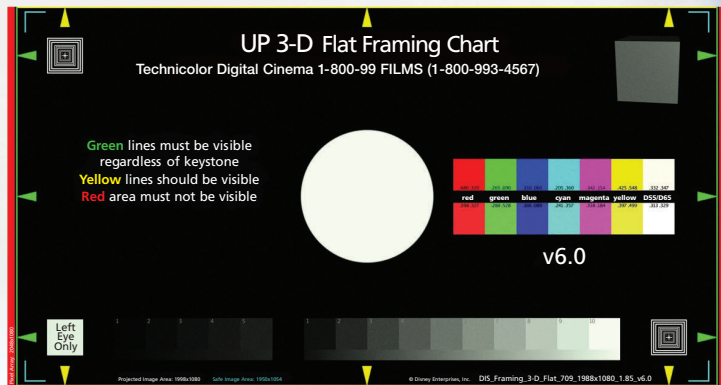


# DISNEY DIGITAL 3-D™

## PROJECTION SPECIFICATIONS



### PLEASE NOTE: THE FORMAT FOR THIS RELEASE IS 2K 3D FLAT 1.85 (1998x1080).

The supplied UP 3-D hard drive includes an UP 3-D Framing Chart, pictured above. You will find it on your hard drive under the file name:

**“Up-3D-Framing-Tech-V6.0\_F\_EN-XX\_51\_2K\_DI\_20090424\_TDC\_i3D”**

Use of any previously supplied Disney 3-D Framing Charts will result in the improper projection of UP 3-D!

In order to project the UP 3-D Framing Chart and UP 3-D feature properly, it is mandatory that your projector is set to **2k 3D FLAT 1.85 (1998x1080)**.

The **GREEN LINES** on the right and left must be visible regardless of the keystone. The **YELLOW LINES** on the top and bottom should be visible but not mandatory. The **RED LINES** must not be visible.

The Framing Chart should also be used to check the phase. To make sure the proper image gets to the proper eye, refer to the section **PROPER PHASE – SETUP AND CHECKING** in the far right column.

The color bar is provided to ensure you are in the right color space. If the color hues do not match (the bottom row should be slightly de-saturated) then you are not in the right color space and your projector is running the wrong color file.

In addition to picture alignment, the chart also contains audio test signals. The audio test signals are provided to make sure your theater auditorium sound system is working properly. A test signal will appear in each speaker separately. This will help make sure that each sound channel is working properly.

Screening and checking the Framing Chart every day will help ensure that all your guests see UP 3-D the way it was meant to be seen!

## SHOW PLAYLIST

### PLEASE BUILD YOUR SHOW PLAYLIST AS LISTED BELOW.

1. Non-Disney trailers, if you choose to play them
2. UP themed, “Please Put On Your 3D Glasses” card (7 seconds)
3. “Keep It Green” Recycle 3D Glasses Card (7 seconds)
4. Non-Disney 3D trailers, if you choose to play them
5. “G-FORCE 3D” trailer #11 (2 minutes 30 seconds)
6. “Toy Story 3 3D” teaser #1 (1 min 45 seconds)
7. Disney Digital 3D Logo (23 seconds)
8. “Partly Cloudy” 3D short - required (5 minutes 44 seconds)
9. UP 3D feature (1 hour 36 minutes)

## AUDITORIUM PREPARATION

Light levels are an important part of any 3-D presentation. You must maximize the on-screen light levels for 3-D. Turn off any unnecessary lights in the auditorium and projection booth

## LIGHT LEVEL – SETUP AND CHECKING

The light level specification for UP 3-D is 4.5fL (through the 3-D glasses and the 3-D display system) measuring the center white circle of the Disney Digital 3-D Framing Chart. The feature has been timed to that level. The acceptable range is 3.5fL to 5.5fL. Maintaining this range will enhance the viewing experience

Please check your light levels with your technician and confirm that your lamp is flicker free with at least 600 hours of life remaining. If possible, please install a new lamp at the beginning of the engagement and have at least 100 hours of use prior to your first presentation of UP 3-D.

**Important Light Check:** Perform initial setup and periodic spot checking of light level by removing the \*polarizer from the light path and measuring the center white circle of the framing chart with a standard 2 degree spot meter. Without the 3-D display system and 3-D glasses, the meter should read 24fL-37fL of corrected light when measured at the brightest spot on the screen.

\* Real D 3-D System—Swing the Z Screen or XL away from lens.

\* Dolby 3-D System—Press “Disable” on DFC-100 Dolby Controller.

**NOTE:** 24fL-37fL is not the specification but rather an intermediate approximate quick check.

## PROPER PHASE – SETUP AND CHECKING

**Important Phase Check:** Check for the correct phase of the 3-D picture. An easy reference is to use the Disney Digital Framing Chart. While wearing the 3-D glasses, you should be able to read the word “Left” with your left eye open and right eye closed. If not, and you are a Real D site, you need to flip the switch on the back of the Real D control box and recheck the 3-D picture again using the glasses.

If you do not have a Real D 3-D system, please contact your system integrator.

## 3-D NOTES

**Projector Channel:** Select “2k 3D FLAT 1.85 (1998x1080)” on your projector control panel.

If you cannot select “2k 3D FLAT 1.85 (1998x1080)” please contact your Digital Cinema Equipment integrator immediately.

**Projected Aspect Ratio:** 1.85:1

**Audio Configuration:** Dolby 5.1 channel digital audio.

**Fader Setting:** Dolby system processor set at 7.0 (85dB C-weighted) using pink noise.

**Image Brightness:** 4.5fL peak white target, maximum 5.5fL, minimum 3.5fL, measured at screen center using the Disney Digital 3-D Framing Chart in 3-D mode with glasses and Z-Screen in place.

**Partly Cloudy and UP feature Running Time:** 102 minutes

**Verify QC or to report any problems during your engagement:** Please call Technicolor at 1-800-99-FILMS and select option #2 to verify that QC has been completed.

Please visit <http://projection.pixar.com/> for vital projection information and reference video.

**Username: Perfect • Password: Projection**

**THANK YOU FOR ALL YOUR HELP AND HARD WORK!**

3-D PROJECTIONIST HOTLINE: **1-800-99FILMS (OPTION 2)** 1-800-993-4567