

# Vivitar Series 1

Vivitar — The first name in quality lenses.

## Q-Dos: The World's first switchable 3 dimensional optical system.

# 70-210



Never forget, when it comes to excellence in photography it is the lens that makes the image.

And Vivitar has a long held reputation for producing some of the finest lenses in the industry.

What you see through a Vivitar lens will be faithfully recorded and the final picture — be it beautiful, terrifying or precise — will be enhanced by Vivitar technology.

Flat field zooms, 3 to 1 continuous macro zooms, and a host of other optical 'firsts' were achieved by Vivitar. It is perhaps why the Vivitar Series 1 70-210 is one of the best selling lenses of all time. And why more photographers favour the use of Vivitar lenses than any other brand. It is, after all, the foundation of our past and the framework for our future.

The Vivitar Series 1 Q-Dos 70-210mm lens is our crowning achievement.

A superb quality wide-ranging telephoto zoom that retains all the quality and sharpness of the original Series 1 70-210 providing a whole battery of focal lengths. From 70mm, ideal for portraits, to a stunning 210mm, perfect for capturing distance action shots.

But that's only the beginning. The Vivitar 70-210 Q-Dos lens offers a unique feature that revolutionises 35mm photography and, quite literally, adds a whole new dimension — or rather 'three dimensions' to your picture taking pleasure.

A new era in photography starts here.



It has always been Vivitar's aim to extend the boundaries of photography by bringing together the imagination and skill of the world's leading optical designers with manufacturing excellence to meet the requirements of the discerning and imaginative photographer.

Vivitar has always been renowned for innovation and currently holds over 115 U.S. and international design patents.

We are now proud to add one more to the list — Q-Dos.

Q-Dos is the world's first switchable 3 dimensional single lens system that requires no special film, no special camera or special processing, only a very special lens. The design is based on the legendary Vivitar 70-210 Series 1 lens with the inclusion of a high precision optical module that transforms the image into three dimensions and adds a stunning

dramatic impact to your photographs.

Perhaps the most remarkable achievement is that Q-Dos photographs, viewed normally, are hardly distinguishable from traditional prints. However, with Q-Dos glasses they are transformed into dramatic 3-D images. Projected images are also given the dynamic impact of a three-dimensional effect when viewed with Q-Dos glasses.



Picture taken using a Q-Dos lens, the 3-dimensional effect will be seen by viewing through the glasses attached.

## Normal or 3D? The choice is yours

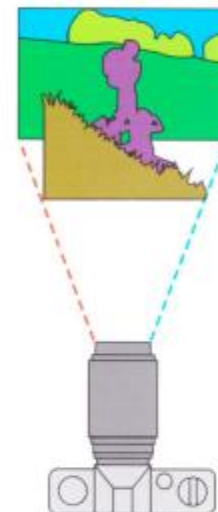
It must be remembered that the Vivitar 70-210 Series 1 Q-Dos lens retains all the legendary qualities of the established Series 1 70-210 but with the unique feature of the switchable Q-Dos control.

This means that the 70-210mm Series 1 Q-Dos lens can be used as a conventional lens or, at the flick of a switch, transform the optics to create exciting Q-Dos 3-D photographs.



**No special film.  
No special camera.  
No special processing —  
just one special lens.**

**HOW TO GET THE BEST 3-D RESULTS FROM YOUR VIVITAR Q-DOS LENS.**



The Vivitar Series 1 70-210mm Q-Dos lens is a creative tool for the enthusiast and professional photographer alike. But only by experimenting and exploiting composition can the full potential of this unique and remarkable lens be discovered and appreciated.

For example, the strongest three dimensional effect will be achieved by ensuring that the composition incorporates a clearly-defined foreground, main subject and background.

Also, the use of wide apertures and correspondingly narrow depth of field enhances the illusion of depth.

The Q-Dos name is devised from Quantum — a name used by physicists to refer to a quantity of energy (such as light energy) and Duplex Optical System which describes the technical process that enables the Q-Dos 3-D effect to be achieved.

The Q-Dos 70-210 Series 1 lens is supplied with a high quality durable pouch case, a wallet-sized hints card, two pairs of quality viewing glasses, plus card framed viewers so that your friends and family can share in the excitement of Q-Dos.

# Vivitar Series 1: A Tradition of Excellence.

Each Vivitar Series 1 lens is a masterpiece of optical and mechanical engineering.

The standards we have set for the manufacturer of a Series 1 lens are exacting. The materials used are the finest and the results speak for themselves with images of brilliance, contrast and clarity.

## Series 1 105mm 1/2.5 Macro

This very high performance lens offers exceptional macro capabilities and a wide aperture for low light use. Lifesize 1:1x reproduction with no adaptors required. It is designed to produce images of near-absolute edge-to-edge sharpness, and yields superb results in portraiture.

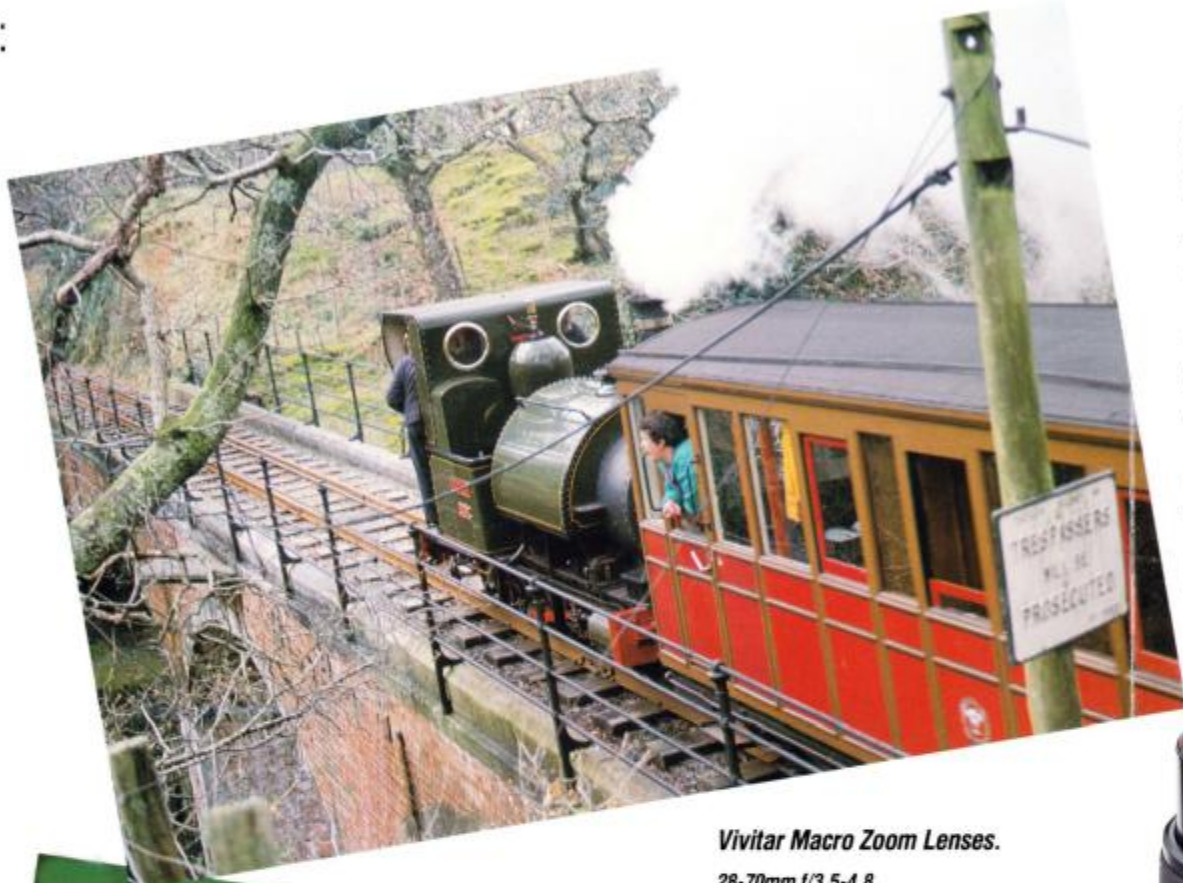
## Series 1 28-105mm 1/2.8-3.8

This is simply one of the finest wide-to-tele zooms in the world. It's also an extraordinarily versatile lens that offers not only superior optical quality, but macro capability as well. Truly deserving of the Series 1 designation.

## Series 1 70-210mm 1/2.8-4 Q-Dos

The Series 1 70-210 is a beautifully designed zoom which offers maximum performance and minimum size. Wonderful to use in low light situations. And Series 1 optics ensure high quality results.

In addition, the lens incorporates the revolutionary Q-Dos system to become the world's first switchable 3-D lens.



Restored By:

## Vivitar Wide Angle Lenses

### 19mm 1/3.8

This is Vivitar's widest angle lens and delivers stunning photos with minimal distortion. The exceptionally compact design makes this lens the perfect extension to your lens portfolio.

### 24mm 1/2.8

If you like, you can get as close as 19cm to your subject when you shoot with this popular Vivitar wide angle lens. Incredible depth of field, dramatic perspective and the 1.5x macro ratio assure you of consistently satisfying photos.

The fast 1/2.8 ensures easy use indoors and in low light situations.

### 28mm 1/2.8

The perfect travelling companion; an excellent second lens; the Vivitar 28mm 1/2.8 is a good match for today's compact-sized SLR cameras.

## Vivitar Dedicated Auto Focus Lenses.

### 28-70mm Zoom

The 28-70 is a terrific general purpose autofocus lens. It offers a true, wide angle perspective for scenic shots and a short telephoto reach too, both in a very compact package. In fact, it's small enough to leave on your camera all of the time, replacing your standard 50mm lens.

### 70-210mm Zoom

It's easy to see why this is the most popular focal length sold today. Amazingly versatile, the 70-210 is an excellent lens for action photography as well as for portraiture. And with the Vivitar Dedicated Auto Focus System, you're assured of sharp details, high contrast and incredible colour fidelity throughout the range.

## Vivitar Macro Zoom Lenses.

### 28-70mm 1/3.5-4.8

This terrific all-purpose lens is extremely compact, and gives you macro capabilities of 1x1.5x, providing sharp results from as close as 40cm.

### 28-210mm 1/3.5-5.6

A single lens that does the work of the six most popular focal lengths, plus macro focusing to 1/4 life size.

### 70-210mm 1/4.5-5.6

The ideal lens to cover all popular photo events. This zoom lets you extend your creativity to macro photography as well.

### 70-300mm 1/4.2-5.8

An ideal lens for sports, action or wildlife photography, the Vivitar 70-300 is compact, lightweight and easy to hold. Shoot creative close-ups with the macro ratio of 1 to 4.



## Vivitar Lens Specifications

	SERIES 1		DEDICATED AUTO FOCUS				WIDE ANGLE		MACRO ZOOM					
Lens Type	105mm 1/2.5 Macro	28-105mm 1/2.8-3.8	70-210mm 1/2.8-4.0 Q-Dos	28-70mm 1/3.5-4.8 Minolta Pentax	28-70mm 1/2.8-4.5 Nikon Canon	70-210mm 1/4.0-5.6 Nikon Canon	70-210mm 1/4.5-5.6 Minolta Pentax	19mm 1/3.8	24mm 1/2.8	28mm 1/2.8	28-70mm 1/3.5-4.8	28-210mm 1/3.5-5.6	70-210mm 1/4.5-5.6	70-300mm 1/4.2-5.8
Aperture Range	1/2.5-1/32	1/2.8-1/22	1/2.8-1/22	1/3.5-1/22	1/2.8-1/22	1/4.0-1/32	1/4.5-1/22	1/3.8-1/22	1/2.8-1/22	1/2.8-1/22	1/3.5-1/22	1/3.5-1/22	1/4.5-1/32	1/4.2-1/22
Optical Construction	6 elements 6 groups	14 elements 12 groups	14 elements 11 groups	8 elements 8 groups	10 elements 9 groups	12 elements 8 groups	10 elements 7 groups	9 elements 8 groups	7 elements 7 groups	5 elements 5 groups	8 elements 8 groups	14 elements 12 groups	10 elements 7 groups	13 elements 9 groups
Minimum Focusing Distance	0.35m	0.2m	1.1m	0.35m	0.4m	1.3m	1.34m	0.2m	0.19m	0.22m	0.35m	1.1m	1.14m	1.5m
Macro Ratio	1:1x	1:2.3x	1:2.5x	1:4x	1:5x	1:5x	1:5x	1:6.4x	1:5x	1:5x	1:4x	1:4x	1:4x	1:4x
Length	102.5mm	104.5mm	131mm	72.5mm	64.7mm	87mm	104mm	36.5mm	40.5mm	38.5mm	75mm	110.5mm	103mm	113.5mm
Weight	650g	600g	760g	350g	375g Canon 330g Nikon	550g	480g	184g	185g	155g	350g	535g	415g	485g
Maximum Diameter	72mm	70mm	69.5mm	67.5mm	71.2mm	72.7mm	65.5mm	65mm	63.5mm	63.5mm	62mm	75mm	63mm	65mm
Lens Coating	multi-coated	multi-coated	multi-coated	multi-coated	multi-coated	multi-coated	multi-coated	multi-coated	multi-coated	multi-coated	multi-coated	multi-coated	multi-coated	multi-coated
Accessory Size	52mm	67mm	58mm	52mm	52mm	52mm	52mm	62mm	52mm	49mm	52mm	72mm	52mm	55mm

Specifications subject to change without notice.

Focal length guide.



Vivitar and Q-Dos are registered trademarks of Vivitar Corporation. April 1992. Q-Dos patent held by Vivitar Corporation.