



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 Compact Body



13VA5-40

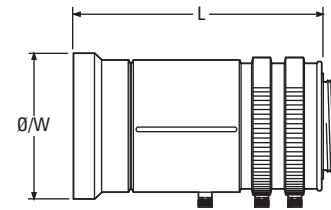
Pelco's **13VA Series** 1/3-inch varifocal lenses offer versatile and flexible packages in one lens. Each adjustable manual iris lens in this series covers a specific range of focal lengths. Adjust these lenses to get the exact field of view instead of "almost-the-right-view."

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, 2.4X, 2.7X, 4.3X, 8X, 10X and 15X zoom with varying focal lengths.

Pelco's VA series varifocal lenses are optimized for maximum light transmission. Maximum apertures range from f1.4 to f1.8 for excellent low light characteristics.

Select the model lens that best suits your needs from the Technical Specifications section of this product specification sheet.



	Ø/W	L
13VA1-3	1.56 (3.96)	2.05 (5.21)
13VA2.5-6	1.56 (3.96)	1.84 (4.67)
13VA2.8-12	1.58 (4.01)	2.33 (5.92)
13VA3-8	1.51 (3.83)	2.13 (5.41)
13VA5-40	1.65 (4.19)	2.86 (7.26)
13VA5-50	1.56 (3.96)	2.33 (5.92)
13VA5.5-82.5	1.89 (4.80)	3.25 (8.26)

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



DataFAX
SPEC: 2754
MANUAL: 27486

C754 / REVISED 2-03

International Organization
for Standardization;
Registered ISO 9001



TECHNICAL SPECIFICATIONS

MODELS

	13VA1-3	13VA2.5-6	13VA2.8-12	13VA3-8
Type	Varifocal	Varifocal	Varifocal	Varifocal
Format Size	1/3-inch	1/3-inch	1/3-inch	1/3-inch
Mount Type	CS	CS	CS	CS
Focal Length	1.6~3.4 mm	2.5~6 mm	2.8~12 mm	3~8 mm
Zoom Ratio	2.1X	2.4X	4.3X	2.7X
Relative Aperture (F)	1.4~Close	1.4~Close	1.4~Close	1.0~Close
Operation				
Iris	Manual	Manual	Manual	Manual
Focus	Manual	Manual	Manual	Manual
Zoom	Manual	Manual	Manual	Manual
Angle of View				
Diagonal	106.1°~180.0°	56.8°~133.3°	—	44.9°~117.9°
Horizontal	84.3°~180.0°	45.6°~107.6°	24.1°~97.4°	35.9°~91.0°
Vertical	55.8°~114.1°	34.2°~80.9°	18.1°~72.5°	26.9°~66.6°
Minimum Object Distance	Close	0.2 m	0.3 m	0.2 m
Back Focal Length	7.07~11.55 mm	8.72~14.24 mm	8.6 mm	8.36~14.12 mm
Filter Size (mm)	N/A	Consult factory	N/A	NIL
Unit Weight	0.20 lb (0.09 kg)	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)	1 lb (0.45 kg)
	13VA5-40	13VA5-50	13VA5.5-82.5	
Type	Varifocal	Varifocal	Varifocal	
Format Size	1/3-inch	1/3-inch	1/3-inch	
Mount Type	CS	CS	CS	
Focal Length	5~40 mm	5~50 mm	5.5~82.5 mm	
Zoom Ratio	8X	10X	15X	
Relative Aperture (F)	1.6~Close	1.4~Close	1.8~Close	
Operation				
Iris	Manual	Manual	Manual	
Focus	Manual	Manual	Manual	
Zoom	Manual	Manual	Manual	
Angle of View				
Diagonal	8.8°~66.9°	—	4.2°~64.7°	
Horizontal	6.5°~53.6°	5.3°~53.4°	3.1°~50.7°	
Vertical	4.8°~40.2°	4.1°~40.1°	2.3°~37.5°	
Minimum Object Distance	0.5 m	0.5 m	0.2 m	
Back Focal Length	10~14.3 mm	10.05 mm	8.65~10.32 mm	
Filter Size (mm)	40.5P0.5	N/A	46P0.75	
Unit Weight	0.30 lb (0.14 kg)	0.20 lb (0.09 kg)	0.48 lb (0.22 kg)	
Shipping Weight	1 lb (0.45 kg)	1 lb (0.45 kg)	1 lb (0.45 kg)	



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