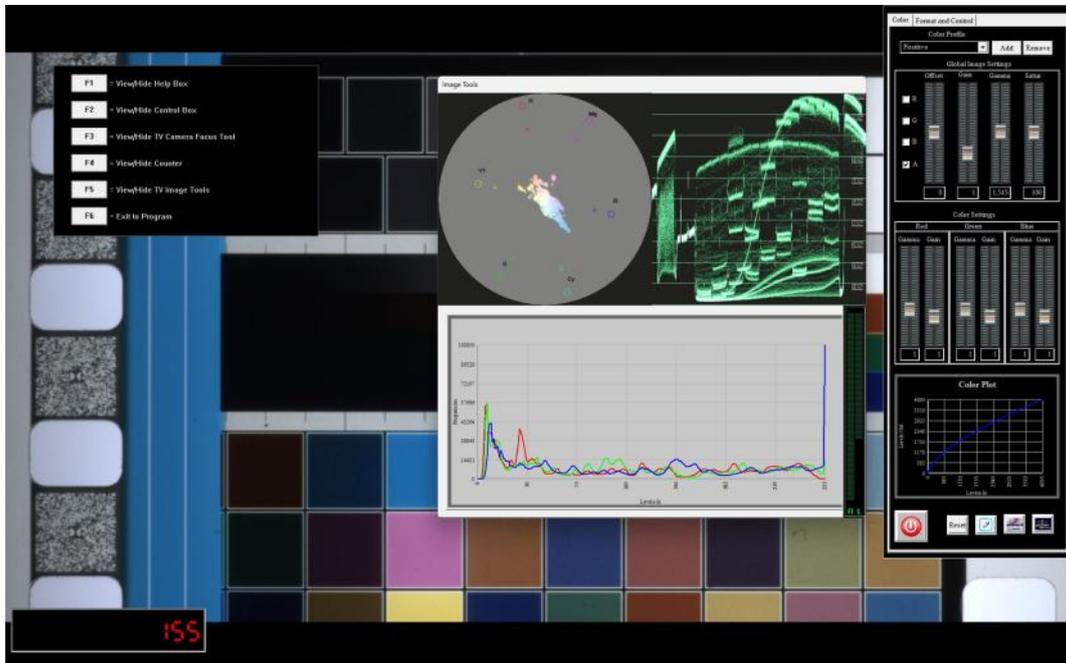


SOFTWARE INTERFACE

The DObserver software is the necessary required interface between the equipment and the user that needs to inspect brand new and even very old, aged and fragile films.



The software interface is accessed by launching the application with a double left-mouse-button click on its icon, conveniently located on the computer desktop.

Pressing the F1 key opens a short reference guide describing the functions of the F-keys.

Pressing the F2 key opens a floating control panel containing all color and picture controls.

The panel is divided into two separate menus:

COLOR Menu

This menu provides access to all picture color controls required to adjust and match the displayed colors to the original film content, or to tailor color rendering according to the operator's requirements.

This section also provides access to color profile management:

The scrolling list allows selection of previously saved profiles.



The **Add** button opens a dialog to assign a name to a newly created profile. If the proposed name is not modified when the dialog opens, the existing profile will be overwritten with the new color settings.

The **Remove** button deletes the selected profile from the software database.

The COLOR menu provides access to the following color controls:

Offset for RGB or individual R / G / B channels

Gain for RGB

Gamma for RGB

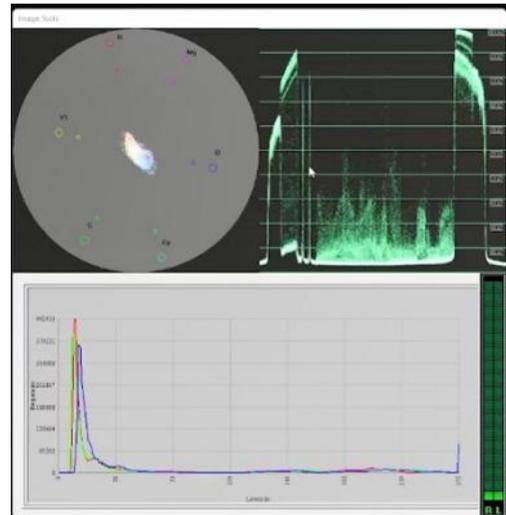
Saturation

Individual R / G / B Gamma and Gain

The menu also allows activation of the Positive/Negative linear color inversion function.

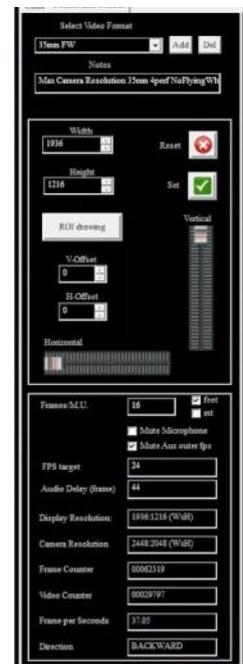
The Reset function restores the current profile to its last saved state.

THE IMAGE TOOL window will show you a live analysis of the images flowing information simulating a video Oscilloscope, Vectorscope, Spectroscope as well as the audio input level.



THE FORMAT AND CONTROL WINDOW

- This window provides access to and control of the picture image dimensions and their correlation with the selected film format. It allows the user to perform the following operations:
- **Load** a pre-existing profile: open the *Video Format* menu and select the desired profile.
- **Add or modify** a profile by saving the current parameters: press the **Enter** button and confirm the proposed name to permanently overwrite the current settings, or enter/edit the name to save the current settings as a new profile.
- **Delete** an existing profile: select the profile and press the **Del** button.
- Enter an extended **Description** to complement the profile name with additional information and references.
- Manage the **ROI (Region of Interest)** size and position using the *ROI Size* and *ROI Offset* controls.



Setup the Audio delay (frames base)

The equipment is fitted with an interchangeable set of read heads for optical (ComOpt) or magnetic (ComMag) audio tracks on film.

The retrograde positioning of the readout block requires buffering of the audio stream to ensure correct playback synchronization.

The configured film format includes the necessary parameters for proper offset compensation.

The table summarizes the compensation values.

FILM FORMAT	AUDIO	Standard Offset (fr.)	24fps Offset	Software Offset Flying Wheel EXTRA	Software Offset NO Flying Wheel EXTRA
8 mm	ComMag	28	1,17s	118	141
Super 8	ComMag	18	0,75s	121	146
9,5 mm Pathé	ComMag	28	1,17s	95	111
16 mm	ComMag	28	1,17s	85	99
16 mm	ComOpt	26	1,08s	83	97
35 mm	ComMag	28	1,17s	51	56
35 mm	ComOpt	21	0,88s	44	49

The “**FPS Target**” control defines the audio playback speed of the film under inspection.

The “**Mute Aux outer fps**” control mutes audio playback when the transport speed differs from the value set in “**FPS Target**”.

The “**Mute Microphone**” control mutes microphone audio playback.