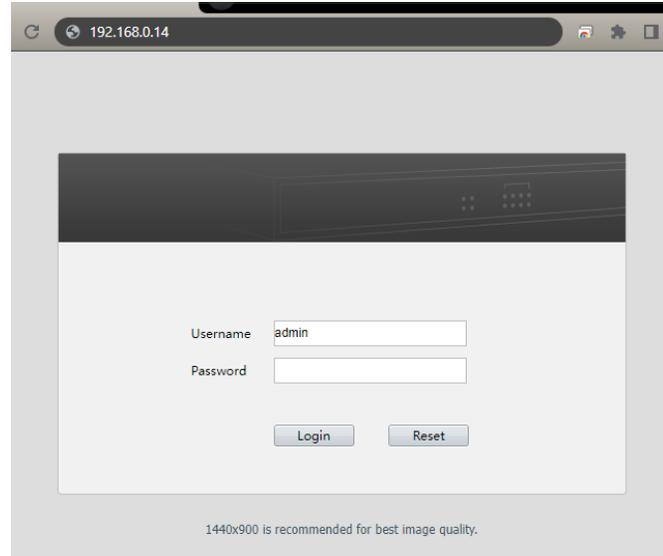


ACCESS SETUP MENU

As the display output of the DC4K is for camera view the setup must be accessed with a browser. The default IP address is 192.168.0.14. If it's necessary to locate the DC4K using Guard Tool, the computer must be using the same IP scheme.

To access the setup, from a computer open the browser. In the browser address bar type the IP address that is in the DC4K.

The login for user name and password is admin and admin. If the password has been changed and no longer known then the DC4K will need to be reset.



SYSTEM RESET

If you are unable to locate the DC4K you might need to default it to bring it back to a known IP address. On the side of the unit is a button labeled as RST.

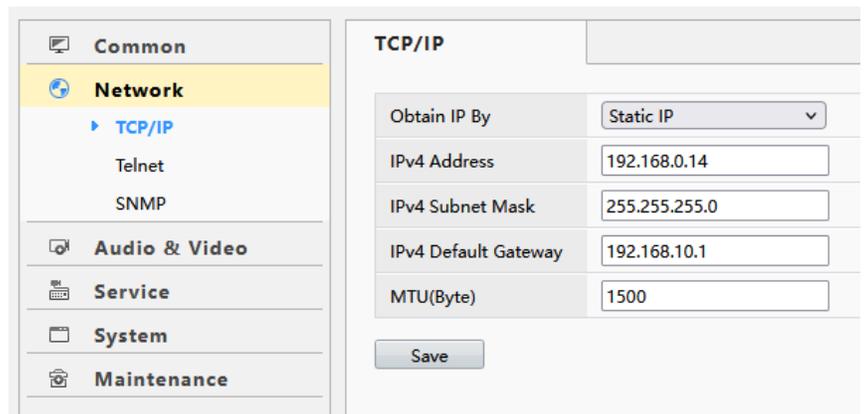
Push and hold it for 10 seconds. After releasing it might take a couple of minutes for the DC4K to be accessible again. As well all user setting will be set back to their original default.



NETWORK SETTINGS

Ensure that the DC4K is connected to the network. Only use one of the Ethernet ports.

To change the network settings go to TCP/IP under Network.



DISPLAY SETTINGS

Go to Video under Audio & Video.

Split Screen is used to select the desired screen layout.

Display Mode is used to select the desired output resolution.

Note VGA is limited to
1920x1080
HDMI is limited to
3840x2160

The screenshot shows the 'Video' settings page. On the left is a navigation menu with categories: Common, Network, Audio & Video (selected), Service, System, and Maintenance. Under 'Audio & Video', there are sub-items: Audio, Video (selected), and Media Stream. The main content area is titled 'Video' and contains the following settings:

- Output Channel: Output Channel1 (dropdown)
- Split Screen: 16 (dropdown)
- Display Mode: 1920X1080(1080P)@60Hz (dropdown)

Below these settings is a note: "Note: 3840x2160(4K)@30Hz/60Hz is available only for HDMI output." and a 'Save' button.

Media Stream is used to enter the video source information.

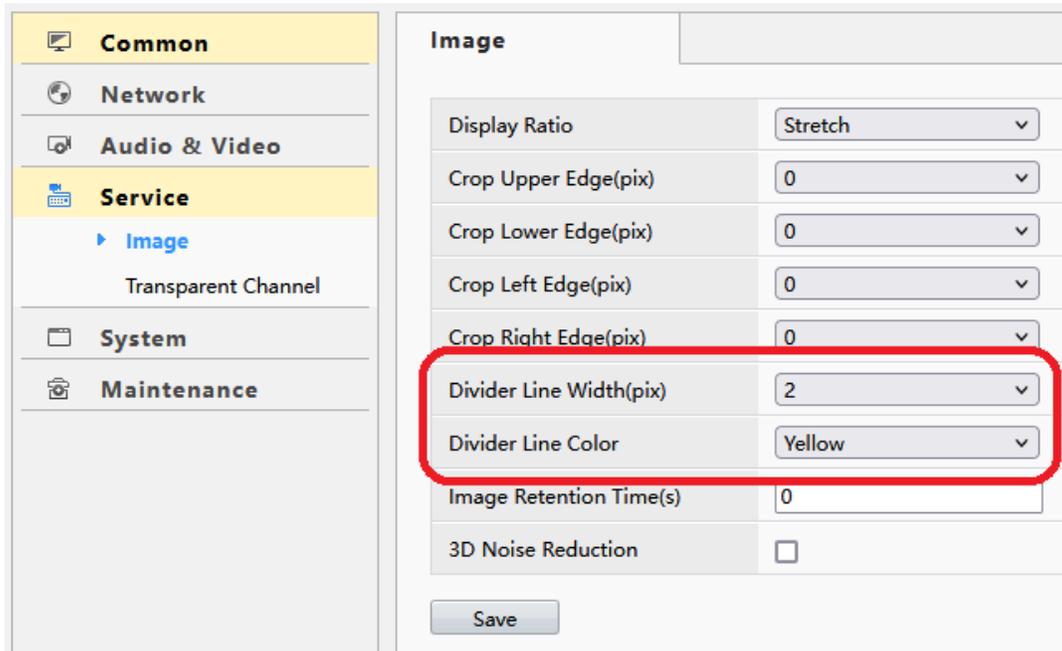
The screenshot shows the 'Media Stream' settings page. On the left is a navigation menu with categories: Common, Network, Audio & Video (selected), Service, System, and Maintenance. Under 'Audio & Video', there are sub-items: Audio, Video, and Media Stream (selected). The main content area is titled 'Media Stream' and contains the following settings:

- Output Channel: Output Channel1 (dropdown)
- Screen Layout: A 2x2 grid with buttons labeled 1, 2, 3, and 4.
- Stream Address (Window 1): rtsp://admin:123456@192.168.0.220/media/video1
- Stream Address (Window 2): rtsp://admin:123456atv!@192.168.0.215/media/video1
- Stream Address (Window 3): rtsp://admin:123456@192.168.0.212/media/video1
- Stream Address (Window 4): rtsp://admin:123456@192.168.0.211/media/video1
- Stream Address Format(UDP): udp://@:60000
- Stream Address Format(TCP): tcp://206.8.0.10:60000 [server=0] [vod=0] [nat=0] [sessionid=...]
- Stream Address Format(RTSP): rtsp://206.8.0.10[:554]/media/video1 [username=admin] [password=admin]

At the bottom, there is a note: "[streamprotocol=1] [broadcastmethod=0]" and a 'Save' button.

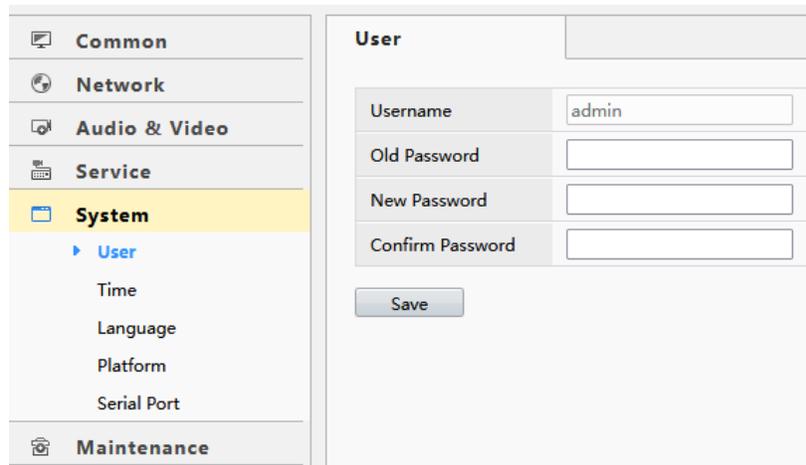
While UDP and TCP information may be entered, RTSP is the most common. Although up to 16 cameras can be displayed they would be limited to 1920x1080 resolutions. Since the DC4K does not transcode the video this would need to be configured at the source which is the camera. RTSP settings can be obtained from the camera manufacturer.

If it's desired to have a dividing line between video streams this can be enabled in the Image menu under Service.



PASSWORD

Password change for the DC4K can be done on the User screen under System.



MAINTENANCE

Within maintenance the DC4K can be restarted (Restart), setup can be exported (Export), setup can be loaded (Import Configuration) and setup can be defaulted (Restore). Export Logs is used when diagnostic information is requested by our support group.

Upgrade is used to upgrade the system firmware. Normally after upgrading the DC4K needs to be defaulted using the reset button.

The screenshot shows a web interface with a sidebar on the left and a main content area on the right. The sidebar contains a list of menu items: Common, Network, Audio & Video, Service, System, and Maintenance. The Maintenance menu item is highlighted in yellow and has a sub-menu with Maintenance, Device Status, and Decoding Status. The main content area is titled 'Maintenance' and contains several sections:

- Restart**: A button labeled 'Restart' with the text 'Restart Device' to its right.
- Restore**: A button labeled 'Restore' with the text 'All settings will be restored to factory default except network and user settings.' to its right.
- Export**: A button labeled 'Export' with the text 'Export Configuration File' to its right.
- Export Logs**: A button labeled 'Export Logs' with the text 'Export Logs' to its right.
- Import Configurations**: A section with a text input field, a 'Browse' button, and an 'Import' button.
- Upgrade**: A section with a text input field, a 'Browse' button, and an 'Upgrade' button.

At the bottom of the main content area, there is a blue note: *Note: Do not disconnect power or perform any other operation during upgrade.*

Device Status shows much of the current status of the DC4K

 Common	<h3>Device Status</h3> <table border="1"><thead><tr><th colspan="2">Basic</th></tr></thead><tbody><tr><td>Device Model</td><td>DC4K</td></tr><tr><td>Software Version</td><td>R3708P64</td></tr><tr><td>Hardware Version</td><td>A</td></tr><tr><td>Bootloader Version</td><td>1.27</td></tr></tbody></table> <table border="1"><thead><tr><th colspan="2">Network</th></tr></thead><tbody><tr><td>IP Address</td><td>192.168.10.140</td></tr><tr><td>Subnet Mask</td><td>255.255.255.0</td></tr><tr><td>Default Gateway</td><td>192.168.10.1</td></tr><tr><td>NIC1</td><td>Connected/1000M</td></tr><tr><td>NIC2</td><td>Disconnected</td></tr></tbody></table> <table border="1"><thead><tr><th colspan="2">Status</th></tr></thead><tbody><tr><td>Management Mode</td><td>Standalone</td></tr><tr><td>System Time</td><td>2022-04-12 02:30:41</td></tr><tr><td>Running time</td><td>70 Day(s) 0 Hour(s) 3 Minute(s)</td></tr><tr><td>Device Temperature</td><td>43°C</td></tr><tr><td>CPU Usage</td><td>1%</td></tr><tr><td>Memory Usage</td><td>71%</td></tr></tbody></table>	Basic		Device Model	DC4K	Software Version	R3708P64	Hardware Version	A	Bootloader Version	1.27	Network		IP Address	192.168.10.140	Subnet Mask	255.255.255.0	Default Gateway	192.168.10.1	NIC1	Connected/1000M	NIC2	Disconnected	Status		Management Mode	Standalone	System Time	2022-04-12 02:30:41	Running time	70 Day(s) 0 Hour(s) 3 Minute(s)	Device Temperature	43°C	CPU Usage	1%	Memory Usage	71%
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Decoder Status is a diagnostic display. It will indicate most issues that might be encountered if the DC4K is unable or having an issue displaying video streams.

- Common
- Network
- Audio & Video
- Service
- System
- Maintenance**
- Maintenance
- Device Status
- ▶ Decoding Status

Decoding Status

Output Channel Output Channel1 ▾

Split Screen 4

Display Mode 1920X1080(1080P)@60Hz

Remaining Decoding Capacity 3840X2160(4K)@30Hz

Wi	Video	Stream Address	Decoding Status	Lost	Total Packets	Packet
1	H265	rtsp://admin:123456@192.168.10.220/media/video1	2560X1440@25Hz	0	26639982	0
2	H265	rtsp://admin:123456atv!@192.168.10.215/media/vid...	2880X1624@25Hz	0	19551053	0
3	H265	rtsp://admin:123456@192.168.10.212/media/video1	2880X1624@25Hz	0	19764419	0
4	H265	rtsp://admin:123456@192.168.10.211/media/video1	4096X1800@25Hz	0	50369372	0