

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	ТСР
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-ubunt	:u:/home# curl -fsSL https://get.docker.com bash							
	# Executing docker install script, commit: 93d2499759296ac1f9c510605fef85052a2c32be							
+ sh -c 'apt-get update -gg >/dev/null'								
+ sh -c 'DEBIAN FF	+ sh -c 'DEBIAN FRONTEND=noninteractive apt-get install -y -gg apt-transport-https ca-certificates curl >/d							
ev/null'								
+ sh -c 'curl -fss	6L "https://download.docker.com/linux/ubuntu/gpg" gpgdearmoryes -o /usr/share/keyr							
ings/docker-archiv								
	[arch=amd64 signed-by=/usr/share/keyrings/docker-archive-keyring.gpg] https://download.d							
	ountu focal stable" > /etc/apt/sources.list.d/docker.list'							
	update -qq >/dev/null'							
	RONTEND=noninteractive apt-get install -y -qqno-install-recommends docker-ce-cli docke							
r-scan-plugin dock								
+ version_gte 20.1	.0							
+ '[' -z ']'								
+ return 0								
	RONTEND=noninteractive apt-get install -y -qq docker-ce-rootless-extras >/dev/null'							
+ sh -c 'docker ve								
Client: Docker Eng								
Version: API version:	20.10.8 1.41							
Go version:	1.41 q01.16.6							
Git commit:	g01.10.8 3967b7d							
Built:	S907070 Fri Jul 30 19:54:27 2021							
OS/Arch:	linux/amd64							
Context:	default							
Experimental:								
Experimentar:								
Server: Docker Eng	jine - Community							
Engine:								
Version:	20.10.8							
API version:								
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:	e25210fe30a0a703442421b0f60afac609f950a3							
runc: Version:	1.0.1							
GitCommit:	v1.0.1-0-g4144b63							
docker-init:	V1.0.1*0*94144003							
Version:	0.19.0							
GitCommit:	de40ad0							
off committee								

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 -Users & Agreement Logn



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.

root@ndi:~/cp_data	
Client: Docker Eng	
	20.10.6
API version:	
Go version:	
Git commit:	370c289
Built:	Fri Apr 9 22:47:17 2021
OS/Arch:	linux/amd64
Context:	default
Experimental:	true
Server: Docker Eng	ine - Community
Engine:	
	20.10.6
API version:	1.41 (minimum version 1.12)
Go version:	gol.13.15
Git commit:	
	Fri Apr 9 22:45:28 2021
	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
root@ndi:~/cp_data	3#

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 ^ All 	Add	a user group				
👛 User Management	System perm	broup name Pleas				
🚯 Firmware		Description Pleas				
		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".

	k Server Free					🔒 admin 🕶 🕼 🤅
E Device Management ∧ → ⊖ All	♥ All Device Numbers: ● 4 ● 0		DENCODER DECODER DIO		W	laintenance mode
🖹 test	🔲 Status 🗢					
Buser Management Firmware	□	E1 E1-210110971 ⊙ E1-a RTSP RTMP RTMP RTMP →	© SDI UNKNOWN ♥# H264 3.00Mbps	© SDI 48000 Hz 2CH ① AAC 64.00Kbps	ি 192.168.28.63 ↑ 11.50KB ↓ 18.54KB	
	☐ ⓒ Online	E1_ndi E1_ndi-200130064 () E1_NDI RTSP HLS RTMP RTSP NDI-HX ~	0.500 1080p 60Hz Ф2 H264 4.00Mbps €2 H264 2.00Mbps	© SDI 48000 Hz 2CH ① AAC 64.00Kbps	 [∩] 192.168.28.120 [↑] 6.62MB ↓ 215.42KB 	
	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	ОК		

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							×
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:

All Device Numbers:	4 ● 0		D ENCODER O DECODER	a 10		N	laintenance mode 🕥
🔲 Status 🖨							Manage Q
□ ⊘ Online		E1 E1-210110971	© SDI UNKNOWN € H264 3.00Mbps		© SDI 48000 Hz 2CH ① AAC 64.00Kbps	 Ռ 192.168.28.63 ↑ 45.80KB ↓ 26.56KB 	<u> እ</u> ๒ ፎ
□ ⊘ Online	·	E1_ndi E1_ndi-200130064 © E1_NDI RTSP HLS RTMP RTSP NDI-HX ∧	(0 SDI 1080p 60Hz ℚ: H264 4.00Mbps ℚ: H264 2.00Mbps		© SDI 48000 Hz 2CH ① AAC 64.00Kbps	 Ռ 192.168.28.120 ↑ 6.31MB ↓ 202.63KB 	<u>ጽ ๒ ቬ</u>
Streaming All	RTSP		Streaming	rtsp:/	//192.168.28.120:554/ch01 🛛 🖗		۲
 Start All Stop All 	😍 HLS		Stop	offlin	e ()		۲
© Stop Air	😍 RTMP		Stop	rtmp;	://sendtc3.douyu.com/live/10673127r9kF0sC	a?wsSecret=8a40da52fd119d0d86aed55c0.	. 0 💿
	RTSP		Streaming	rtsp:/	//192.168.28.120:554/sub01 🖗		۲
	NDI-HX		Streaming				Θ

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	5 Q
E Device Management A	Dashboard User and Phyleges Presets Developer System Information	•
▼ Èi All	Basic Settings +	
◆ B test	Video Acudo Settings 4	
🖻 abcds	Encoding & Stream _ Refree	and the second
User Management	Audio Encoding Engine SYSTEM	
🚯 Firmware	Encoding & Stream Settings Device start time 2022/05/25 16:09:19 CPU pavload 3	2%
	SIP Settings Persistent limit 14/out(s) (Othinute(s)) Second(s) Persistent limit 14/out(s) (Othinute(s)) Second(s) Persistent limit 32/02 (Diad 271 %) Network Storage (NAS) Outa space: Available SMB [Used 22 %]	et MB
	Text & Image & Time Overlay + . Network status: Internet reachable . Connectivity: Default Ethernet (Total 1) Redetect Ping/tperf3 Traceroo	and the second se
	Network & Service Settings + VIDEO/AUDIO Signals	
	Serial Port and PTZ +	_
	Video signal loci: NO SIGNAL Video format: UNKNOWN (Before loss) Crop picture source: No cropping	-
	KlioLink Server Scale before encoding: Default/No set Scale before encode: No cropping Audio signal: SDI Input Sol	A elect
	Rotate/File: No rotation Circk Reset (Circk to set above processing parameters] Audio sampling: 4000 Hz	
	Logs & Bebug Motion JPEG Snapping	[•••]
	Reboal	
	System Information Section 2100 (March 1000)	SET)
	RTSP Access by: tts://127.0.0.1.554/mikee001 (C	00
	KMP Media Service (Manual 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, 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:

	k Server Free					θ	admin 🔻 💧 🕖
Ē	♥ All					Maint	enance mode 🌖
🔄 Device Management \land	Device Number	ers: • 4 • 0					
▼ 🖨 All			D ENCODER	DECODER 🛛 🖾 IC			
► 🗁 test	🔲 Status 🗢						Manage Q
🖻 abcds	🗖 🛛 Online	MG300 MG77 ① MG300	@ IP Stream 1920x1080P 50Hz		@ HDMI @ SDI 1920x1080P 30Hz	G 192.168.28.20	<i>₽</i> ⊡ ⊑
🙁 User Management			IP Stream 48000 Hz		© HDMI © SDI 48000 Hz	↑ 17.11MB ↓ 8.43MB G unknow	
Firmware		Output details 🗸				↑ 0.00Byte ↓ 0.00Byte	
	Batch Move						10/page v

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

window number of the multi-window output.

		🖙 ENCODER 🛛 🧔 DECOD	ER 🖬 10	
🔲 Status 🖨				Network status Manage Q
□ ⊘ Online	MG300 MG77 MG300 Output details	© IP Stream 1920x1080P 50Hz © IP Stream 48000 Hz	HDMI © SDI 1920x1080P 30Hz O HDMI © SDI 48000 Hz	Cî 192.168.28.20
		E Decoding	2560x1440@25.0Hz	rtmp://hngd-cdn-pull-tx-1.hntv.tv/saas_live/a2b58a2227 @



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;
- A means that 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 All	♥ All Device Numbers: ● 4 ● 0		D ENCODER	😨 DECODER	E 10	N	laintenance mode
	☐ Status ♥ ☐ ۞ Online	Device Info. N40 N40-20162430049 ③ N40			Decoding (a HOMI, 1920x1080p 30Hz (b HOMI, 48000 Hz 2CH // N3-2002110107 (Channel-1) NDI-FULL 87.63Mbps	Network status († 192.168.28.105 † 282.04KB ↓ 5.87MB	Manage Q දිංක සි
	Batch Move					Total 1 🤄 1	> 10page ~



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.

	▼ All									IVIA	intenance	mode	
Device Management ^	Device Num	bers: ● 4 ● 0											
▼ 🔁 All	+ Add devi	ce 🕑 One-cl	lick restart	e-click reset									
► 🖻 test		🔲 Status 🖨	Serial Number 🖨	Authorization Code 🗢	Alias 🖨	Туре 🗢	Device Name 🖨	Upgrading status 🖨	Current firmware version \diamondsuit	Dispatched firmware 🖨			e Q
🖻 abcds	All	🔲 🛛 Online	210110971	7c9bc9d6608f586e 🖉	E1-a		E1-210110971		4.8.2519				Ū
🙁 User Management			200130064	d3f7ac2e4bf55418 😡	E1_NDI	E1_ndi	E1_ndi-200130		4.8.2519		asds [Ū
♣ Firmware	E1_ndi		K2030040482	725d315595fb5d8b 🛛	MG300	MG300	MG77		4.6.2515				Ō
	MG300		20162430049	95695e74fd53e787 💭	N40	N40	N40-20162430		2.02.0217				Ō
	N40												
		Batch Deletio	n Cancel dispatc								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.

Ekiloview [®] KiloLir	ık Server Fre	e								(🔒 admin 🔻 💧 🕡
	9 All									м	aintenance mode \tag
Device Management ^											
	+ Add dev	ice	-click restar	t 🖸 🖸 On	e-click rese	Add device					
						* Alias					
	All										
🚨 User Management	E1										
Firmware						* Authorization Code		Generate			
						Note	Please Enter				
							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.

C KILOVIEW® KiloLin	k Server Fre	e									🛓 admin 🔻 固 🕧					
豆										M	aintenance mode 📃					
🔄 Device Management \land	Device Num	Device Numbers: • 4 • 0														
▼ 🖻 All	+ Add devi	ice Ü Or	e-click restart	ne-click reset												
▶ 🖻 test		Status :	Serial Number 🗢	Authorization Code 🗢	Alias 🗢	Type 🗢	Device Name 🖨	Upgrading status 🖨	Current firmware version 🗢	Dispatched firmware 🗢						
🖻 abcds	All	🔲 🛛 Onli	ne 210110971	7c9bc9d6608f586e €	E1-a	E1	E1-210110971		4.8.2519							
🚇 User Management	E1	□ ⊙ Onli	ne 200130064	d3f7ac2e4bf55418 🗗	E1 NDI	E1 ndi	E1 ndi-200130		4.8.2519		asds 🗹 💷 📋					
쥼 Firmware	E1_ndi	□ © Onli		725d315595fb5d8b 🖨	- MG300	- MG300	- MG77		4.6.2515							
	MG300		ne 20162430049	95695e74fd53e787	N40	N40	N40-20162430		2.02.0217							
	N40		20102430045	330336141036101 @	1140	1140	1440-20102450		2.02.0217							
		Batch De	etion Cancel dispate								> 20/page ~					
		Baten De	calori calicer dispat								Zoopage *					

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		
	rare upgrading	
Status 🗢 Serial Number 🗢 Authorization Code 🗢	Select Firmware	Dispatched firmware 🗢 🕴
All 🕑 📀 Online 200130064 d3f7ac2e4bf55418 🖗		a
EI	4.8.2519 2022-05-25 17:26:48 E1-NDI	
E1_idi		
MG300		
N40		
	Cancel 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.

ゆ 固件上传							
		版本号 🗢	上传时间 🗢			操作	٩
D300		4.9.1023	2022-06-06 10:50:1	Firmware uploading			
DC220		4.9.1022	2022-06-06 10:50:1				
DC230		4.9.1021	2022-06-06 05:06:4	Firmware uploading	Select a file Only bin files can be uploaded		
E1		4.9.1020	2022-06-06 04:56:4		File not selected		
E1-s E1_ndi		4.9.1018	2022-06-02 07:12:2				
E1_Hall		4.9.1016	2022-06-02 07:12:1	* Description	Describe or note for the uploaded firmware within 100 characters.		
E2_ndi					within foo characters.		
G1							
G1_oem					C C		
G2					This is required		
M2					Cancel		
MG300							
MS2							
MS4 N1							
N2							
N3							
N3-s							
N30	拙	星删除			共6条 < 1 →	10条/页	<u>~</u>

For more questions, please contact us via:

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



Please scan with browser.

KILOVIEW Electronics CO., LTD.