

HYDROCHROME

lomography

SUTTON'S PANORAMIC BELAIR CAMERA

LIQUID GUIDE

One of the most creative features of your new HydroChrome Sutton's Panoramic Belair Camera is surely the Sutton Liquid Lens. With this extraordinary invention, you can go loopy with liquids, wild for the wetlook and crazy with colors! Of course, as ever, we strongly encourage all sorts of outlandish experimentation but it's important to understand how different liquids might affect the focal length of your lens and the resulting levels of blur in your final photos. We have therefore prepared this handy Liquid Guide to help you set sail into an ocean of color without a hitch!

JUST ADD WATER

Start simple and just add water. With the easy addition of wonderful clear water, you can achieve special effects awash with vintage aesthetics and washed-out looks. Watch as the colors fade and your shots take on an antique charm with orbs of light and beautiful blurry bits too.

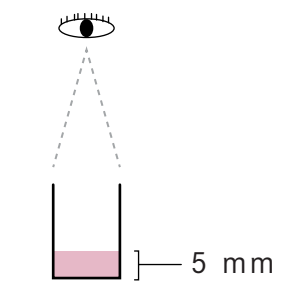


ADD A SPLASH OF COLOR

Once you've got the hang of the mechanism, you can confidently move on to color concoctions. We recommend using water-soluble substances that are free from particles - try using watercolor paint, diluted poster paint or food coloring.

Be careful though, the concentration of the color will strongly affect the look of your shots. Take note of these step-by-step instructions on how to test the concentration of your mixtures so you can ensure more creative control over the final aesthetic of your photographs:

- 1 Fill a transparent container with about 5 mm of your colored solution.
- 2 Make a black mark on a piece of white paper and place the container on top of it.
- 3 Observe the container from above.
- 4 Make sure you can see the mark through your colored solution.

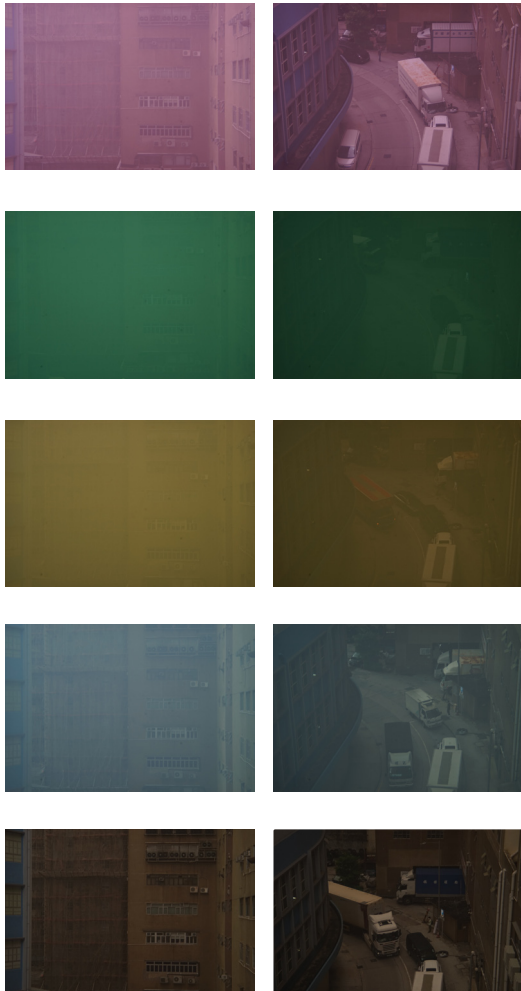


Solution A:
Strong solution
where black mark
is slightly visible.



Solution B:
Weaker solution
where black mark
is clearly visible
but the color is
still rich.

SOLUTION A



SOLUTION B



SHOOTING TIP: Use a larger aperture or longer exposure time when you are using strong solutions (like Sample A above) to avoid underexposing your photos.

BRILLIANT BREWS WITH VARYING VISCOSITY

Different liquids have different refractive indexes depending on their viscosity, which will affect the focal length of your lens. If your creative, colorful concoction is thicker or thinner than water, it will most likely have a different refractive index. This level of refraction will have a direct impact on the level of beautiful blur in your photos!

You can follow the same steps as you would for colored water to test and predict what results you might achieve with other liquid solutions you dream up. Sure, the more crazy, curious, kooky concoctions might be unpredictable, but what's life without a little risk? Be frivolous and devote a couple of frames to more experimental liquids, just make sure you avoid substances that might damage the lens mechanism like the ones listed below:

☺ RECOMMENDED LIQUIDS

WATER

TEA

COFFEE

WATERCOLOR PAINT DILUTED IN WATER

POSTER PAINT DILUTED IN WATER

FOOD COLORING DILUTED IN WATER

☹ LIQUIDS TO AVOID

ALCOHOL

(If left in the lens for a long period, alcohol over 20% will react and damage the lens).

GLUE

(All types of glue solutions will leave a residue which will be hard to clean and remove).

ACRYLIC PAINT

(Although water-based, acrylic paint dries like plastic and will therefore be hard to clean and remove).

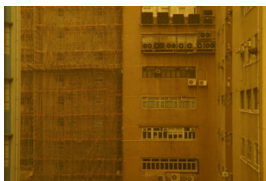
OIL AND OIL PAINT

(All types of oily solutions and oil paint will leave a residue which will be hard to clean and remove).

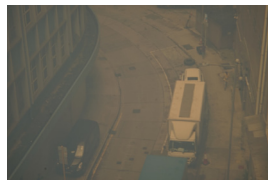
CORROSIVE SUBSTANCES

(Liquids with a high acidic or alkaline concentration such as household bleach will damage your lens).

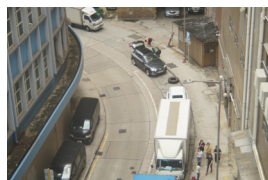
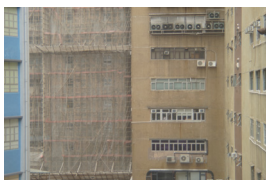
DILUTED
COFFEE



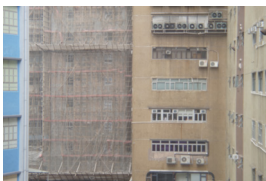
DILUTED
SOY MILK



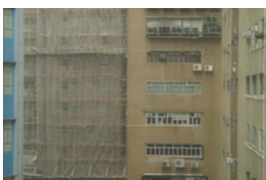
DILUTED
GREEN TEA



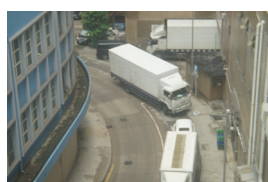
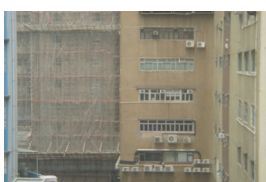
SALTED
WATER



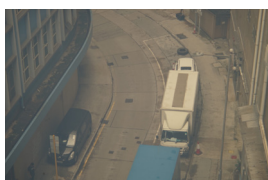
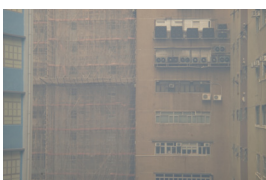
DILUTED
SYRUP



DILUTED
DETERGENT



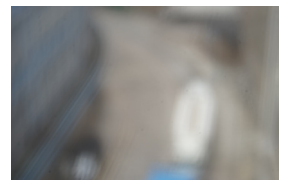
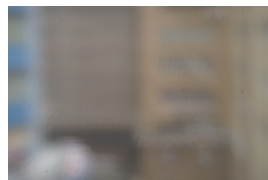
DILUTED
SOY MILK



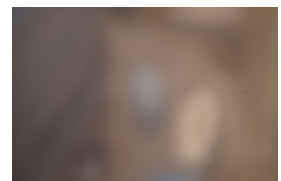
OIL



ALCOHOL GEL



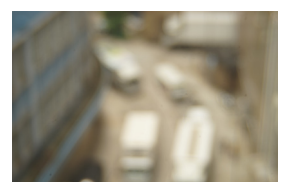
BERRY JAM



DETERGENT



SYRUP



HALF OIL/
HALF WATER

