

LTC 3283, LTC 3293, LTC 3384, LTC 3394 Series Auto Iris Motorized Zoom Lenses

- High Quality Optics
- Reliable, Robust Construction
- 1/3-inch Format with DC Iris Control
- 1/2-inch Format with Video Iris Control
- 6x, 10x, 15x, and 20x Zoom Ranges
- Optional Pre-positioning
- 15x with Manual Override
- Compact Design



These Motorized Zoom Lenses are compact, rugged, 1/3-inch and 1/2-inch image format auto iris lenses. Their high sensitivity and reliability provide optimal performance in all environments.

The 1/3-inch DC iris Series lenses have been designed for more economical uses and are provided with a standard CS mount for use with a wide variety of cameras.

The 1/2-inch Video iris Series are high quality lenses, and are provided with both CS and C mount options.

For the auto iris control, all lenses use the standard 4 pin EIAJ connector which fits directly into the camera's iris output. For zoom, focus, and pre-position control, the lenses are fitted with an 8-pin DIN connector.

Impressive optical quality is a result of combined high standards for resolution, contrast reproduction, and lens coating. The lenses have been designed to match with the complete range of Philips cameras. When used in combination with the new LTC 0500 and LTC 0600 Series, the 1/2-inch Series provide the necessary large F/stop and high quality camera optic features.

Lenses in this series include 6x, 10x, 15x, 16x, and 20x zoom range models. Some models provide optional pre-position and manual iris override functions.

The mechanical construction has been designed to withstand the frequent control operations of the iris, zoom, and focus operations.

For a cost effective lens that provides the high quality and reliability needed to enhance camera images, these lenses are the ideal solution.

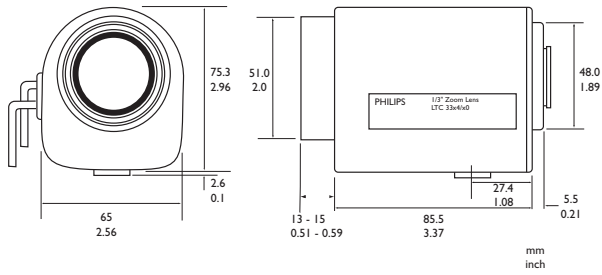
SPECIFICATIONS

1/3-inch Lenses

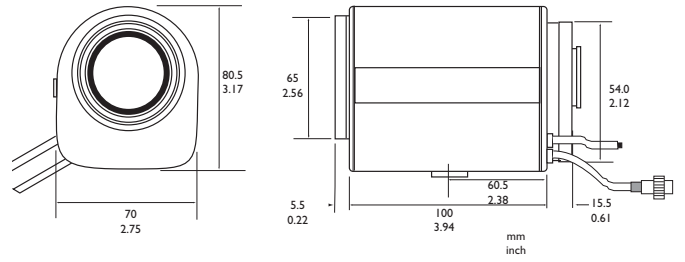
	LTC 3384/20	LTC 3384/50	LTC 3394/20	LTC 3394/50
Image format	1/3-inch	1/3-inch	1/3-inch	1/3-inch
Zoom	10x	10x	16x	16x
Focal length	6-60 mm	6-60 mm	5.5-90 mm	5.5-90 mm
Iris range	F1.4-360	F1.4-360	F1.6-360	F1.6-360
Minimum object distance	1.5 m	1.5 m	1.5 m	1.5 m
Pre-position function	N/A	Yes	N/A	Yes
Dimensions (W x H x L)	65.0 x 75.3 x 102.5 mm 2.56 x 2.96 x 4.03 inch	65.0 x 75.3 x 102.5 mm 2.56 x 2.96 x 4.03 inch	65.0 x 75.3 x 104 mm 2.56 x 2.96 x 4.09 inch	65.0 x 75.3 x 104 mm 2.56 x 2.96 x 4.09 inch
Weight	480 g 1.06 lb	480 g 1.06 lb	490 g 1.08 lb	490 g 1.08 lb
Lens mount	CS			
Temperature range	-10 to +45°C (+14°F to 113°F)			
Iris characteristics:				
Iris control	4-pin DC control			
Response speed	Approx. 2 s			
Zoom characteristics:				
Zoom control	Motor drive			
Motorized speed	Approx. 8 s			
Operating voltage	6-12 VDC			
Operating current	70 mA (max.)			
Focus characteristics:				
Focus control	Motor drive			
Motorized speed	Approx. 8 s			
Operating voltage	6-12 VDC			
Operating current	70 mA (max.)			
Angle of view 1/3-inch (Wide - Tele):				
Horizontal	43.6°-4.6°	43.6°-4.6°	52.4°-3.1°	52.4°-3.1°
Vertical	33.8°-3.5°	33.8°-3.5°	40.7°-2.3°	40.7°-2.3°

1/2-inch Lenses

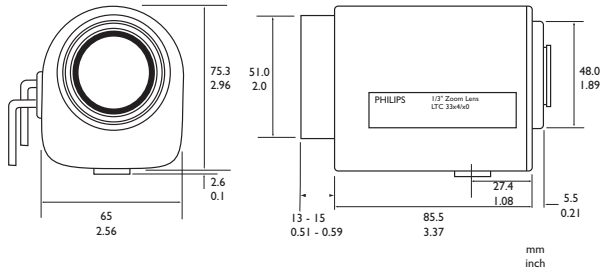
	LTC 3283/20	LTC 3283/40	LTC 3283/50	LTC 3293/20	LTC 3293/30	LTC 3293/40	LTC 3293/50
Image format	1/2-inch	1/2-inch	1/2-inch	1/2-inch	1/2-inch	1/2-inch	1/2-inch
Zoom	6x	10x	10x	15x	15x	20x	20x
Focal length	8-48 mm	7.5-75 mm	7.5-75 mm	8-120 mm	8-120 mm	12-240 mm	12-240 mm
Iris range	F1.4-360	F1.4-360	F1.2-512	F1.6-1000	F1.6-1000	F1.6-720	F1.6-720
Minimum object distance	1.8 m	1.8 m	1.8 m	1.5 m	1.5 m	2.8 m	2.8 m
Pre-position function	N/A	N/A	Yes	N/A	Yes	N/A	Yes
Manual override	N/A	N/A	N/A	N/A	Yes	N/A	N/A
Lens mount	CS	CS	C	C	C	C	C
Dimensions (mm)	58 x 63.5 x 78	67 x 75 x 112	70 x 80.5 x 121.5	78 x 88.5 x 134	78 x 88.5 x 134	116 x 135 x 216	116 x 135 x 216
(W x H x L) (inch)	2.28 x 2.5 x 3.07	2.64 x 2.95 x 4.4	2.75 x 3.17 x 4.78	3.07 x 3.48 x 5.27	3.07 x 3.48 x 5.27	4.57 x 5.31 x 8.5	4.57 x 5.31 x 8.5
Weight	400 g	580 g	740 g	800 g	800 g	2630 g	2630 g
	0.88 lb	1.28 lb	1.63 lb	1.76 lb	1.76 lb	5.79 lb	5.79 lb
Temperature range	-10 to +50°C (+14°F to 122°F)						
Video signal	Composite video 1 Vp-p or video 0.7 Vp-p						
Impedance	10 kΩ						
Iris characteristics:							
Iris control	4-pin video iris						
Operating voltage	8-12 VDC						
Response speed	Approx. 1.5 s						
Operating current	50 mA (max.)						
Input signal	VS or V						
Iris accuracy	+20% at video signal level						
Sensitivity	0.5-1.0 Vp-p at video signal level						
Zoom characteristics:							
Zoom control	Motor drive						
Motorized spd. (app.)	5 sec	5.5 sec	5.5 sec	6 sec	6 sec	10 sec	10 sec
Operating voltage	12 VDC						
Operating current	55 mA (max.)						
Focus characteristics:							
Focus control	Motor drive						
Motorized spd. (app.)	5 sec	6.5 sec	5.5 sec	8 sec	8 sec	10 sec	10 sec
Operating voltage	12 VDC						
Operating current	55 mA (max.)						
Angle of view 1/3-inch camera (Wide - Tele):							
Horizontal	32°42'-5°05'	34°38'-3°46'	34°57'-3°46'	32°56'-2°20'	32°56'-2°20'	23°01'-1°10'	23°01'-1°10'
Vertical	24°40'-4°23'	26°81'-2°50'	26°27'-2°50'	24°49'-1°45'	24°49'-1°45'	17°13'-0°52'	17°13'-0°52'
Angle of view 1/2-inch camera (Wide - Tele):							
Horizontal	42°47'-7°43'	45°11'-4°58'	45°38'-5°00'	43°29'-3°05'	43°29'-3°05'	30°52'-1°33'	30°52'-1°33'
Vertical	32°42'-5°50'	34°38'-3°46'	34°57'-3°46'	32°56'-2°20'	32°56'-2°20'	23°01'-1°10'	23°01'-1°10'



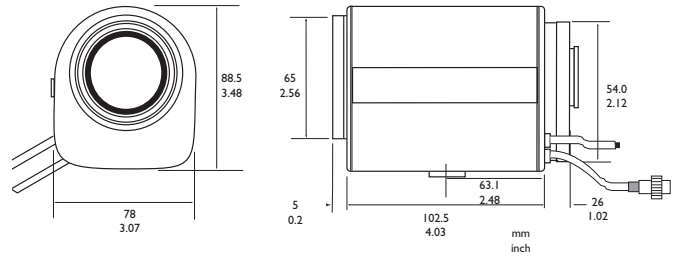
Dimensions LTC 3384/20 & LTC 3384/50



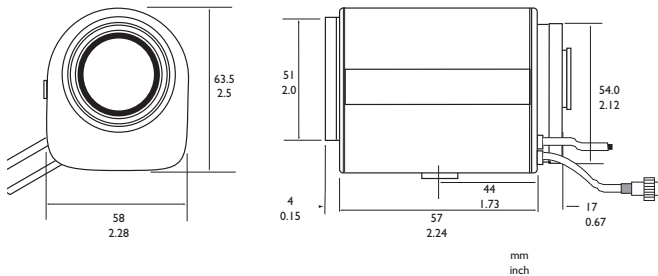
Dimensions LTC 3283/50



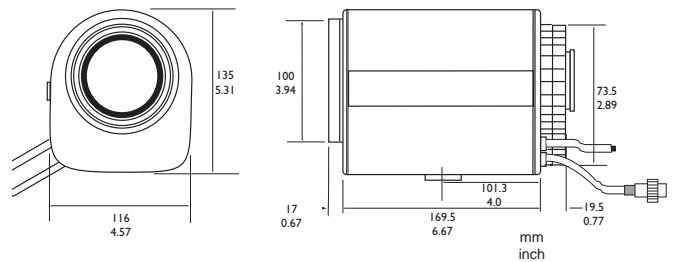
Dimensions LTC 3394/20 & LTC 3394/50



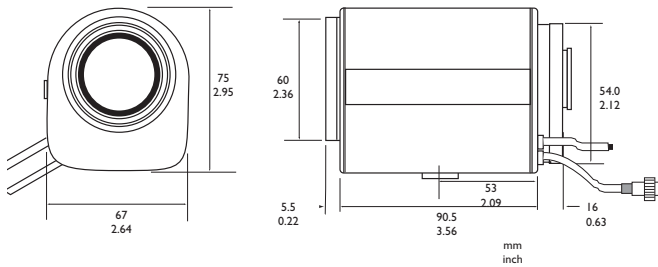
Dimensions LTC 3293/20 & LTC 3293/30



Dimensions LTC 3283/20



Dimensions LTC 3293/40 & LTC 3293/50



Dimensions LTC 3283/40

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