

Leading solution provider of IP-based video transmission

Deployment & User Manual

KiloLink Server Free (Linux System)

(2022-5 version)

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1 KiloLink Server Free Deployment

1.1 Preparations

(1) Hardware

Processor: Intel Core i3 CPU or higher

Hard disk: 64G hard disk or higher

RAM: 4GB RAM or higher

(2) Software

Operating system: Linux64-bit operating system (Ubuntu 18.04+ / Debian 9+)

- (3) Network
- IP address: one public IP address

Bandwidth: Plan according to the network situation, it is recommended to configure at

least 4Mbps.

Port: The server needs to use the following ports. If there is a firewall in the server's network, the related ports need to be opened. Therefore, please make sure below ports are open.

Port	Protocol
83	TCP
50000	UDP

1.2 Logging In

Login to the server by remote terminal software, Xshell or PuTTy is recommended Xshell download link: https://www.netsarang.com/zh/xshell-download/ PuTTy download link: https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html 1) After downloading and installing, enter the server IP address in the new session, and chooses "SSH" protocol. The port number is 22 by default. Click "OK" when finished

				~
Category: Connection Authentication Login Prompts Login Scripts SSH SSH Security Tunneling SFTP TELNET	Connection General Name: Protocol: Host: Port Number:	server name SSH ~ server IP address 22 •		
RLOGIN SERIAL Proxy Keep Alive Terminal Keyboard VT Modes Advanced Appearance Window	Description: Reconnect Reconnect auto Interval:	omatically if connection is terminated unexperience of the sec Limit: 0	ectedly	
Highlight Highlight Highlight Advanced Trace Bell Logging File Transfer X/YMODEM ZMODEM	TCP Options	orithm Connect OK	Cance	

(2) Enter the username and password in the pop-up dialog box, the users need "sudo"

to obtain management authorization or login as the root user. Enter the following

commands in the terminal:

sudo su -

1.3 Deployment steps

Step 1: Install docker

Enter the command in the terminal window: curl -fsSL https://get.docker.com | bash

root@VM-4-13-ubuntu	:/home# curl -fsSL https://get.docker.com bash							
# Executing docker install script, commit: 93d2499759296ac1f9c510605fef85052a2c32be								
+ sh -c 'apt-get update -gq >/dev/null'								
+ sh -c 'DEBIAN FRONTEND=noninteractive apt-get install -y -qq apt-transport-http <u>s ca-certificates curl >/d</u>								
ev/null'								
+ sh -c 'curl -fsSL	"https://download.docker.com/linux/ubuntu/gpg" gpgdearmoryes -o /usr/share/keyr							
ings/docker-archive	-keyring.gpg'							
+ sh -c 'echo "deb	[arch=amd64 signed-by=/usr/share/keyrings/docker-archive-keyring.gpg] https://download.d							
ocker.com/linux/ubu	ntu focal stable" > /etc/apt/sources.list.d/docker.list'							
+ sh -c 'apt-get up	date -gg >/dev/null'							
+ sh -c 'DEBIAN FRO	NTEND=noninteractive apt-get install -y -ggno-install-recommends docker-ce-cli docke							
r-scan-plugin docke	r-ce >/dev/null'							
+ version gte 20.10								
+ '[' -z '' ']'								
+ return 0								
+ sh -c 'DEBIAN FRO	NTEND=noninteractive apt-get install -y -qq docker-ce-rootless-extras >/dev/null'							
+ sh -c 'docker ver	sion'							
Client: Docker Engin	ne - Community							
Version:	20.10.8							
API version:	1.41							
Go version:	gol.16.6							
Git commit:	3967b7d							
Built:	Fri Jul 30 19:54:27 2021							
0S/Arch:	linux/amd64							
Context:	default							
Experimental:	true							
Server: Docker Engin	ne - Community							
Engine:								
Version:	20.10.8							
API version:	1.41 (minimum version 1.12)							
Go version:	gol.16.6							
Git commit:	75249d8							
Built:	Fri Jul 30 19:52:33 2021							
OS/Arch:	linux/amd64							
Experimental:	false							
containerd:								
Version:	1.4.9							
GitCommit:	e25210te30a0a703442421b0t60atac609t950a3							
runc:								
Version:	1.0.1							
GitCommit:	v1.0.1-0-g4144b63							
docker-init:								
Version:	0.19.0							
GitCommit:	de40ad0							

Step 2: Pull images

Docker pull kiloview/kilolinkserverfree



Step 3: Run container

Enter "docker create --restart=always --name kilolinkserverfree -e KLNKPORT=50000 -v

/data:/data --privileged --user root --network host kiloview/kilolinkserverfree" in the

terminal window.

root@kiloview-1:/home/kiloview# docker create --restart=always --name kilolinkserverfree -e KLNKPORT=60000 -v /data:/data --privileged --u ser root --network host kiloview/kilolinkserverfree 093504f01528b99fe40ecb7d4c2cc2f74d52ac733449ce7d078eda77e82ad48c root@kiloview-1:/home/kiloview#



Note

The host mode is used by default, so the host IP is used for deployment by

4

default.

Step 4: Enable docker

docker start kilolinkserverfree

```
root@kiloview-1:/home/kiloview# docker start kilolinkserverfree
kilolinkserverfree
root@kiloview-1:/home/kiloview#
```

Step 5: Login authentication

Enter "IP address of server: 83" in the browser (Google is recommended), press enter to display the login interface of the KiloLink Server. The username is *admin*, password is *Kiloview001* by default.

CKILOVIEW * KiloLink Server Free	
	Login A Usemame
	English V
	Read and Agree «User Users» Agreement»



Note

- (1) The default port of the server login has been adjusted to 83.
- (2) The device version needs to be updated to the latest version that supports KiloLink Server Free.
- (3) The port number of the device is 50000.

2 General questions and solutions

2.1 If there is an error message during the deployment process.

Solution:

2.2 An error hint during the deployment

Solution:

Please check the version of your operation system, currently, it only supports Linux64-

bit operating system (Ubuntu 18.04+ / Debian 9+)

1) Check Linux digits: getconf LONG_BIT



2) Check the version number of the Linux: cat /proc/version



2.3 No response for a long time for the installation of the docker

Solution:

The process of the installation is relatively slow, please wait patiently. You can use the

command "docker version" to check and confirm whether the installation is successful.

oot@ndi:~/cp_data	a3# docker version
Client: Docker Eng	gine - Community
Version:	20.10.6
API version:	1.41
Go version:	gol.13.15
Git commit:	370c289
Built:	Fri Apr 9 22:47:17 2021
OS/Arch:	linux/amd64
Context:	default
Experimental:	true
Server: Docker End	line - Community
Engine:	jine community
Version	20, 10, 6
APT version:	1.41 (minimum version 1.12)
Go version:	gol. 13. 15
Git commit:	8728dd2
Built:	Fri Apr 9 22:45:28 2021
0S/Arch:	linux/amd64
Experimental:	false
containerd:	
Version:	1.4.4
GitCommit:	05f951a3781f4f2c1911b05e61c160e9c30eaa8e
runc:	
Version:	1.0.0-rc93
GitCommit:	12644e614e25b05da6fd08a38ffa0cfe1903fdec
docker-init:	
Version:	0.19.0
GitCommit:	de40ad0
oot@ndi:~/cp data	33#

2.4 Fail to pull the image



Solution:

To pull the image, you need to get the image files via the internet. If the network delay is

high or you cannot connect to the internet, please check whether the network is smooth

by pinging an external website.



2.5 "No such file or directory" error reported during command execution



Solution:

When you copy the command from the file, it may include the form character and cause

the command to change. Please enter the corresponding command manually.

3 KiloLink Sever Free User Guide

3.1KiloLink Server Free Introduction

KiloLink Server Free is a centralized management system developed by Kiloview. It is mainly used for centralized management of KILOVIEW's encoders, decoders and NDI series products. The system supports up to 5 levels of group management according to your different applications, and it can authorize different permissions for each group to achieve more refined device management. It also supports the permission management of the modules, granting different permission to different users and user groups. KiloLink Server Free makes device management more convenient. Users can use different terminals to check the device working status, manage the device, login to the device webpage to configure the parameters, etc.



For more information about KiloLink Server Free, please refer to:

https://www.kiloview.com/en/kilolink-server-free



Manage devices



Introduction:

KiloLink Server Free mainly used for centralized management of Kiloview encoders, decoders and NDI devices. Users can login to the system via Web browsers (Chrome, Edge, Safari) to manage and maintain the devices connected to the system.

- Supported models: Including DC220/DC230/D300 decoders, MG300 media gateway; E, G series, N1/N2 and M2 encoders, and N3/N4/N30/N40/U40/N6 FULL NDI devices.
- Update the firmware here: www.kiloview.com/en/support/download/

3.2 Login KiloLink Server Free

Enter http://server IP: 83/ in the browser to login to the KiloLink Server Free. The default

username is **admin**, and the password is **Kiloview001**.





Note

- For information security concern, we recommend you change the password after your first login.
- KiloLink Server Free login port is 83 by default.

4 User Management

After deployment, there is a super administrator account **admin** by default. Log in with the super administrator account, you can create users and user groups via the user management, and add permissions to users and user groups.

4.1 User Management

In user management, you can add, modify, and delete users (individually or in batches). The added user starts without any permissions. You need to add the user to the user group, and the user will have the permissions of the user group.

C KILOVIEW [®] KiloLin						🔁 admin 👻 🔝 🕐
=				User list User G	roup	
■ Device Management ^ E> All	Add	a user group				
👛 User Management	System perm	broup name Pleas				
🚯 Firmware		December 1				
		Description				
		All Users		Allow List		
) test1				
			Cancel	ок		



• OModify password; Rename; Delete;



Note

• When adding a user, password must consist of uppercase characters, lowercase characters and digits with 6~32 characters long.

5 User Group

5.1 Add user group

Add a user group and authorize the user group. All users in the user group have the same authority.

The operation is as follows: click "Add a user group", enter the group information, and select users in the "All Users" to the user group.

5.2 User group permission

The system includes three modules: Device Management, User Management and Firmware. All users and user groups should have permissions to operate the system. When log in for the first time, the default super administrator can add users and user groups, and give permissions to the user groups.

In "User Management", you can only authorize the user group with hidden or view permissions for the "Device Management". If need operation permissions for the device, please turn to the "Access Control" in the "Device Management". For details, please refer to the chapter 3.1.4 "Device Management - Access Control".

System permission			
Module Name		Permission	
Device Management		💿 Hide 🏾 🔵	View
User Management		💿 Hide 🏾	View/Edit
Firmware			
Upload/Manage firmw	are	💿 Hide 🔵	View/Edit
Firmware dispatch		💿 Hide 🔵	View/Edit
	Cancel	ОК	



Introduction

- Hide: Modules are not visible to users of the user group;
- View: Users in the user group can view authorized modules;
- Edit: Users in the user group can edit authorized modules



Note

 The permissions for the "Device Management" module are only available for hiding and viewing in the "User Management". Edit permissions need to be set in the "Device Management "module.

6 Device Management

Click "Device Management" to manage all devices under "ENCODER", "DECODER" and "IO".

CKILOVIEW [®] KiloLi	nk Server Free							🛓 admin 🔻 💧 🕧
	♥ All						м	aintenance mode 🏾 🚬
	Device Numbers: • 4	4 ●0						
				DENCODER DECODER	D 10			
▼ 🖻 All								
🔁 test	□ Status 🗢		Device Info.	Video	Audio		Network status	Manage Q
😬 User Management	🔲 🛛 Online		E1 E1-210110971 ①	● SDI UNKNOWN		48000 Hz 2CH	G 192.168.28.63	<i>₽</i> □ □
🛧 Firmware				@: H264 3.00Mbps		64.00Kbps	↑ 11.50KB ↓ 18.54KB	
			RTSP RTMP RTMP RTMP V					
	🔲 🕑 Online		E1_ndi E1_ndi-200130064 ⑦	@ SDI 1080p 60Hz		48000 Hz 2CH	G 192.168.28.120	A 🖻 🖻
		2003		₩3 H264 4.00Mbps 1264 2.00Mbps		64.00Kbps	↑ 6.62MB ↓ 215.42KB	
			RTSP HLS RTMP RTSP NDI-HX 🗸					
	Batch Move							> 10/page ~

6.1 Group Management

Users can add groups in the Device Management with different application scenarios, and all the devices can be classified to the groups, which is convenient for further maintenance. Each group supports up to add 5 groups.

6.1.1 Add a group

Click" on the right of each group. Then click "Add a group", enter the group name and click "OK" to add a new group.



6.1.2 Move the group

When you want to move the group to another one, click "Move" and select the group to move to.

	D. DUCC		FCODED	- io
Move				
✓ ● All				
🔹 🔵 test				
🔵 test 2				
abcds				
c				
2.				
	Cancel	OK		

6.1.3 Rename the group

When you want to change the group name, click "Rename", enter a new name, and click "OK".

Rename			×
* Group name	test		
	Cancel	ОК	

6.1.4 Access control

In the "Device Management", click "Access Control", and select the user or user group that needs to be authorized to the "Allow list" on the right, and click . Then choose the permissions for the user or user group.

Access	Control:test							\times
Use	r/User group			Allow	List			
QI					Name	Туре	Acess Control	
	Name	Туре			test1	User	View and edit	
	Administrator	User Group						
	Gavin	User						
			Cano	cel	ок			



Introduction

- View only: Only with the viewing permission of the group, and cannot rename, move, delete, etc. the devices under the group;
- View and edit: With the viewing and editing permissions of the group, and can rename, move, delete, etc. the devices under the group;
- The root directory does not support rename, move, and delete, etc.
- The lower-level group have the permissions of the upper-level group by default. But if the lower-level group is limited with some permissions, it is subject to the configured permission;
- Management such as rename, move, and delete a group require the first-level group owns the permissions. For example: the lower-level group "Test group" of "Sales group", if the "Sales group" does not have the editing permission, even if the "Test group" is authorized, the group cannot be edited. Only the lower-level group of "test group" can be edited;
- It is required to have the editing permission for the target directory if you need to remove the group.

7 Device management

On the device management page, you can check the device status, device information, video and audio information, and network status of all devices. And you can authorize and move the device, even remotely access the device webpage and configure parameters.

7.1 Encoder management

You can check the current status of the encoder, streaming status, video and audio information, etc. Also, you can start/stop streaming. Details as below:

🕈 Ali					Mair	tenance mode 🏾 🚬
Device Numbers:	4 ● 0					
			🔁 ENCODER 🛛 🧟 DECODER 🖉	OI E		
🔲 Status 🖨						
🔲 🛛 Online		E1 E1-210110971 ③ E1-a	© SDI UNKNOWN © H264 3.00Mbps	© SDI 48000 Hz 2CH ⑦ AAC 64.00Kbps	 Ռ 192.168.28.63 ↑ 45.80KB ↓ 26.56KB 	
		RTSP RTMP RTMP RTMP 🗸				
□ ⊘ Online		E1_ndi E1_ndi-200130064 () E1_NDI	⊙ SDI 1080p 60Hz ♥: H264 4.00Mbps ♥: H264 2.00Mbps	<u>© SDI</u> 48000 Hz 2CH ① ААС 64.00Кърз	 Ռ 192.168.28.120 ↑ 6.31MB ↓ 202.63KB 	
Streaming All	😍 RTSP		Streaming	rtsp://192.168.28.120:554/ch01 🖉		
Stop All	😍 HLS		Stop	offline 🖉		
e otop Au	😍 RTMP		Stop	rtmp://sendtc3.douyu.com/live/10673127r9kF0sCa?	wsSecret=8a40da52fd119d0d86aed55c0 (
	RTSP		Streaming	rtsp://192.168.28.120:554/sub01 🛛 🖗		
	NDI-HX		Streaming			

If you want to check the details of the encoder, click 🖾 to enter the device webpage and

configure the parameters.

C KILOVIEW [®] KiloLink Server Free		🛓 admin 🕶 🗴 🕐
≡ ←	E1-210110971	<u> ខ</u> េ
E Device Management A	Dashboard User and Privleges. Presets Developer System Information	•
▼ Èi All	Racic Settines	
◆ B test	HD/3G-SDI H.264 Encoder SYSTEM STATUS	
🖻 abcds	Encoding & Stream _	•
User Management	Audio Encoding Engine SYSTEM	
🚯 Firmware	Encoding & Stream Settings	
	SIP Settings Persistent time HHour(s)(10Minute(s)15Second(s) Fise memory: 581 System spaces: Available 59MB [Used 22 %] Network: Storage (NAS) Data spaces: Available 59MB [Used 22 %]	MB
	Text & Image & Time Overlay +	1
	Network & Service Settings +	
	Serial Port and PTZ +	
	Video signal lock: NO SIGNAL Video format UNKNOWN (Before loss) Crop picture source: No cropping	-
	KlioLink/Server Scale before encoding. Default/No set Video signal: SDI Input Crop picture to encode: No cropping Audio signal: SDI Input Sele	HCL
	Churck Reset	
	Logs & Debug Motion JPEG Snapping	[•••]
	Reboat	
	System Information Section 21:00:00 (2014) Section 21:	SET.
	(RTSP always start) Access by: tsp.//127.0.0.1.554/mixeg01	00
	KMP Media Service (Menual disabled or no publish point, service stopped.)	



Introduction

- Click Store to sort the devices.
- Ishows the online device number, Ishows the offline device number
- Device info.: The device model, serial number, version number, etc.
- Video: The information of the video source, including the resolution, the current bitrate, the encoding format and bitrate of the main/sub-stream, will is the main stream and is the sub-stream;
- Audio: The current audio sample rate, encoding bitrate, encoding format, etc.;
- Network status: IP address and rate of the device, 🛍 is the uplink rate, 🖳 is the downlink

rate;

- Manage: means "Access Control", "View" means only view the device without other operations, "Edit" means rename the device, a means move the device, means enter the device webpage;
- Streaming: the device is streaming and you can start or stop it in the system.

7.2 Decoder management

On the device management page, you can check the decoder status, device information,

network status and output details as below:

C KILOVIEW [®] KiloL	ink Server Free					8	admin 🔻 💧 🕧
3	♥ All					Mainte	enance mode 🔵
🔤 Device Management 🗸	Device Numbe	ers: • 4 • 0		10			
▼ 🔁 Ali			U ENCODER Q DECODER				
► 🗁 test	🗌 Status 🗢						
🖻 abcds	🔲 🕑 Online	MG300 MG77 ① MG300	1920x1080P 50Hz		HDMI SDI 1920x1080P 30Hz	192.168.28.20	
🚇 User Management					<u>e HDMI e SDI</u> 40000 Hz	G unknow	
Firmware		Output details ~				↑ 0.00Byte ↓ 0.00Byte	
	Batch Move						10/page 🗸

For output details, please check the decoding status and the output number related to the

window number of the multi-window output.

			D ENCODER	DECODER	A 10			
🗌 Status 🖨								Manage Q
□ ⊘ Online	MG300 MG77 MG300 Output details Output1		1920x1080P 50Hz 48000 Hz			HDMI © SDI 1920x1080P 30Hz HDMI © SDI 48000 Hz	 (7) 192.168.28.20 ↑ 2.61MB ↓ 3.47MB (7) unknow ↑ 0.008yte ↓ 0.008yte 	
		🛱 Decod	ling		2560x1440@	25.0Hz		



Introduction

- Output 1/Output 2: Configurations of output 1/output 2, including output interface, resolution and audio sample rate;
- Network information: The device network port, the rate of each network port, **1** is the uplink rate, **1** is the downlink rate;
- Provide the device is streaming, is decoding, is the connection reestablished;

7.3 NDI device management

On the device management page, you can check the NDI device status, device information,

encoding and decoding status and network status.

CKILOVIEW® KiloLin	k Server Free						admin 🔻 💧 🕧
⊡ Device Management ∧ خ ⊖ ماا	♥ All Device Numbers: ● 4 ● 0		D ENCODER	I DECODER	E 10	м	aintenance mode
	☐ Status ♥ ☐ ۞ Online	Device Info. N40 N40-20162430049 ③ N40			Decoding (2 HOMI 1920x1080p 30Hz (3 HOMI 48000 Hz 2CH (4 N3-20072110107 (Channel-1) NDI-FULL 87.63Mbps	Network status G 192.168.28.105 ↑ 282.04KB ↓ 5.87MB	Manage Q. A 도와 많
	Batch Move					Total 1 🤇 1	→ 10/page ~



Introduction

- Encoding: NDI device is in encoding mode, displays the current video encoding information, including video source resolution, audio sample rate, audio channel, real-time bitrate, etc.;
- Decoding: NDI device is in decoding mode, displays the current video decoding information, including video resolution, video output interface, audio sample rate, channel, NDI source name, bitrate, etc.;

Network status: The network information and the IP address, 11 is the uplink rate, 12 is • the downlink rate.



Note

- When moving the device, please ensure that the user has the editing permission of the current group and the target group.
- The free version supports up to add 32 devices.

8 Device Maintenance

KiloLink Server Free

Enabling "Maintenance mode", you can add devices to the system, and manage the devices

with one-click reboot or one-click reset.

💼 Device Management \land	Device Numb	bers:	●4 ●0										
	+ Add devic	ce	් One-cli	ck restart 🛛 📿 One	-click reset								
► 🖻 test			Status 🗢	Serial Number 🗢	Authorization Code 🖨	Alias 🗢	Type 🗢	Device Name 🖨	Upgrading status 🗢	Current firmware version 🗢	Dispatched firmware 🗢 🛛 N		
🖻 abcds	All			210110971	7c9bc9d6608f586e @	E1-a		E1-210110971		4.8.2519			
🚇 User Management	E1			200130064	d3f7ac2e4bf55418 😡	E1_NDI	E1_ndi	E1_ndi-200130		4.8.2519	as	ds	
← Firmware	E1_ndi	o		K2030040482	725d315595fb5d8b 🖉	MG300	MG300	MG77		4.6.2515			
	MG300			20162430049	95695e74fd53e787 🕼	N40	N40	N40-20162430		2.02.0217			
	N40												
			Batch Deletion	n Cancel dispatch								20	/page 🗸

Introduction

- Edit authorization code and note of the device;
- Rename the device;
- Delete the device;

😩 admin 🔻 固 🛈

8.1 Add device

Click "Add Device", enter the device name and serial number to generate an authorization

code.

E KILOVIEW° KiloLin	k Server Fre	e									(adn	nin 🔻 [A) ()
亘	♥ All													
Device Management ^	Device Num													
▼ 🗁 All	+ Add dev	ice	00	ne-clic	k restart 🛛 💭 Or	e-click rese	Add device							
► 🖻 test							* Alias							e Q
🖹 abcds	All						* Serial Number							Ō
🚨 User Management														i
Firmware							* Authorization Code		Generate					ē
							Note	Please Enter						Ó
								Cancel	ок					
													20/page	~



Note

The authorization code generated when a device is added to the server. It will be used to authorize the device to log in to the server from the device webpage.

8.2 Reboot and reset

Select the devices that need to be restarted and reset with one-key restart or one-key reset.

CKILOVIEW® KiloLin	k Server Free	5								(admin 🔻 💧	0
æ	♥ All									Ma	intenance mode 🧲	
Device Management ^	Device Num	bers: ● 4 ● 0										
▼ 🔁 All	+ Add devi	ce 🖒 One-cli		e-click reset								
▶ 🖻 test		🔲 Status 🗢	Serial Number 🗢	Authorization Code 🗢	Alias 🗢	Туре 🗢	Device Name 🖨	Upgrading status 🗢	Current firmware version 🖨	Dispatched firmware 🗢		
🖻 abcds	All	□ Online	210110971	7c9bc9d6608f586e	E1-a		E1-210110971		4.8.2519			
🚊 User Management	E1		200130064	d3f7ac2e4bf55418	E1_NDI	E1_ndi	E1_ndi-200130		4.8.2519		asds 🗹 🖷 🗑	
🚯 Firmware	E1_ndi		K2030040482	725d315595fb5d8b 🖗	MG300	MG300	MG77		4.6.2515			
	MG300		20162430049	95695e74fd53e787 🕼	N40	N40	N40-20162430		2.02.0217			
	N40	Batch Deletion	Cancel dispate								20/page v	

8.3 Firmware upgrade

Select the product model to be upgraded, and click "Firmware Upgrading" appeared at the top of the page, select the firmware, then the firmware will be dispatched to the device. After dispatched, please reboot the device to complete the firmware upgrading.

k Server Free			
♦ All			
Device Numbers: • 4 • 0			
+ Add device 🕐 One-click restart 📿 One-click reset	upgrading		
Status 🗢 Serial Number 🗢 Authenzation Code 🗢	Select Firmware		
All 🛛 Online 200130064 d3f7ac2e4bf55418 🖗			
E1	4.8.2519 2022-05-25 17:26:48 E1-NDI		
E1_hdi			
MG300			
1910			
	Canoel OK		



Note

• After the firmware dispatched, the device needs to be rebooted to complete the firmware upgrading;

• Firmware download: if multiple channels download together, each channel will occupy about 2M bandwidth. Therefore, the download will be slow when the downlink bandwidth is not enough.

9 Firmware

The users can upload the firmware to the system, and upgrade the firmware of the device.

命 固件上传						
		版本号 🗢	上传时间 🗢			操作 Q
D300		4.9.1023	2022-06-06 10:50:1	Firmwara unloading		
DC220		4.9.1022	2022-06-06 10:50:1	Timware uploading		
DC230		4.9.1021	2022-06-06 05:06:4	Firmware uploading	Select a file Only bin files can be uploaded	
		4.9.1020	2022-06-06 04:56:4		File not selected	
E1-s		4.9.1018	2022-06-02 07:12:2			
E1_IIGI		4.9.1016	2022-06-02 07:12:1	* Description	Describe or note for the uploaded firmware	
E2_ndi					within 100 characters.	
G1_oem						
G2					This is required	
M2					Cancel	
MG300						
MS2						
MS4						
N1						
N3						
N3-s						
N30	扭	;量删除			共6条	〈 1 〉 10条页 ~

For more questions, please contact us via:

https://www.kiloview.com/en/support



Please scan with browser.

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