Varifocal lenses

Security Systems



- High-quality optics
- 1/3-inch and 1/2-inch formats
- Reliable, robust construction
- Focal length options
- Compact design
- Manual and DC-iris versions
- Manual focus and zoom control

For optimizing angular fields right on site, varifocal lenses are the most versatile and practical solution available. These lenses allow for setting virtually any angle of field, which maximizes surveillance effects. Installers do not need to carry several different focal length lenses – and installation is more efficient because they can find the right angles of field without moving the camera set-up. If the field-of-view requirements change after installation, modification is simple by just altering the lens' focal length settings.

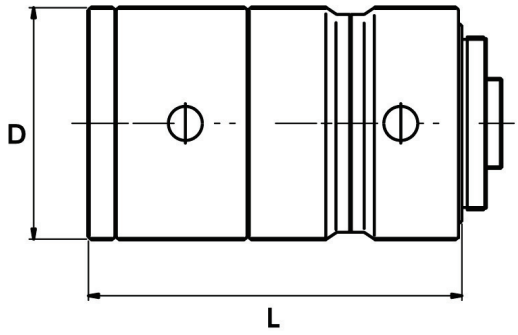
Functions

This series includes both manual and DC-iris varifocal lenses. They are compact, rugged, and available in 1/3-inch and 1/2-inch image formats. The series is organized by sensitivity, optical resolution, and range to match the wide range of Dinion camera applications.

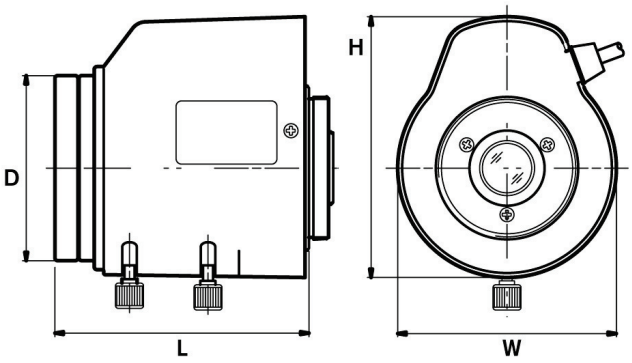
These varifocal lenses come with a standard C or CS mount for use with a variety of cameras. The DC-iris control connection is a four-pin standard plug that fits directly into the camera's iris output. And the lenses deliver impressive optical quality due to their high standards for resolution, contrast reproduction, and coating.

The mechanical construction is designed to withstand both frequent DC-iris control operations and the environmental stress of security installations. For flexible, high-quality, reliable lenses that match a camera's performance, this varifocal series is the ideal solution.

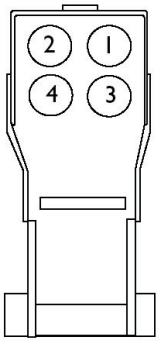
Installation/Configuration Notes



Lens Type	L mm (in)	D mm (in)
LTC 3271/40	86 (3.38)	54 (2.12)
LTC 3361/32	42 (1.65)	36 (1.42)
LTC 3361/40	59 (2.32)	44 (1.73)
LTC 3361/50	55 (2.17)	34 (1.34)
LTC 3361/60	45.3 (1.78)	33 (1.3)
LTC 3371/20	59.2 (2.33)	44 (1.73)
LTC 3371/50	61.5 (2.42)	44 (1.73)



Lens Type	L mm (in)	D mm (in)	H mm (in)	W mm (in)
LTC 3264/30	43.5 (1.71)	34 (1.34)	42.6 (1.68)	38.6 (1.52)
LTC 3274/41	77 (3.03)	42 (1.65)	56.8 (2.24)	46.5 (1.83)
LTC 3364/21	44 (1.73)	35.2 (1.39)	45.7 (1.8)	40.4 (1.59)
LTC 3364/31	44 (1.73)	35.2 (1.39)	45.7 (1.8)	40.4 (1.59)
LTC 3364/50	55 (2.17)	34 (1.34)	46 (1.81)	40 (1.57)
LTC 3364/60	45.3 (1.78)	33 (1.3)	46.5 (1.83)	39 (1.54)
LTC 3374/50	61.5 (2.42)	44 (1.73)	52.2 (2.06)	44.4 (1.75)



4-pin Connector (Front view)

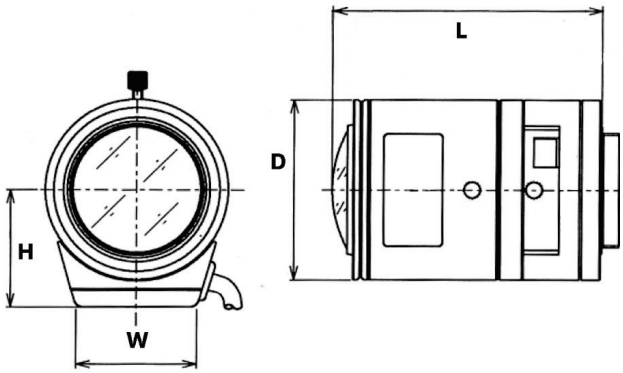
Passive-iris 4-pin

Pin 1: Damping coil -

Pin 2: Damping coil +

Pin 3: Driving coil + (open)

Pin 4: Driving coil -



Lens Type	L mm (in)	D mm (in)	H mm (in)	W mm (in)
LTC 3364/40	59 (2.32)	44 (1.73)	26.2 (1.03)	26.4 (1.04)
LTC 3374/40	59.2 (2.33)	41 (1.61)	33.2 (1.31)	25 (0.98)
LTC 3664/40	59 (2.32)	44 (1.73)	26.2 (1.03)	26.4 (1.04)

Varifocal Lenses 1/2“ and 1/3“						
	LTC 3264/30	**LTC 3274/41**	**LTC 3361/32**	**LTC 3361/40**	**LTC 3361/50**	**LTC 3361/60**
Image format	1/2-inch	1/2-inch	1/3-inch	1/3-inch	1/3-inch	1/3-inch
Focal length	4.5 - 10 mm	7.5 – 75 mm	3 –8 mm	2.8 –12 mm	2.8 – 10 mm	3.5 – 8 mm
Iris range	F1.6 - 360	F1.7 – 360	1.0 to Close	1.4 to Close	F1.4 – close	F1.4 – close
Focus range	0.3 m (1ft) to infinity	0.3 m (1ft)	0.2m (0.66ft)	0.3m (1ft)	0.3 m (1 ft)	0.3 m (1 ft)
Back focus distance	8.6 mm (0.34 in)	8.5 mm (0.34 in)	8.36 mm (0.33in)	8.6 mm (0.34in)	7.8 mm (0.3 in)	8.4 mm (0.33 in)
Weight	50 g (0.11 lb)	220 g (0.48 lb)	39 g (0.09 lb)	72 g (0.16 lb)	57 g (0.13 lb)	41 g (0.1lb)
Lens mount	CS	C	CS	CS	CS	CS
Angle view Wide	81.3x60.9	46.2 x 35.5	91x67	97.4x72.5	83 x 62.4	77.6 x 58.2
Angle view Tele	38.2x28.7	4.9 x 3.7	36x27	24.1x18.1	28.8 x 21.6	33.6 x 25
Iris control	4-pin, DC control	4-pin, DC control	Manual	Manual	Manual	Manual
Focus ctrl	Manual	Manual	Manual	Manual	Manual	Manual
Zoom ctrl	Manual	Manual	Manual	Manual	Manual	Manual

Varifocal Lenses 1/2“ and 1/3“						
	LTC 3364/21	**LTC 3364/31**	**LTC 3364/40**	**LTC 3364/50**	**LTC 3364/60**	**LTC 3371/20**
Image format	1/3-inch	1/3-inch	1/3-inch	1/3-inch	1/3-inch	1/3-inch
Focal length	2.8 –6mm	3.5 –8mm	2.8 – 11 mm	2.8–10 mm	3.5 –8 mm	5 –50 mm
Iris range	F1.4 - 300	F1.4 - 300	F1.4 – 360	F1.4 to 360	F1.4 to 360	F1.4 to Close
Focus range	0.3m (1ft)	0.35 m (1.1ft)	0.3 m (1ft) to infinity	0.3 m (1ft)	0.3 m (1ft)	1m (3.3ft)
Back focus distance	7.54mm (0.3in)	7.79 mm (0.31in)	8.6 mm (0.34 in)	7.8 mm (0.3in)	8.4mm (0.33in)	10.05 mm (0.4in)
Weight	59 g (0.13 lb)	55 g (0.12 lb)	79 g (0.17 lb)	69 g (0.15 lb)	53 g (0.13 lb)	85 g (0.187 lb)
Lens mount	CS	CS	CS	CS	CS	CS
Angle view Wide	96.9x72.5	79.8x58.8	97.4x72.4	83x62.4	77.6x58.2	53.4x40.1
Angle view Tele	46.7x35.1	35.4x26.6	26.2x19.7	28.8x21.6	33.6x52	5.3x4.1
Iris control	4-pin, DC control	4-pin, DC control	4-pin, DC control	4-pin, DC control	4-pin, DC control	Manual
Focus ctrl	Manual	Manual	Manual	Manual	Manual	Manual
Zoom ctrl	Manual	Manual	Manual	Manual	Manual	Manual

Varifocal Lenses 1/2“ and 1/3“						
	LTC 3371/50	**LTC 3374/20**				
Image format	1/3-inch	1/3-inch				
Focal length	5 – 50 mm	5 –50 mm				
Iris range	F1.7 – close	F1.4 to 185				
Focus range	1 m (3.3 ft)	1m (3.3ft)				
Back focus distance	7.6 mm (0.3 in)	10.05 mm (0.4 in)				
Weight	149 g (0.33 lb)	97 g (0.213 lb)				
Lens mount	CS	CS				
Angle view Wide	50 x 37.8	53.4x40.1				
Angle view Tele	5.5 x 4.1	5.3x4.1				
Iris control	Manual	4-pin, DC control				
Focus ctrl	Manual	Manual				
Zoom ctrl	Manual	Manual				

Technical Specifications	
Environmental	
Operating Temperature	-10°C to+50°C (+14°F to +122°F)
Storage Temperature	-40°C to +70°C (-40°F to + 158°F)
Operating Humidity	Up to 93% non-condensing
Cerification	CE (DC-iris models)

Ordering Information
Model & Description
LTC 3264/30
1/2" Varifocal lens 4.5–10 mm, DC-IRIS, CS f/1.6-360, 4 pin
LTC 3271/40
1/2" Varifocal lens 7.5– 5 mm, manual-iris
LTC 3274/41
1/2" Varifocal lens 7.5–75 mm, DC-IRIS, 4 pin
LTC 3331/21
1/3", 4.0 mm manual-iris lens, CS, f/1.2-close
LTC 3361/32
1/3" Varifocal lens 3.0–8mm, manual-iris, CS f/1.0-close
LTC 3361/40
1/3" Varifocal lens 2.8–12mm, manual-iris, CS f/1.4-close
LTC 3361/50
1/3" Varifocal lens 2.8–10 mm, manual-iris, CS f/1.4 - close
LTC 3361/60
1/3" Varifocal lens 3.5–8 mm, manual-iris, CS f/1.4 - close
LTC 3364/21
1/3" Varifocal lens 2.8–6 mm, DC-IRIS, CS f/1.4-200, 4 pin
LTC 3364/31
1/3" Varifocal lens 3.5–8 mm, DC-IRIS, CS f/1.4-200, 4 pin
LTC 3364/40
1/3" Varifocal lens 2.8–12 mm, DC-IRIS, CS f/1.4-360, 4 pin
LTC 3364/50
1/3" Varifocal lens 2.8–10 mm, DC-IRIS, CS f/1.4-360, 4 pin
LTC 3364/60
1/3" Varifocal lens 3.5–8 mm, DC-IRIS, CS f/1.4-360, 4 pin
LTC 3371/20
1/3" Varifocal lens 5 – 50 mm, manual iris, CS f1.4-close
LTC 3371/50
1/3" Varifocal lens 5 – 50 mm, manual iris, CS f1.7-close
LTC 3374/20
1/3" Varifocal lens 5–50 mm, DC-IRIS, CS f/1.4-185, 4 pin
LTC 3374/50
1/3" Varifocal lens 5–50 mm, DC-IRIS, CS f1.7 to 360, 4 pin
LTC 3664/40
1/3" Varifocal lens 2.8–12 mm, DC-IRIS, CS f/1.4-360, 4 pin

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