

MotionEYE NVR



Use cases

- MotionEYE - NVR, record/monitor multiple cameras
- **MotionEYE OS** - Turn a PI into a camera
- Trigger events/scripts when motion is detected
- Notifications

Alternatives

Company	Client	Product	Cameras	User	Security
MotionEye	web		*		limited
Shinobi	web	Tiny Sub	*		full
Xeoma	GUI	Cloud	32		full
Zoneminder	web		*		full
Bluecherry	GUI				full

Resources for 20 cameras

CPU	4 @ 50%
Memory	1GB
HD	5GB
Internet down	50mbits
Internet up	10mbits p/session

Pros

- Browser client
- Stable/Reliable feeds
- Easy
- Light on CPU/Mem compared with Shinobi
- **Mobile App** works (no grid, but Joe likes this)

Cons

- Only one user and you cannot restrict cameras
- No camera groups
- Maximum display is 16 cameras on one screen
- Uses a lot of download (50mbits p/sec)

Installing

Install docker

1. Install docker

```
sudo apt install docker.io docker-compose curl
```

2. Add user to docker

```
sudo usermod -aG docker $USER
```

3. Relogin

Pull docker image

```
docker pull ccrisan/motioneye:master-amd64
```

Run

```
docker run --name="motioneye" \  
  -p 8765:8765 \  
  --hostname="motioneye" \  
  -v /etc/localtime:/etc/localtime:ro \  
  -v /etc/motioneye:/etc/motioneye \  
  -v /var/lib/motioneye:/var/lib/motioneye \  
  --restart="always" \  
  --detach=true \  
  ccrisan/motioneye:master-amd64
```

Connect

URL	http://192.168.200.137:8765/
-----	---

Login	admin
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Password	<blank>
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Use

Add cameras

Settings

Camera
Type

Network Camera

URL

eg:

rtsp://yourdomain.com.au:8080/live2.s

Username

admin

Password

<password>

Camera

TCP

Change camera order

1. Stop motioneye

```
sudo docker stop motioneye
```

2. Rename some files

```
ssh 192.168.200.137  
sudo mv camera-1.conf backup.conf  
sudo mv camera-2.conf camera-1.conf  
sudo mv backup.conf camera-2.conf
```

3. Start motioneye

```
sudo docker start motioneye
```

Stop/Start

```
sudo docker stop motioneye  
sudo docker start motioneye
```

Demo

References

Questions

Email map7@fastmail.com

Twitter [@map7](https://twitter.com/map7)

Github [github: map7](https://github.com/map7)
