

# TAMRON

## Setting New Standards



2.8mm ▼ 97°



3.5mm ▼ 71°



13VM2812AS  
Manual Iris



13VG2812AS-SQ  
DC Iris



13VA2812AS-SQ  
Video Auto Iris



6mm ▼ 44°



12mm ▼ 24°

### 1/3 2.8-12mm F/1.4

## ASPHERICAL VARI-FOCAL

### Aspherical Optical Technology

Sharper image quality is achieved through Tamron's use of an Aspherical element. This enhances overall performance by eliminating image distortion and providing superb corner to corner sharpness.

### Versatile Focal Range

Tamron's 2.8-12mm Vari-Focal redefines the standard for the CCTV industry. From extremely wide-angle to telephoto, this one lens can be used in virtually all CCTV security applications.

### Fast F/1.4 Aperture

With an aperture range of F/1.4~360 (Auto Iris versions) and a 3-blade diaphragm (for manual iris), the Tamron 2.8-12mm is the ideal lens for use in extreme lighting conditions.

### Three Types of Iris Selection

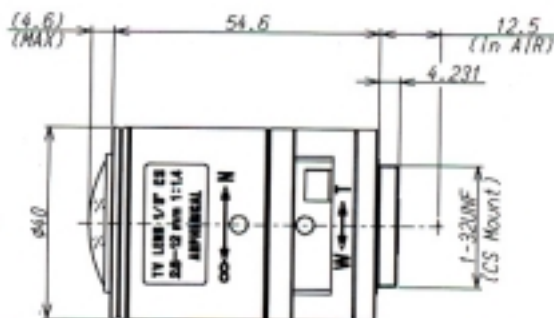
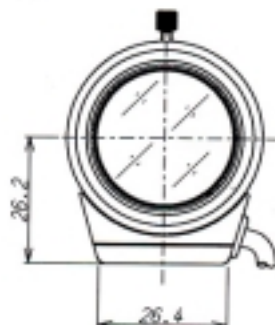
Not only can you get Tamron's 1/3" CS-mount 2.8-12mm lens in Manual Iris and DC Auto Iris, Tamron also offers a Video Auto Iris version to meet the discriminating needs of today's applications.

# TAMRON

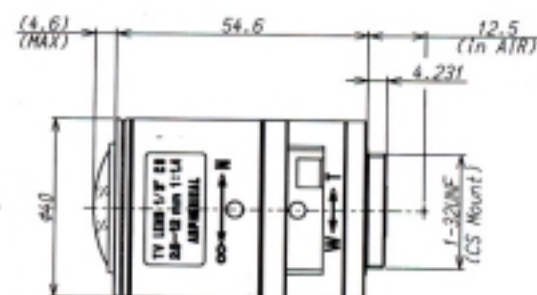
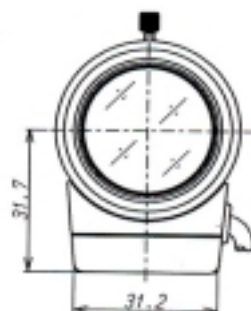
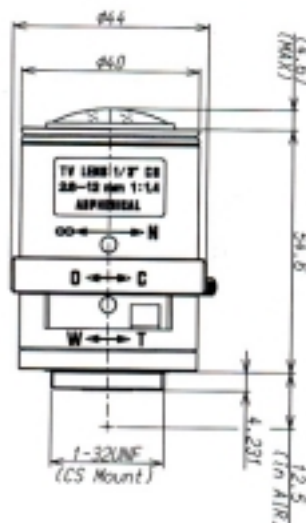
## Vari-Focal 1/3" 2.8-12mm F/1.4 Specifications



**13VM2812AS**  
1/3" 2.8-12mm 1:1.4  
Manual Iris



**13VG2812AS-SQ**  
1/3" 2.8-12mm 1:1.4  
DC Iris w/4Pin Plug



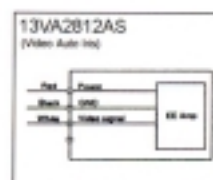
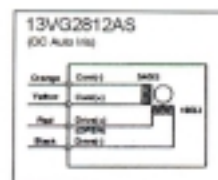
**13VA2812AS-SQ**  
1/3" 2.8-12mm 1:1.4  
Video A/I w/4Pin Plug

# Specifications

(Unit = mm)

	Manual Iris	DC Iris	Video Iris
Model #	<b>13VM2812AS</b>	<b>13VG2812AS-SQ</b>	<b>13VA2812AS-SQ</b>
Image Format	1/3"	←	←
Focal Length	2.8-12mm	←	←
Iris Range	F/1.4-Close	F/1.4-360	←
Focus Operation	Manual w/Lock Screw	←	←
Zoom Operation	Manual w/Lock Screw	←	←
Angle of View			
Wide	97.4° x 72.5°	←	←
Tele	24.1° x 18.1°	←	←
Effective Diameter			
Front	∅ 26.4mm	←	←
Rear	∅ 8mm	←	←
Minimum Object Distance	0.3mm	←	←
Back Focus (in air)	8.6mm	←	←
Maximum Diameter	∅ 1.57in (∅ 40mm)	←	←
Overall Length	2.2in (54.6mm)	←	←
Mount	CS	←	←
Weight	72g (2.5 oz.)	79g (2.8 oz.)	82g (2.9 oz.)

## Wiring Diagram



**ISO 9001 Certified**  
Tamron operates a quality management system that has been certified as conforming to ISO 9001.

**ISO 14001 Certified**  
Tamron operates an environmental management system that has been certified as conforming to ISO 14001.