

# 13VD Series Varifocal Lens

## 1/3-INCH FORMAT, AUTO IRIS (DIRECT DRIVE)

### Product Features

- CS Mount
- Spot Filter
- For Use with 1/3-Inch Format Cameras
- Auto Iris, Manual Focus, and Zoom
- High Resolution Power in Compact Body



13VD5-40

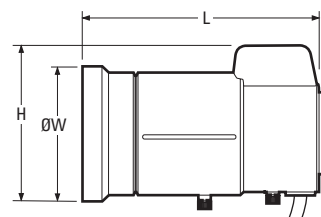
Pelco's **13VD Series** 1/3-inch varifocal lenses offer versatile and flexible packages in one basic lens. Each auto iris lens in this series covers a specific range of focal lengths. Adjust these lenses to get the exact field of view instead of "almost the right view."

Appropriate for indoor and outdoor lighting situations, the **13VD Series** lenses will fit all 1/3-inch CS-mount cameras requiring DC-drive auto iris lenses. In addition, all auto iris lenses include a spot filter. Lenses in the **13VD Series** come with a standard square 4-pin plug installed for ease of installation and convenience.

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 VD series lenses are intraspot-type lenses, which optimize the dynamic range of the iris. Maximum apertures of no less than F1.8 to a minimum aperture of F360 are typical of all these lenses. This allows for excellent performance characteristics across a wide range of lighting conditions.

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



	H	ØW	L
13VD1-3	1.80 (4.57)	1.56 (3.96)	2.05 (5.21)
13VD2.5-6	1.80 (4.57)	1.55 (3.94)	1.85 (4.70)
13VD2.8-12	1.83 (4.65)	1.58 (4.01)	2.33 (5.92)
13VD3-8	1.65 (4.20)	1.30 (3.30)	1.78 (4.52)
13VD5-40	1.95 (4.95)	1.66 (4.22)	2.85 (7.24)
13VD5-50	2.13 (5.41)	1.63 (4.14)	2.33 (5.92)
13VD5.5-82.5	2.15 (5.46)	1.89 (4.80)	3.23 (8.20)

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



# TECHNICAL SPECIFICATIONS

## MODELS

	<b>13VD1-3</b>	<b>13VD2.5-6</b>	<b>13VD2.8-12</b>	<b>13VD3-8</b>
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)	1.4~360	1.4~125	1.4~360	1.0~360
Operation				
Iris	Auto (Direct Drive)	Auto (Direct Drive)	Auto (Direct Drive)	Auto (Direct Drive)
Focus	Manual	Manual	Manual	Manual
Zoom	Manual	Manual	Manual	Manual
Angle of View				
Diagonal	106.1°~180.0°	56.8°~133.3°	—	—
Horizontal	84.3°~180.0°	45.6°~107.6°	24.1°~97.4°	36°~91°
Vertical	55.8°~114.1°	34.2°~80.9°	18.1°~72.5°	27°~67°
Minimum Object Distance	0.2 m	0.2 m	0.3 m	0.2 m
Back Focal Length	7.06~11.54 mm	8.72~14.24 mm	8.6 mm	8.36 mm
Filter Size (mm)	N/A	N/A	N/A	N/A
Unit Weight	0.23 lb (0.11 kg)	0.20 (0.09 kg)	0.17 lb (0.08 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)
	<b>13VD5-40</b>	<b>13VD5-50</b>	<b>13VD5.5-82.5</b>	
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)	1.6~360	1.4~360	1.8~360	
Operation				
Iris	Auto (Direct Drive)	Auto (Direct Drive)	Auto (Direct Drive)	
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	Consult factory	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)	0.25 lb (0.11 kg)	0.44 lb (0.20 kg)	
Shipping Weight	1 lb (0.45 kg)	1 lb (0.45 kg)	1 lb (0.45 kg)	

## CERTIFICATIONS

- CE, Class B (all models)

## OPTIONAL ACCESSORIES

LDC100	Auto iris drive converter. Converts a DC-drive auto iris lens to a video drive auto iris lens. Compatible with all lens size formats.
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