

## Open-Source Tools and Resources

Reto Kromer • AV Preservation by reto.ch

### **Open-Source Tools and Resources for Audio-Visual Archives**

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## MD5 Checksums

Windows comes with:

**CertUtil**

macOS and Linux come with:

**md5**

**md5deep**

**shasum**

## Quality Control

**QCTools** (GUI), **qcli** (CLI)

→ [bavc.org/preserve-media/preservation-tools](http://bavc.org/preserve-media/preservation-tools)

**QCTools Documentation**

→ [bavc.github.io/qctools/](http://bavc.github.io/qctools/)

**AV Artifact Atlas**

→ [bavc.github.io/avaa/](http://bavc.github.io/avaa/)

## Optical Sound Extraction

**AEO-Light** (GUI)

→ [usc-imi.github.io/aeo-light/](http://usc-imi.github.io/aeo-light/)

**AEO-Light Manual**

→ [github.com/usc-imi/aeo-light/releases/  
download/v2.2-beta/  
AEO-Light-2.2-beta-Manual.pdf](http://github.com/usc-imi/aeo-light/releases/download/v2.2-beta/AEO-Light-2.2-beta-Manual.pdf)

## DCP Encoder (and Player)

### **DCP-o-matic** (GUI)

→ [dcpomatic.com](http://dcpomatic.com)

### **DCP-o-matic users' manual**

→ [dcpomatic.com/manual/html/](http://dcpomatic.com/manual/html/)

## AMIA Open Source (1)

### **vrecord** (CLI)

→ [github.com/amiaopensource/vrecord](https://github.com/amiaopensource/vrecord)

### **audiorecorder** (CLI)

→ [github.com/amiaopensource/audiorecorder](https://github.com/amiaopensource/audiorecorder)

### **LTOpers** (CLI)

→ [github.com/amiaopensource/ltopers](https://github.com/amiaopensource/ltopers)

## AMIA Open Source (2)

### **The Cable Bible**

→ [amiaopensource.github.io/cable-bible/](https://amiaopensource.github.io/cable-bible/)

### **Open Workflows and Resources**

→ [github.com/amiaopensource/open-workflows](https://github.com/amiaopensource/open-workflows)

### **Time-Based Media Art Resources**

→ [github.com/amiaopensource/  
time-based-media-art](https://github.com/amiaopensource/time-based-media-art)

## AMIA Open Source (3)

### **Analog Inspection**

→ [github.com/amiaopensource/  
analog-inspection](https://github.com/amiaopensource/analog-inspection)

### **AV Python Carpentry**

→ [github.com/amiaopensource/  
av-python-carpentry](https://github.com/amiaopensource/av-python-carpentry)

## FADGI

**Federal Agencies Digital Guidelines Initiative (USA)**

→ [digitizationguidelines.gov](http://digitizationguidelines.gov)

## IFI Irish Film Archive

**IFI Scripts** (by Kieran O'Leary)

→ [github.com/kieranjol/IFIScripts](https://github.com/kieranjol/IFIScripts)

**To do nothing  
is **not** an option!**

## **AV Preservation by reto.ch**

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