## Kraken Edge Quick Start Guide

Kraken Edge Media/Transcoder System



This Quick Start Guide provides the steps required to install and connect to your Kraken Edge Media or Transcoding appliance.

For detailed Kraken configuration and operation information, please refer to the User's Guide (available on the InfoCenter at https://doc.haivision.com).

For the default credentials, refer to the *Important Notice* (postcard shipped with the appliance). You may download the *Important Notice* as well as the latest software and Release Notes through the Download Center on the Haivision Support Portal (http://support.haivision.com).

#### **Guide Contents**

- Install the Kraken
  - Connect the Kraken
- Change the Network Settings
- Access the Web Interface
- Set Up Transcoding and Encoding
- Waste Electrical and Electronic Equipment (WEEE) Disposal

# Safety Guidelines

Use the following guidelines when unsafe conditions exist or when potentially hazardous voltages are present:

- Always use caution and common sense.
- To reduce the risk of electrical shock, do not operate equipment with the cover removed.
- Repairs must be performed by qualified service personnel only.

Improper handling and/or installation practices of sensitive equipment may VOID the warranty.

## Caution

When handling components, or when setting switch options, always use an antistatic wrist strap connected to a grounded equipment frame or chassis. *If a wrist strap is not available, periodically touch an unpainted metal surface on the equipment.* Never use a conductive tool, such as a screwdriver or a paper clip, to set switches.

## Waste Electrical and Electronic Equipment (WEEE) Disposal



In accordance with the European Union (EU) WEEE Directive, Haivision products that fall within the scope of the WEEE, are labeled with the above symbol, and customers are encouraged to responsibly recycle their equipment at the time of disposal. Haivision also offers its customers the option of returning Haivision equipment to facilitate its environmentally sound disposal.

For more information, please visit our website at: https://www.haivision.com/environment.

## Install the Kraken

1. Open the box, verify the contents, and visually inspect the items for any shipping damage. If necessary, contact Haivision for return instructions.

## <sup>2.</sup> **Note**

The Kraken Edge is an indoor appliance and should be kept in a dry, dust free environment.

#### 🔥 Caution

When mounting in a server rack, refer to your rack vendor's documentation as well as the included rack mount instructions in the rail kit provided with your system. Improper rack mounting could cause serious harm to equipment and/or people near the rack. Please be sure to properly and securely mount your hardware.

## 🔥 Caution

This equipment is susceptible to damage by static electricity. Proper handling and grounding is essential. Use a grounded antistatic wrist strap, foot strap, or equivalent safety equipment to prevent Electrostatic discharge (ESD) when you install the appliance. Do not open the appliance. There are no user-serviceable parts inside the unit. Making unauthorized changes will void the warranty.

#### 🔥 Caution

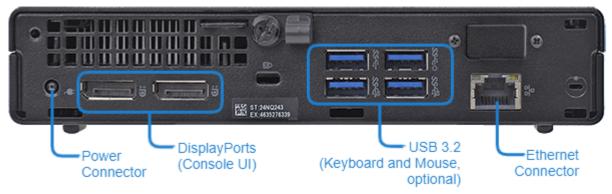
**Hot surface. Avoid contact.** The chassis can achieve a surface temperature 75°C in poorly ventilated environments, and may cause personal injury if touched. *Surface chaude. Éviter le contact.* Le châssis peut atteindre une température de surface de 75°C dans des environnements mal ventilés et peut causer des blessures en cas de contact.

## 🔶 Warning

This unit is intended for installation in restricted access areas. A restricted access area can be accessed only through the use of a special tool, lock and key, or other means of security. *Ce produit est destiné à être installé dans une zone d'accès restreint. Les zones d'accès limité sont protégées par un mécanisme spécifique, une serrure et une clé ou tout autre dispositif de sécurité.* 

## Connect the Kraken

Kraken Edge (Rear Panel)



- 1. To connect to the unit via the Web interface or SSH:
  - Connect an RJ45 Ethernet cable (CAT5) cable to the RJ45 connector on the Kraken Edge rear panel.
  - Connect the other end of the cable to the network.
- 2. To directly connect to the Kraken CR console UI:
  - Connect the **DisplayPort** to a monitor. Use an HDMI or DVI adapter, if required.
  - Connect a mouse and keyboard to the **USB** ports.

# Haivision Power button / LED

Kraken Edge (Front Panel)

- 1. Plug the DC connector into the power connector at the rear of the unit.
- 2. Plug the power cord into the AC adapter.
- 3. Plug the cord into a grounded AC power source. (Refer to Caution under Physical Installation.)

# HAIVISION

#### 6 Note

Power LED Indications			
GREEN	Kraken Edge is On.		
OFF	Kraken Edge is Off.		
Power button Usage			
Soft Shutdown	Depress Power button.		
Hard Shutdown	Depress Power button and hold for 4 seconds.		

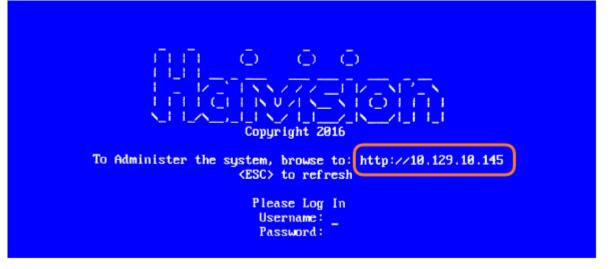
# Change the Network Settings

#### 🔥 Note

After first boot, the device is configured for a static IP address as defined in the *Important Notice*. Prior to accessing the main Web interface, you must configure the device with a valid IP address and gateway to work in your environment. The following section takes you through the steps to update your network settings using the Console UI.

To change the network settings of the device:

1. Once the Console UI welcome screen appears on the attached monitor, locate the IP Address assigned to the device as noted on the welcome screen.



- 2. Log in to the Console UI using the credentials provided in the Important Notice.
- 3. In the navigation sidebar, use the ↑↓ (up and down arrow) keys to highlight **Network Settings**, and then press the **Enter** key.
- 4. Using the ↓ (down arrow) to step through all the Network Settings, change the Hostname, IP Address, Gateway Address, Boot Protocol (DHCP or static), and any other settings as necessary.

#### 🔒 Note

- In the Boot Protocol textbox you must type either 'dhcp' or 'static'.
- Depending on your SSH client settings, the console window might not display all the available settings. For instance, "Boot Protocol" may not be visible if your screen height is not large enough.

# HAIVISION

Wetter justinger:       [9:107]         Test JP Addr: [10:09:10:1]       [10:09:10:1]         Search Demain Haivision.com       [10:09:10:1]         Search Demain Haivision.com       [10:09:10:1]         Reb (Corr Protocol):       [http://documents/listics/l	General Info				
Gitway Addf: 10:00:10:1         Withmask: 255:255:254.0         Withmask: 255:255:254.0         Withmask: 255:255:254.0         Withmask: 255:255:254.0         Withmask: 255:255:254:0         Withmask: 255:255:254:0         Withmask: 255:255:254:0         Withmask: 255:255:255:254:0         Withmask: 255:255:255:254:0         Withmask: 255:255:255:254:0         Withmask: 255:255:25:25:25:25:25:25:25:25:25:25:25	Netwo Hostname: qal67				
<pre>ketaaki: 255.255.254.0 bis1: 10.69.0.10 bis2: 10.65.0.10 bis2: 10.65.0.10 bis2: 10.65.0.10 bis2: 10.65.0.10 bis2: bis2.bis2.bis2.bis2.bis2.bis2.bis2.bis2.</pre>	Test IP Addr: 10.69.10	.167			
Court       UNS1: [00.00.00         Search Domains[haivision.com         Stel C       hTF: pool.ntp.org         Boot Protocol: dhcp       (enter)OK (esc)Cancel         Court       Court         Boot Protocol: dhcp       (enter)OK (esc)Cancel         If your device supports IPv6, the network settings page contains both IPv4 and IPv6 settings:         Primere Domains[] (Scalewain         relation (primere Domains])         Primere Domains[] (Scalewain         relation (primere) (Scalewain     <	Syste Gateway Addr: 10.0	69.10.1			
Press       Protocol:         General Description       General Description Communication Communicon Communicon Communication Communication Communicati	Chang Netmask: 255.255.2	254.0			
Press       DNS2: [0.65.0.10         Search Domains/haivision.com         HTP: pool.ntp.org         Boot Protocol: dhcp         (enter)OK (esc)Cancel         If your device supports IPv6, the network settings page contains both IPv4 and IPv6 settings:         riser boad: [Databat: Decidemain         riser boad: [Databat: [Databat: Decidemain         riser boad: [Databat: Decidemain         riser boad: [Databat: [Databat: [Databat: Decidemain         riser boad: [Databat: [Databat: [Databat: [Databat: Decidemain         riser boad: [Databat: [Databat					
<pre>search Domainshaivision.com     WTP: pool.ntp.org     boot Protocol: dhcp         (enter)OK (esc)Cancel</pre>	Chang				
Set i       WTP: pool.ntp.org         Boot Protocol: dhtp       (enter)OK (esc)Cancel         Image: Set in the set in					
Rebot       Protocol: dicp         Log 0       (enter)OK (esc)Cancel         Image: contrained contract of the contend of the contract of the contend of the contract of					
Log 0       (enter)0K (esc)Cancel         Image: Control (control (contro) (contro) (control (contro) (control (control (cont					
Note If your device supports IPv6, the network settings page contains both IPv4 and IPv6 settings:   Votame:   Votame:   Secondry UP:	Reboo Boot Protocol: dha	ср			
If your device supports IPv6, the network settings page contains both IPv4 and IPv6 settings:	Log O	(enter)OK (esc)Cancel			
If your device supports IPv6, the network settings page contains both IPv4 and IPv6 settings:					
If your device supports IPv6, the network settings page contains both IPv4 and IPv6 settings:					
Hostname: [bocalhost.localdomain Primary DMS: [192,168,0,1 Secondary DMS: ] Search Domains: [localdomain NTP: pool.ntp.org IPv4 Enabled [y[n]: y IPv4 Addr: [192,168,0,217 IPv4 Addr: [192,168,0,217 IPv4 Gateway Addr: [192,168,0,1 IPv4 Gateway Addr: [192,168,0,1 IPv4 Hostmask: 255,255,0 IPv4 Hostmask: 255,255,0 IPv4 Boot Protocol [dhcp[static]: dhcp IPv6 Enabled [y[n]: n IPv6 Gateway: IPv6 Enabled Address: IPv6 Gateway: IPv6 Enabled Address: IPv6 Enabled IP[n]:	🔥 Note				
Hostname: [bocalhost.localdomain Primary DM5: [192.168.0.1 Secondary DM5: ] Search Domains: [localdomain NTP: pool.ntp.org IPv4 Enabled [y n]: y IPv4 Addr: [192.168.0.217 IPv4 Addr: [192.168.0.217 IPv4 Addr: [192.168.0.1 IPv4 Gateway Addr: [192.168.0.1 IPv4 Hostmask: 255.255.0 IPv4 Hostmask: 255.255.0 IPv4 Boot Protocol [dhcp[static]: dhcp IPv6 Enabled [y n]: n IPv6 Gateway: IPv6 Enabled Address: IPv6 Enabled Address: IPv6 Enabled Address: IPv6 Enabled IP(n]: n IPv6 Enabled IP(n]:	If your dovice	supports IDV6 the notwork setting		contains both IDy	(1 and IDV6 sattings)
Secondary DNS: Search Domains: localdomain NTP: pool.ntp.ong IPv4 Enabled [y n]: ly IPv4 Addr: 192.168.0.217 IPv4 Gateway Addr: 192.168.0.1 IPv4 Netmask: 255.255.255.0 IPv4 Netmask: 255.255.255.0 IPv4 Netmask: 255.255.255.0 IPv6 Enabled [y n]: n IPv6 Global Address: IPv6 Global Address: IPv6 Global Address: IPv6 Gateway: IPv6 Gateway: IPv6 Link-Local Addr: IPv6 Privacy Extension [y n]:			is page		4 and IF vo settings.
Search Domains: localdomain NTP: pool.ntp.org IPv4 Enabled [y n]: y IPv4 Addr: 192.168.0.217 IPv4 Gateway Addr: 192.168.0.1 IPv4 Gateway Addr: 192.168.0.1 IPv4 Boot Protocol [dhcp static]: dhcp IPv4 Boot Protocol [dhcp static]: dhcp IPv6 Gateway: IPv6 Gateway: IPv6 Gateway: IPv6 Gateway: IPv6 Boot Protocol [dhcp static]:	Primary DN5: 192.168.0.1				
NTP: pool.ntp.org	Secondary DNS:				
IPv4 Enabled [y n]: y   IPv4 Addr: 192.168.8.217   IPv4 Gateway Addr: 192.168.8.1   IPv4 Netmask: 255.255.255.0   IPv4 Boot Protocol [dhcp]static]: dhcp	Search Domains: localdomain				
IPv4 Addr: 192.168.0.217   IPv4 Gateway Addr: 192.168.0.1   IPv4 Netmask: 255.255.255.0   IPv4 Boot Protocol [dhcp]static]: dhcp   IPv6 Enabled [y n]:   n   IPv6 Global Address:   IPv6 Gateway:   IPv6 Gateway:   IPv6 Enxilonal Addr:   IPv6 Boot Protocol [duc]static]:   IPv6 Boot Protocol [auto]dhcp]static]:	NTP: pool.ntp.org				
IPv4 Addr: 192.168.0.217   IPv4 Gateway Addr: 192.168.0.1   IPv4 Netmask: 255.255.255.0   IPv4 Boot Protocol [dhcp]static]: dhcp   IPv6 Enabled [y n]:   n   IPv6 Global Address:   IPv6 Gateway:   IPv6 Gateway:   IPv6 Enxilonal Addr:   IPv6 Boot Protocol [duc]static]:   IPv6 Boot Protocol [auto]dhcp]static]:					
IPv4 Gateway Addr: 192.168.0.1   IPv4 Netmask: 255.255.255.0   IPv4 Boot Protocol [dhcp]static]: dhcp   IPv6 Enabled [y n]: n IPv6 Global Address: IPv6 Gateway: IPv6 Gateway: IPv6 Link-Local Addr: IPv6 Privacy Extension [y n]: IPv6 Boot Protocol [auto]dhcp]static]:					
IPv4 Netmask: 255.255.255.255.0   IPv4 Boot Protocol [dhcp static]: dhcp   IPv6 Enabled [y n]:   n n   IPv6 Global Address: n   IPv6 Gateway: n   IPv6 Link-Local Addr: n   IPv6 Privacy Extension [y n]: n   IPv6 Boot Protocol [auto dhcp static]: n		×1			
IPv6 Enabled [y n]:   IPv6 Global Address:   IPv6 Gateway:   IPv6 Gateway:   IPv6 Link-Local Addr:   IPv6 Privacy Extension [y n]:   IPv6 Boot Protocol [auto dhcp static]:					
IPv6 Global Address:         IPv6 Gateway:         IPv6 Link-Local Addr:         IPv6 Privacy Extension [y n]:         IPv6 Boot Protocol [auto dhcp static]:	IPv4 Boot Protocol [dhcp sta	tic]: dhcp			
IPv6 Global Address:         IPv6 Gateway:         IPv6 Link-Local Addr:         IPv6 Privacy Extension [y n]:         IPv6 Boot Protocol [auto dhcp static]:					
IPv6 Gateway: IPv6 Link-Local Addr: IPv6 Privacy Extension [y n]: IPv6 Boot Protocol [auto]dhcp[static]:	IPv6 Enabled [y n]: <mark>n</mark>				
IPv6 Link-Local Addr: IPv6 Privacy Extension [y n]: IPv6 Boot Protocol [auto]dhcp static]:	IPv6 Global Address:				
IPv6 Privacy Extension [y n]: IPv6 Boot Protocol [auto]dhcp static]:					
IPv6 Boot Protocol [auto dhcp static]:					
(enter)OK (esc)Cancel	IPv6 Boot Protocol [auto dhc				
		(enter)OK (esc)Cancel			

5. Press the **Enter** key to save your changes and return to the main screen.

#### 🔒 Note

After pressing Enter, it takes a few seconds for the settings to be saved. The system may seem unresponsive during this time.

6. Select Log Out and then press the Enter key to exit the Console UI.

For more details, refer to Using the Console UI with Haivision Hardware.

## Access the Web Interface

To access the device's Web interface:

- 1. On another computer connected to the same network, open a Web browser.
- 2. Enter the device's assigned IP address. For example, if the IP Address is 10.5.1.4, enter a URL of https://10.5.1.4.
- 3. When a browser accesses the website, it requests a security certificate to confirm that the site is trusted.

The device ships with a self-signed SSL certificate key set which works with any configured server hostname. However, Web browsers do not consider self-signed certificates to be trusted, because they are not signed by a Certificate Authority. Consequently, when accessing the website with a self-signed certificate, users see a security warning and are prompted for authorization as shown below. Responses may vary depending upon the browser used.

Your connection is not private
four connection is not private
Attackers might be trying to steal your information from <b>10.69.10.175</b> (for example, passwords, messages, or credit cards). Learn more
NET::ERR CERT COMMON NAME INVALID
Help improve security on the web for everyone by sending URLs of some pages you visit, limited system information, and some page content to Google. Privacy policy.
Advanced Back to safety

#### (i) Important

Before proceeding or adding an exception for the site, check with your administrator on the correct response.

4. Sign in using one of the credentials provided on the *Important Notice* included with your device.

## 🕑 Tip

For security purposes, be sure to change the default passwords! See Changing Your Password in the User's Guide.

#### The Web interface opens to the Streams List View.

	Link to F	Home (Streams I	ist view) —				
HAIVISION Kraken			Welcom	e haiadmin (Sign ou	t) 😒	<b>\$ 0</b>	— Toolbar
Streams					dd	Apply	Click to add a stream
GENERAL SETTINGS Streams						<b>\$</b>	
Inputs Transcoders Outputs Metadata	Name	Input	Transcoder	Outputs	Ac	tions	
Sideba	ar			ist View			

## Set Up Transcoding and Encoding

To set up transcoding, you need to define:

- **Inputs** the source URL, or an SDI or Analog Composite Input (applicable hardware server or appliance, cloud or virtual machine instance) for baseband input encoding
- Transcoders audio and video characteristics to change
- Outputs one or more output URLs
- Streams select from defined Inputs, Outputs, Transcoders, and (optionally) Metadata sources.

You may optionally configure Kraken to capture KLV or CoT **Metadata** from a UDP network source or from the SDI or Serial Input interface.

For detailed configuration and operation information, please refer to the Kraken User's Guide.

## Waste Electrical and Electronic Equipment (WEEE) Disposal



In accordance with the European Union (EU) WEEE Directive, Haivision products that fall within the scope of the WEEE, are labeled with the above symbol, and customers are encouraged to responsibly recycle their equipment at the time of disposal. Haivision also offers its customers the option of returning Haivision equipment to facilitate its environmentally sound disposal.

For more information, please visit our website at: https://www.haivision.com/environment.

## Obtaining Documentation

This document was generated from the Haivision InfoCenter. To ensure you are reading the most up-todate version of this content, access the documentation online at https://doc.haivision.com. You may generate a PDF at any time of the current content. See the footer of the page for the date it was generated.

## **Getting Help**

General Support	North America (Toll-Free) <b>1 (877) 224-5445</b>	
	International 1 (514) 334-5445	
	and choose from the following: Sales - 1, Cloud Services - 3, Support - 4	
Managed Services	U.S. and International 1 (512) 220-3463	
Fax	1 (514) 334-0088	
Support Portal	https://support.haivision.com	
Product Information	info@haivision.com	