



3 Dimensional Lens System

SPECIAL INSTRUCTIONS FOR THE USE OF THE QDOS LENS

Congratulations on your decision in purchasing the very latest Vivitar Series 1 lens. This particular zoom features the very latest optical innovation and as such is a world first with the unique characteristic of allowing both normal and 3 dimensional photography.

Utilising the patented Qdos system the reproduction of 3D pictures is totally straightforward and accomplished without any special processing techniques.

As an introduction to the simplicity of producing 3D pictures the following comments will be of value and it is in your own interest to read these short paragraphs so as to ensure the best results.

In addition, you will find packed with your lens a credit card sized hints and tips card which you will find useful to carry with you at all times.

Operational Control

To programme the lens for Qdos 3 dimensional photography it is first necessary to switch the module into position (14).

When in position the lens is handled and focused in the normal way. When positioned correctly you will see a slight colouring of the viewed image. This is totally normal and an effect created by the special Qdos filtration.

Note: If your camera is fitted with a split image focus system, in certain lighting conditions and focal length settings it may be difficult to clearly identify the focus prism. In such instances focusing should be carried out using the conventional focusing screen.

When reverting the lens to its standard position, i.e. for conventional photography, it is only necessary to return the switch (14) to the 'normal' position.

Suggestions for 3D operation

1. Best 3D results are obtained by choosing a subject which is positioned between obvious foreground and/or background, so as to provide comparison of depth.
2. Selection of a focal length between 135mm and 210mm so as to reduce the effective depth of field, i.e. reducing the area of apparent sharpness much closer to the actual camera and core subject distance.
3. Use f5.6 aperture. This will ensure the maximum 3D effect by reducing the effective focus zone (depth of field).

4. The mixture of colour also enhances the overall picture and 3D effect. However, where possible, do not over saturate the picture with red.

Note: In line with all photography, sunshine provides a major ingredient to the end result.

5. Do not forget to use Qdos in conjunction with the macro close up facility of your lens. The results are equally dynamic and exciting.
6. Experiment. The fun of Qdos is that it regenerates the total 'fun of photography' and not just through the medium of standard colour prints, but also with slides (reversal film).

Note: As the Qdos system is optically controlled by special filtration techniques, the introduction of such filters dictates the need for an increase in the f stop (aperture setting) to compensate for the light loss.

On TTL controlled automatic/programmed cameras such a compensation will be handled automatically, but on a manual camera the one stop increase should be set before taking the picture.

Focusing

When set for '3D' use always focus the lens with the Qdos module in place. This requirement is to ensure that the optical interruption created by the filtration system is

minimised so as to allow a good end result.

Note: It is important to remember that the unique characteristic of the Qdos system is the ability to provide fully acceptable photographs which then transform into full 3D excitement when viewed through the special glasses (supplied). Normally such 3D photographs cannot be viewed without glasses and it is this important element which makes the Qdos system totally unique in the world of three dimensional photography.

Contents of Kit

Vivitar Series 1 70-210 Qdos Lens

Pouch Case

Qdos Viewing Glasses

Qdos Clip-on Viewing Glasses

Six Card Framed Qdos Viewing Glasses

Credit Card Sized Qdos Hint/Tips Card

Note: Your Vivitar stockist can also supply extra Qdos viewing glasses (and clip-ons) for other members of your family and friends.

Qdos – name explained

Quantum Duplex Optical System

A collection of letters with a composite meaning in so far that it provides the photographer with the desired control of how and when a subject can be recorded in either a conventional or three dimensional form.

Qdos is a registered trade mark of Hanimex/Vivitar Corporation and a system protected by world patent.

From an original kindly supplied by Theofilos Bernalis, Cyprus.

Amendment on Page 3 incorporated by: