



# PRODUCT SPECIFICATION

## 13ZD\*X\* Series Motorized Zoom 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 (Direct Drive, No Amplifier), Motorized Focus and Zoom (with or without Presets)
- High Resolution Power in Compact Body

Pelco's **13ZD\*X\* Series** of 1/3-inch motorized zoom lenses cover a wide range of applications from wide angle to telephoto. Each auto-iris lens in this series covers a specific range of focal lengths and is available with or without preset positioning.

Appropriate for indoor and outdoor lighting situations, the **13ZD\*X\* 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. A factory-installed square 4-pin auto-iris connector is standard. Zoom and focus functions are provided by a 6-pin Hirschmann connector on models without preset positioning or a 9-pin Amp CPC connector on models with preset positioning. These connectors are factory installed for your convenience and ease of installation.

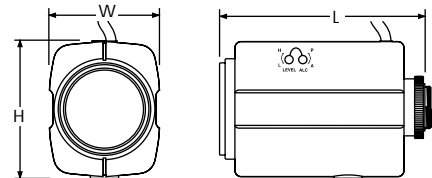
Lenses in this series are available in 6X, 8X, 10X, 15X, 20X and 30X zoom with varying focal lengths.

Various maximum apertures of f1 f0.95 (for difficult low-light applications) to f1.6 and a minimum aperture of f360 allow 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.



13ZD5.6X20



	H	W	L
13ZD6X6(P)	3.15 (80.01)	2.57 (65.28)	3.47 (88.14)
13ZD6X8(P)	3.15 (80.01)	2.57 (65.28)	4.23 (107.44)
13ZD6X10(P)	3.15 (80.01)	2.73 (69.34)	4.77 (121.16)
13ZD6X15(P)	3.15 (80.01)	2.73 (69.34)	4.77 (121.16)
13ZD5.6X20(P)	3.15 (80.01)	2.73 (69.34)	4.84 (122.94)
13ZD5.5X30(P)	3.15 (80.01)	3.43 (87.00)	6.57 (167.00)

NOTE: ALL MEASUREMENTS ARE WITH LENSES FULLY EXTENDED ("FOCUS NEAR" MODE).  
VALUES IN PARENTHESES ARE MILLIMETERS;  
ALL OTHERS ARE INCHES.

LENSES  
MOTORIZED, AUTO IRIS



International Standards Organization Registered Firm ISO 9001 Quality System



# TECHNICAL SPECIFICATIONS

## MODELS

	<b>13ZD6X6/ 13ZD6X6P</b>	<b>13ZD6X8/ 13ZD6X8P</b>	<b>13ZD6X10/ 13ZD6X10P</b>	<b>13ZD6X15/ 13ZD6X15P</b>
Type	Motorized Zoom	Motorized Zoom	Motorized Zoom	Motorized Zoom
Format Size	1/3-inch	1/3-inch	1/3-inch	1/3-inch
Mount Type	CS	CS	CS	CS
Focal Length	6-36mm	6-48 mm	6-60 mm	6-90 mm
Zoom Ratio	6X	8X	10X	15X
Relative Aperture (F)	0.95-360	1.4-360	1.6-360	1.6-360
Operation				
Iris	Auto Iris (Direct Drive)	Auto Iris (Direct Drive)	Auto Iris (Direct Drive)	Auto Iris (Direct Drive)
Focus	Motorized*	Motorized*	Motorized*	Motorized*
Zoom	Motorized*	Motorized*	Motorized*	Motorized*
Angle of View				
Diagonal	9.7°-53.7°	7.3°-54.4°	5.8°-54.3°	3.9°-54.3°
Horizontal	7.8°-43.7°	5.8°-44.2°	4.7°-44.2°	3.1°-44.2°
Vertical	5.9°-33.0°	4.4°-33.5°	3.5°-33.5°	2.4°-33.5°
Minimum Object Distance	1.0m	1.0 m	1.0 m	1.0 m
Back Focal Length	8.66mm	10.10 mm	9.55 mm	9.55 mm
Filter Size (mm)	46P0.75	46P0.75	52P0.75	52P0.75
Unit Weight	.88 lb (.40 kg)	.92 lb (.42 kg)	1.19 lb (.54 kg)	1.43 lb (.65 kg)
Shipping Weight	2 lb (.90 kg)	2 lb (.90 kg)	3 lb (1.36 kg)	3 lb (1.36 kg)
	<b>13ZD5.6X20/ 13ZD5.6X20P</b>	<b>13ZD5.5X30/ 13ZD5.5X30P</b>		
Type	Motorized Zoom	Motorized Zoom		
Format Size	1/3-inch	1/3-inch		
Mount Type	CS	CS		
Focal Length	5.6-112 mm	5.5-165 mm		
Zoom Ratio	20X	30X		
Relative Aperture (F)	1.6-360	1.8-360		
Operation				
Iris	Auto Iris (Direct Drive)	Auto Iris (Direct Drive)		
Focus	Motorized*	Motorized*		
Zoom	Motorized*	Motorized*		
Angle of View				
Diagonal	3.2°-59.4°	2.1°-58.7°		
Horizontal	2.6°-47.6°	1.7°-47.6°		
Vertical	1.9°-35.7°	1.3°-33.9°		
Minimum Object Distance	1.5 m	1.8 m		
Back Focal Length	8.97 mm	15.5 mm		
Filter Size (mm)	55P0.75	72P0.75		
Unit Weight	1.23 lb (.56 kg)	1.84 lb (.83 kg)		
Shipping Weight	3 lb (1.36 kg)	3 lb (1.36 kg)		

\*Model numbers with "P" suffix are motorized with preset capability.

## 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. (See C784 spec)
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Indicates change or addition since last revision.

Specifications subject to change without notice.  
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