

# 13VA Series Varifocal Lens

## 1/3-INCH FORMAT, MANUAL IRIS

### Product Features

- CS Mount
- For use with 1/3-Inch Format Cameras
- Manual Iris, Manual Focus, and Manual Zoom
- High Resolution Power in a Compact Body



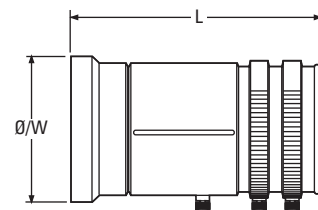
13VA5-40

Pelco's **13VA Series** 1/3-inch varifocal lenses offer versatile and flexible packages in one lens. Each adjustable manual iris lens in this series covers a specific range of focal lengths. Adjust these lenses to get the exact field of view instead of "almost-the-right-view."

Appropriate for indoor and outdoor lighting situations, the **13VA Series** lenses will fit all 1/3-inch CS-mount cameras and are ideal for those equipped with an electronic iris feature. Some lenses have aspheric elements, which provide optimized, crisper images at all focal lengths.

Lenses in this series are available in 2.1X, 2.7X, 4.3X, 8X, and 10X zoom with varying focal lengths.

Pelco's **13VA Series** varifocal lenses are optimized for maximum light transmission. Maximum f-numbers range from f/1.0~f/1.6 for excellent low light characteristics.



	Ø/W	L
13VA1-3	1.56 (3.96)	2.05 (5.21)
13VA2.8-12	1.58 (4.01)	2.33 (5.92)
13VA3-8	1.30 (3.30)	1.78 (4.52)
13VA5-40	1.65 (4.19)	2.86 (7.26)
13VA5-50	1.56 (3.96)	2.33 (5.92)

NOTE: VALUES IN PARENTHESES ARE CENTIMETERS; ALL OTHERS ARE INCHES.



# TECHNICAL SPECIFICATIONS

## MODELS

	<b>13VA1-3</b>	<b>13VA2.8-12</b>	<b>13VA3-8</b>
Type	Varifocal	Varifocal	Varifocal
Format Size	1/3-inch	1/3-inch	1/3-inch
Mount Type	CS	CS	CS
Focal Length	1.6~3.4 mm	2.8~12 mm	3~8 mm
Zoom Ratio	2.1X	4.3X	2.7X
F-number	1.4~Close	1.4~Close	1.0~Close
Operation			
Iris	Manual	Manual	Manual
Focus	Manual	Manual	Manual
Zoom	Manual	Manual	Manual
Angle of View			
Diagonal	106.1°~180.0°	—	—
Horizontal	84.3°~180.0°	24.1°~97.4°	36°~91°
Vertical	55.8°~114.1°	18.1°~72.5°	27°~67°
Minimum Object Distance	0.2 m	0.3 m	0.2 m
Back Focal Length	7.07~11.55 mm	8.6 mm	8.36 mm
Filter Size (mm)	N/A	N/A	NIL
Unit Weight	0.20 lb (0.09 kg)	0.15 lb (0.06 kg)	0.09 lb (0.04 kg)
Shipping Weight	1 lb (0.45 kg)	1 lb (0.45 kg)	1 lb (0.45 kg)
	<b>13VA5-40</b>	<b>13VA5-50</b>	
Type	Varifocal	Varifocal	
Format Size	1/3-inch	1/3-inch	
Mount Type	CS	CS	
Focal Length	5~40 mm	5~50 mm	
Zoom Ratio	8X	10X	
F-number	1.6~Close	1.4~Close	
Operation			
Iris	Manual	Manual	
Focus	Manual	Manual	
Zoom	Manual	Manual	
Angle of View			
Diagonal	8.8°~66.9°	—	
Horizontal	6.5°~53.6°	5.3°~53.4°	
Vertical	4.8°~40.2°	4.1°~40.1°	
Minimum Object Distance	0.5 m	0.5 m	
Back Focal Length	10~14.3 mm	10.05 mm	
Filter Size (mm)	40.5P0.5	N/A	
Unit Weight	0.30 lb (0.14 kg)	0.20 lb (0.09 kg)	
Shipping Weight	1 lb (0.45 kg)	1 lb (0.45 kg)	

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