

SLIDE PROJECTIONS FOR STUNNING EFFECTS AND TEACHING LIGHTING SETUPS FOR VIRTUAL STUDIOS

For classic dedolight

DP3.1 imager/projection attachment
Use with DLH4, DLHM4-300, DLH200DT and DLED4 Series lights for gobo and slide projection.

Choice of projection lenses:
30, 50, 60, 85, 150 and 185 mm, as well as two zoom lenses 70-120mm and 85-150 mm.



DP3.1

With the slide holding attachments which are available for all series of dedolight, slides can be projected.

Usually this wants to be done from an angle, so that the person in front of such a projection will not be touched by the light from the slide projection. This can be done from an angle of 45° or 30°.

Maintaining equal focus from left to right can be achieved by the adjustment of the image plane in our projection devices (left-right as well as up-down).

For light heads of Series 400

For DLH400DT, DLH650 and also the new DLED9, 90W light you can use DP400 imager / projection attachment with slide projection



DP400SHA

For our larger lights

The DP400 imager/projection attachment in combination with a DP1200CON or DP1200CON-WA condenser module may be used with the DLH1200 metal halide light head as well as the DLED12 focusing LED light head.

DP1200CON - Standard
For lenses 150 mm, 185 mm and 230 mm focal length (also possible with 100 mm)

DP1200CON-WA – Use for wide-angle projection lenses 70 mm and 100 mm (150 mm is also possible)



in focus



slide projection out of focus

The background will always appear in focus when using cameras with a small sensor and short focal length lens. Sometimes the effect of a greater separation or space can be achieved by throwing the projected background out of focus – easily done by defocusing the projection lens on our imager.

If further refinement of such effects is wanted, e.g. on a landscape setting, this is possible (by virtue of our moving image plane in the imager) so that the foreground (e.g. the lower part of the image) can be kept in focus, whilst half or two-thirds of the upper image on the projected background can drift out of focus, again creating the illusion of greater depth.

This is also a subject which we will describe in one of our future videos, to show how easy such effects can be achieved.

For the projections of 45° or 30° angle we usually distort the slides in the computer before printing them, and then they will distort on the background onto which the slides are projected so that parallel horizontal description can be maintained. Such slide projections can be used as an easy background projection without the hazards of disturbing reflections from green or blue backgrounds. This may occur when there is not enough space between the talent and the green or blue background.



No distortion



Distorted slide for 30° or 45° projection

To teach lighting for virtual studios, a slide projection can be a wonderful tool. In the same view for the eye, as well as the camera, the projected background image appears at the same time as you can see the setting of the lighting on the talent. Trying to match the lighting on the talent with the character of the lighting in the background is often easily achieved, sometimes aided by the addition of color effect filters.



For the aspiring media student this can be a great learning experience, also for choosing suitable light sources to make the lighting on the talent melt in a natural way into the virtual background (Visibly projected background), and still separate the talent by lighting from the background.



FELLONI as fill light with Grid

DP3.1

FELLONI with warm colored gel

Which slide formats to use for classic dedolight

When you are projecting onto a background, you will not want to see this projection on a person in front of the projected background. Therefore you will place the projector 30 degree (or 45 degree) away from camera axis. With our slide projections, we can adjust the image plane (in 2 axis) and control focus even for projection from an angle.

But we will create key stoning – the projected image will appear distorted.

To compensate key stoning / distortion when projecting from an angle, we pre-distort the images in the adverse direction (in Photoshop). Then the projected image will be displayed without distortion.

Today many backgrounds are created with green screen technology – slide projections occasionally offer an interesting alternative. Even if in the end you will use green screen, the slide projection offers a perfect and direct exercise for matching the lighting on the talent with the character of light in the background.

Our slide projectors come in 2 versions.

DP3.1

A complete unit for the classic dedolights DLH4, DLHM4-300, DLH200DT (see page 38) for use with modified 35 mm slide frames (free window 35 mm wide, 32 mm high). Order code: **DPSFD**

For projection with 85 mm lens from 30 degree angle, distort top and bottom with 3.4 degree (image height will be 32 mm and 25.5 mm left/right)

DP400SHA

Module for our larger DP400 imager/projector (see page 38). Uses regular slide frames 2 1/4 x 2 1/4 (60 x 60 mm). Order code: **DP400SF**

For projection with 150 mm lens from 30 degree angle, distort top and bottom by 5.7 degree, resulting in image height 60 mm and 48 mm (left/right)

Service for slide production with your own images

Using your own images – depending on the application – you may want to make sure that you are in possession of the rights to these images. Transmit the images to us and we can take care of suitable pre-distortion, developing and framing.

Order code: **DPSCD** (for **DP3.1**)

Order code: **DP400SCD** (for **DP400SHA**)

It is best to use slide frames with no protective glasses.

It may be advisable to have several duplicates made, if you want to use the same slide image for a longer period.

