

LingoVM – Brief Introduction

LingoVM implements embedded software stacks designed for the verification of ONVIF Device Profile S services.

Lingodigit has extensive experience with the ONVIF Device Test Tool and provide **Software Customization and Firmware Integration Services** to help customers successfully PASS ONVIF Profile Conformance Tests.

If you are interested in Lingodigit's software. Please contact us for further information: info@lingodigit.com

LingoPi Provides an ONVIF Software Reference Platform:

LingoPi is an IP camera firmware for Raspberry Pi, implemented with Lingodigit software to create an ONVIF device. It serves as an excellent ONVIF software reference, featuring:

- Verification capabilities via ONVIF Device Test Tool
- Professional ONVIF consultation services
- Complete Profile S, T, M and G services

LingoVM's Free Download Version:

LingoVM is an IP camera emulator, a small Linux system for VirtualBox .

- Linux x86_64
- 256MB RAM, 128M disk image

Default Settings:

- IP address: DHCP
- Username: admin
- Password: admin

Capabilities:

- Number of supported streams: 1
- Supported video codec: MJPEG, H.264
- Supported video resolution: 1280x720, 640x360 upto 30fps

Supported Features:

- Device Discovery
- Device Management Service
- Media Service
- RTSP streaming

Limited Services:

- Supports JPEG snapshot live video of web page.
- The firmware function will be expired after 12 hours the system boot.

File Machine Help

New Open Settings Discard Show

LingoVM Powered Off

win7 sp1 (快照...) Powered Off

LingoVM Running

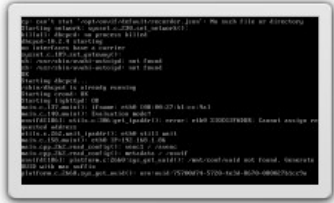
Details

General
 Name: LingoVM
 Operating System: Other Linux (64-bit)

System
 Base Memory: 256 MB
 Processors: 2
 Boot Order: Floppy, Optical, Hard Disk
 Acceleration: Nested Paging, PAE/NX, KVM Paravirtualization

Display
 Video Memory: 16 MB
 Graphics Controller: VMSVGA
 Remote Desktop Server: Disabled
 Recording: Disabled

Preview



LingoVM [Running] - Oracle VirtualBox

File Machine View Input Devices Help

```

cp: can't stat '/opt/onvif/default/recorder.json': No such file or directory
Starting network: sysset.c,230,set_network():
killall: dhcpd: no process killed
dhcpd-10.2.4 starting
no interfaces have a carrier
sysset.c,189,set_gateway():
sh: /usr/sbin/avahi-autoipd: not found
sh: /usr/sbin/avahi-autoipd: not found
OK
Starting dhcpd...
/usr/sbin/dhcpd is already running
Starting crond: OK
Starting lighttpd: OK
main.c,137,main(): ifname: eth0 [08:00:27:b1:cc:9a]
main.c,140,main(): Evaluation mode!
onvifd[186]: utils.c:306:get_ipaddr(): error: eth0 SIOCGIFREQ: requested address
utils.c,202,wait_ipaddr(): eth0 still wait
main.c,158,main(): eth0 IP=192.168.1.86
main.cpp,262,read_config(): venc1 / /avenc
main.cpp,262,read_config(): metadata / /onvif
onvifd[186]: platform.c:2660:sys_get_uuid(): /mnt/conf/uuid
UUID with mac suffix
platform.c,2668,sys_get_uuid(): urn:uuid:75700d74-5720-4e
  
```

Support JPEG snapshots of live video from web pages



LINGODIGIT

Lingo VM

A Virtual Machine Supporting ONVIF



Live Video URL:

Firmware Version: 26.04

Default ONVIF username and password: admin / admin

Powered by Lingodigit Co., Ltd.

Contact: info@lingodigit.com

Web site: <https://www.lingodigit.com/>

Location: Taichung City, Taiwan

Sample Video: Big Buck Bunny (c) copyright Blender Foundation | www.bigbuckbunny.org

[Open Source License Information](#)

Milestone XProtect Corporate of LingoVM configuration in ONVIF client software

Add Hardware

Select the network protocol used to connect to the hardware.
Optionally, specify additional user credentials to connect with if the hardware is not using the factory defaults.

Protocol:
 HTTPS (Secure) HTTP (Unsecure)

Include	User name	Password
<input type="checkbox"/>	(Factory default)	••••••••
<input checked="" type="checkbox"/>	admin	••••••••

Add Hardware

Wait while your hardware is being detected.
Once detection has completed, select which hardware to add.

Detected hardware:

Add	Address	Port	Hardware model	Status
<input checked="" type="checkbox"/>	192.168.1.189	8080	Lingodigit Lingo VM (ONVIF)	✓ Success

Show IPv6 addresses
 Show hardware running on other recording servers

Milestone XProtect Management Client 2025 R3

File View Action Maintenance Tools Help

Site Navigation

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Recording Server

Filter your devices

Hide disabled devices

- Recording Servers
 - DESKTOP-92RUNEG
 - Lingodigit Lingo VM (192.168.1.189)

Properties

Hardware information

Name: Lingodigit Lingo VM (192.168.1.189)

Description:

Model: Lingodigit Lingo VM

Serial number: 080027467D57

Driver: ONVIF Conformant Device

Address: http://192.168.1.189:8080/

MAC address: 08-00-27-46-7D-57

Firmware version: 26.04

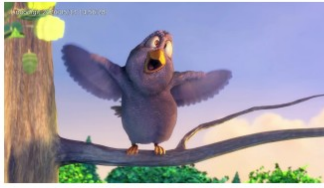
Password last changed:

Hardware data last updated: 2026/5/13 下午 02:55 Update hardware

Info Settings PTZ Events

Preview

Live: 1280x720 15KB



Lingodigit Lingo VM (192.168.1.189) - Camera 1