



LTC Series Lensed Cameras



- ▶ **Pre-assembled units with camera, varifocal lens and optional wall bracket included**
- ▶ **Reduces installation time to the absolute minimum**
- ▶ **Range of color, monochrome, and day/night units**
- ▶ **Choice of analog or network cameras**
- ▶ **Varifocal lenses for on-site adjustment of field-of-view**
- ▶ **Bilinx bi-directional communication**

The LTC Series Indoor Camera kits provide the most economical package available for indoor applications. These units reduce the required installation time to the absolute minimum. Only the power supply and video cables need to be connected to obtain superior picture performance in virtually all indoor applications. Package offerings include a camera with a lens and an optional wall bracket.

The Indoor Camera kits are based on the Dinion Series of analog and IP cameras. The Dinion camera range covers standard and high resolution as well as monochrome and color versions. In addition, these camera kits include a pre-assembled varifocal lens which allows the field-of-view to be adjusted on site, allowing optimum area coverage.

Analog camera models are equipped with Bosch's innovative Bilinx bi-directional communication for remote programming. Bilinx uses standard video cable to transmit alarm and status messages, providing superior performance and simplified installation.

The camera kit can be used in a large variety of places such as retail stores, health care facilities, financial institutions, educational environments, and industrial areas, in fact any general indoor use.

Certifications and Approvals

Electro Magnetic Compatibility

Emission	EN55022 class B, FCC part 15 class B, EN6100-3, EN50121-4
Immunity	EN50130-4 (CE), EN50121-4 (CE)
Vibration	Camera with 500 gr (1.1 lbs) lens according to IEC60068-2-6

Safety

LTC0498/11: UL1950-1, CSA 22.2 No. 950-1, EN60950-1 (CE), UL60950, CAN/CSA No. 60950
LTC0498/51: UL1950-1, CSA 22.2 No. 950-1, EN60950-1 (CE), EN61000-3-2 2000 +A2:2005, EN61000-3-3 1995 +A1:2001 +A2:2005
LTC0498/21 and LTC0498/61: UL1950-1, CSA 22.2 No. 950-1, EN60950-1 (CE), UL60950, CAN/CSA No. 60950

Parts Included

Quantity	Components
1	CCTV camera with lens, mounted and adjusted
1	Mounting bracket ("W" models only)

Technical Specifications

For a detailed list of camera technical specifications, refer to the appropriate datasheet for additional information.

Electrical

Model No.	Camera Type	Lens	Description
Monochrome, Standard			
LTC 0335-28	LTC 0335/20	LTC 3364/50	Camera, B/W, 2.8-10 mm lens, 24 V 60 Hz
LTC 0335-28W	LTC 0335/20	LTC 3364/50	Camera, B/W, 2.8-10 mm lens, 24 V 60 Hz, mount
LTC 0335-55	LTC 0335/20	LTC 3374/50	Camera, B/W, 5-50 mm lens, 24 VAC, 60 Hz
LTC 0335-55W	LTC 0335/20	LTC 3374/50	Camera, B/W, 5-50 mm lens, mount TC9210U, 24 VAC, 60 Hz
Monochrome, High Resolution			
LTC 0355-28	LTC 0355/20	LTC 3364/50	Camera, B/W, 2.8-10 mm lens, 24 V 60 Hz
LTC 0355-28W	LTC 0355/20	LTC 3364/50	Camera, B/W, 2.8-10 mm lens, 24 V 60 Hz mount
LTC 0355-55	LTC 0355/20	LTC 3374/50	Camera, B/W, 5-50 mm lens, 24 VAC, 60 Hz
LTC 0355-55W	LTC 0355/20	LTC 3374/50	Camera, B/W, 5-50 mm lens, mount, 24 VAC, 60 Hz
Monochrome, XF			
LTC 0385-28	LTC 0385/20	LTC 3364/50	Camera, B/W, 2.8-10 mm lens, 24 VAC, 60 Hz
LTC 0385-28W	LTC 0385/20	LTC 3364/50	Camera, B/W, 2.8-10 mm lens, mount TC9210US, 24 VAC, 60 Hz
LTC 0385-55	LTC 0385/20	LTC 3374/50	Camera, B/W, 5-50 mm lens, 24 VAC, 60 Hz
LTC 0385-55W	LTC 0385/20	LTC 3374/50	Camera, B/W, 5-50 mm lens, mount, 24 VAC, 60 Hz
Color, Standard			
LTC 0435-28	LTC 0435/20	LTC 3364/50	Camera, color, 2.8-10 mm lens, 24 V 60 Hz
LTC 0435-28W	LTC 0435/20	LTC 3364/50	Camera, color, 2.8-10 mm lens, 24 V 60 Hz, mount

Model No.	Camera Type	Lens	Description
LTC 0435-55	LTC 0435/20	LTC 3374/50	Camera, color, 5-50 mm lens, 24 VAC, 60 Hz
LTC 0435-55W	LTC 0435/20	LTC 3374/50	Camera, color, 5-50 mm lens, mount, 24 VAC, 60 Hz
Color, High Resolution (Night Sense)			
LTC 0455-12	LTC 0455/21	LTC 3361/41	Camera, color, 2.8-12 mm lens, 24 V 60 Hz
LTC 0455-12W	LTC 0455/21	LTC 3361/41	Camera, color, 2.8-12 mm lens, 24 V 60 Hz
LTC 0455-28	LTC 0455/21	LTC 3364/50	Camera, color, 2.8-10 mm lens, 24 V 60 Hz
LTC 0455-28W	LTC 0455/21	LTC 3364/50	Camera, color, 2.8-10 mm lens, 24 V 60 Hz, mount
LTC 0455-55	LTC 0455/21	LTC 3374/50	Camera, color, 5-50 mm lens, 24 VAC, 60 Hz
LTC 0455-55W	LTC 0455/21	LTC 3374/50	Camera, color, 5-50 mm lens, mount, 24 VAC, 60 Hz
Color, XF (Night Sense)			
LTC 0485-28	LTC 0485/21	LTC 3364/50	Camera, color, 2.8-10 mm lens, 24 VAC, 60 Hz
LTC 0485-28W	LTC 0485/21	LTC 3364/50	Camera, color, 2.8-10 mm lens, mount, 24 VAC, 60 Hz
LTC 0485-55	LTC 0485/21	LTC 3374/50	Camera, color, 5-50 mm lens, 24 VAC, 60 Hz
LTC 0485-55W	LTC 0485/21	LTC 3374/50	Camera, color, 5-50 mm lens, mount, 24 VAC, 60 Hz
Day/Night, 2X			
LTC 0498-28	LTC 0498/21	LTC 3664/40	Camera, color, 2.8-11 mm lens, 24 VAC, 60 Hz
LTC 0498-28W	LTC 0498/21	LTC 3664/40	Camera, color, 2.8-11 mm lens, mount, 24 VAC, 60 Hz
LTC 0498-75	LTC 0498/21	LTC 3674/20	Camera, color, 7.5-50 mm lens, 24 VAC, 60 Hz

Model No.	Camera Type	Lens	Description
LTC 0498-75W	LTC 0498/21	LTC 3674/20	Camera, color, 7.5-50 mm lens, mount, 24 VAC, 60 Hz
IP, Color			
NWC-0455-28	NWC-0455-20P	LTC 3364/50	Camera, color, 2.8-11 mm lens, 24 VAC, 60 Hz
NWC-0455-28W	NWC-0455-20P	LTC 3364/50	Camera, color, 2.8-11 mm lens, mount, 24 VAC, 60 Hz
NWC-0455-55	NWC-0455-20P	LTC 3374/50	Camera, color, 5-50 mm lens, 24 VAC, 60 Hz
NWC-0455-55W	NWC-0455-20P	LTC 3374/50	Camera, color, 5-50 mm lens, mount, 24 VAC, 60 Hz
IP, Day/Night			
NWC-0495-28	NWC-0495-20P	LTC 3664/40	Camera, color, 2.8-10 mm lens 24 VAC, 60 Hz
NWC-0495-28W	NWC-0495-20P	LTC 3664/40	Camera, color, 2.8-10 mm lens, mount, 24 VAC, 60 Hz
NWC-0495-75	NWC-0495-20P	LTC 3674/20	Camera, color, 7.5-50 mm lens, 24 VAC, 60 Hz
NWC-0495-75W	NWC-0495-20P	LTC 3674/20	Camera, color, 7.5-50 mm lens, mount, 24 VAC, 60 Hz
Model	Voltage		
LTC 0335 Series, LTC 0355 Series, LTC 0385 Series, LTC 0435 Series, LTC 0455 Series, LTC 0485 Series,	11-39 VDC, 12-28 VAC		
LTC 0498 Series	12 VDC ± 10%, 24 VAC ± 10%		
NWC-0455 Series, NWC-0495 Series	11-36 VDC, 12-28 VAC, and PoE		
Power Consumption			
Most Models	4 W, excluding lens		
LTC 0498 Series	4.2 W (12 VDC), 6 W (24 VAC)		
NWC-0455 Series, NWC-0495 Series	8 W		
Imager	Interline transfer CCD. 1/3-inch image format		

Sensitivity (3200 K)	Scene Illumination (Full Video)	Scene Illumination (50 IRE)
Monochrome, Standard		
LTC 0335-28	0.90 lux (0.08 fc)	0.21 lux (0.02 fc)
LTC 0335-55	1.32 lux (0.12 fc)	0.31 lux (0.03 fc)
Monochrome, High Resolution		
LTC 0355-28	0.64 lux (0.06 fc)	0.16 lux (0.01 fc)
LTC 0355-55	0.95 lux (0.09 fc)	0.24 lux (0.02 fc)
Monochrome, XF		
LTC 0385-28		
Standard Mode	0.36 lux (0.03 fc)	0.06 lux (0.006 fc)
Sens Up	n/a	0.004 lux (0.0004 fc)
LTC 0385-55		
Standard Mode	0.53 lux (0.049 fc)	0.09 lux (0.009 fc)
Sens Up	n/a	0.007 lux (0.001 fc)
Color, Standard		
LTC 0435-28	2.15 lux (0.20 fc)	0.54 lux (0.05 fc)
LTC 0435-55	3.18 lux (0.29 fc)	0.79 lux (0.07 fc)
Color, High Resolution (Night Sense)		
LTC 0455-12		
Standard Mode		
NightSense		
LTC 0455-28		
Standard Mode	3.59 lux (0.33 fc)	0.89 lux (0.08 fc)
NightSense	1.43 lux (0.13 fc)	0.36 lux (0.03 fc)
LTC 0455-55		
Standard Mode	5.30 lux (0.49 fc)	1.32 lux (0.12 fc)
NightSense	2.12 lux (0.197 fc)	0.53 lux (0.049 fc)
Color, XF (Night Sense)		
LTC 0485-28		
Color	3.26 lux (0.30 fc)	0.80 lux (0.07 fc)
NightSense	n/a	0.32 lux (0.03 fc)
Sens Up	0.036 lux (0.003 fc)	n/a
NightSense + Sens Up	n/a	0.018 lux (0.002 fc)
LTC 0485-55		
Color	4.81 lux (0.44 fc)	1.18 lux (0.11 fc)
NightSense	n/a	0.47 lux (0.04 fc)
Sens Up	0.05 lux (0.005 fc)	n/a
NightSense + Sens Up	n/a	0.02 lux (0.002 fc)
Day/Night, 2X		
LTC 0498-28		
Color	3.26 lux (0.303 fc)	0.80 lux (0.074 fc)
Color + Sens UP 10x	0.326 lux (0.0303 fc)	0.08 lux (0.0074 fc)
Monochrome	n/a	0.11 lux (0.0102 fc)

Sensitivity (3200 K)	Scene Illumination (Full Video)	Scene Illumination (50 IRE)
Monochrome + Sens Up 10x	n/a	0.011 lux (0.0010 fc)
LTC 0498-75		
Color	2.82 lux (0.262 fc)	0.69 lux (0.0641 fc)
Color + Sens UP 10x	0.282 (0.0262 fc)	0.069 lux (0.0064 fc)
Monochrome	n/a	0.1 lux (0.0092 fc)
Monochrome + Sens Up 10x	n/a	0.01 lux (0.009 fc)
IP, Color		
NWC-0455-28		
Standard Mode	0.80 lux (0.07 fc)	0.036 lux (0.003 fc)
NightSense	1.079 lux (0.10 fc)	0.005 lux (0.001 fc)
NWC-0455-55		
Standard Mode	1.18 lux (0.11 fc)	0.05 lux (0.005 fc)
NightSense	1.59 lux (0.148 fc)	0.008 lux (0.001 fc)
IP, Day/Night		
NWC-0495-28		
Color	0.80 lux (0.07 fc)	0.036 lux (0.003 fc)
Night Mode	1.079 lux (0.10 fc)	0.005 lux (0.001 fc)
NWC-0495-75		
Color	1.18 lux (0.11 fc)	0.05 lux (0.005 fc)
Night Mode	1.59 lux (0.148 fc)	0.008 lux (0.001 fc)
Horizontal Resolution		
LTC 0335 Series, LTC 0385 Series	380 TVL	
LTC 0355 Series	570 TVL	
LTC 0435 Series	330 TVL	
LTC 0455 Series, LTC 0485 Series, LTC 0498 Series, NWC-0455 Series, NWC-0498 Series	540 TVL	
Output (Analog Models)		
Composite video 1.0 Vpp, 75 Ohm		
Output (Digital Model)		
Video Standards	MPEG-4; M-JPEG	
GOP Structure	I, IP	
Data Rate	9.6 Kbps to 6 Mbps (const. and variable)	
Control (Analog Models)		
Bilinx bi-directional coaxial communication OSD with softkey operation		
Control (Digital Model)		
Web browser or Configuration Manger		

Lenses

	LTC 3364/50	LTC 3374/50	LTC 3664/40	LTC 3674/20
Focal Length	2.8 – 10 mm	5 – 50 mm	2.8 – 11 mm	7.5 – 50 mm
Iris Control Range	F1.4 – 360	F1.7 – 360	F1.4 – 360	F1.3 – 360
Iris Control	DC-iris	DC-iris	DC-iris	DC-iris
IR Corrected	n/a	n/a	✓	✓

Mechanical**Connectors**

Power	Plug
Video	BNC –connector, RJ-45 ethernet (NWC models)

Camera Dimensions (H x W x L)

Most Models	58 x 67 x 122 mm (2.28 x 2.64 x 4.80 in.)
LTC 0498 Series	58 x 66 x 122 mm (2.28 x 2.6 x 4.8 in.)
NWC-0455 Series NWC-0495 Series	58 x 67 x 123 mm (2.28 x 2.64 x 4.84 in.)
Weight	0.45 kg (0.99 lb) approx.
Mounting Bracket	TC9210U or TC9210US

Environmental**Temperature Range****Operating Temperature**

LTC 0335 Series LTC 0355 Series LTC 0385 Series LTC 0435 Series LTC 0455 Series	-20°C to 50°C (-4°F to 122°F)
LTC 0498 Series	-20°C to 55°C (-4°F to 131°F)
NWC-0455 Series NWC-0495 Series	-0°C to 40°C (-32°F to 104°F)

Storage Temperature

LTC 0335 Series LTC 0355 Series LTC 0385 Series LTC 0435 Series LTC 0455 Series	-25°C to 70°C (-13°F to 158°F)
LTC 0498 Series	-40°C to 70°C (-40°F to 158°F)
NWC-0455 Series NWC-0495 Series	-25°C to 70°C (-13°F to 158°F)

Humidity

LTC 0335 Series LTC 0355 Series LTC 0435 Series LTC 0455 Series	5-93% Relative (non-condensing)
LTC 0498 Series	20-93% Relative (non-condensing)
LTC 0385 Series	Up to 98% (non-condensing)
NWC-0455 Series NWC-0495 Series	20-80% Relative (non-condensing)

Delivery

The standard delivery includes: CCTV camera with lens. Mounting bracket included on "W" models.

Ordering Information

LTC 0335-28 Camera, B/W, 2.8-10 mm lens, 24 V 60 Hz	LTC 0335-28
LTC 0335-28W Camera, B/W, 2.8-10 mm lens, 24 V 60 Hz, mount	LTC 0335-28W
LTC 0335-55 Camera, B/W, 5-50 mm lens, 24 VAC, 60 Hz	LTC 0335-55
LTC 0335-55W Camera, B/W, 5-50 mm lens, mount, 24 VAC, 60 Hz	LTC 0335-55W
LTC 0355-28 Camera, B/W, 2.8-10 mm lens, 24 V 60 Hz	LTC 0355-28
LTC 0355-28W Camera, B/W, 2.8-10 mm lens, 24 V 60 Hz mount	LTC 0355-28W
LTC 0355-55 Camera, B/W, 5-50 mm lens, 24 VAC, 60 Hz	LTC 0355-55
LTC 0355-55W Camera, B/W, 5-50 mm lens, mount, 24 VAC, 60 Hz	LTC 0355-55W
LTC 0385-28 Camera, B/W, 2.8-10 mm lens, 24 VAC, 60 Hz	LTC 0385-28
LTC 0385-28W Camera, B/W, 2.8-10 mm lens, mount, 24 VAC, 60 Hz	LTC 0385-28W
LTC 0385-55 Camera, B/W, 5-50 mm lens, 24 VAC, 60 Hz	LTC 0385-55
LTC 0385-55W Camera, B/W, 5-50 mm lens, mount, 24 VAC, 60 Hz	LTC 0385-55W
LTC 0435-28 Camera, color, 2.8-10 mm lens, 24 V 60 Hz	LTC 0435-28
LTC 0435-28W Camera, color, 2.8-10 mm lens, 24 V 60 Hz, mount	LTC 0435-28W
LTC 0435-55 Camera, color, 5-50 mm lens, 24 VAC, 60 Hz	LTC 0435-55

Ordering Information

LTC 0435-55W Camera, color, 5-50 mm lens, mount, 24 VAC, 60 Hz	LTC 0435-55W
LTC 0455-28 Camera, color, 2.8-10 mm lens, 24 V 60 Hz	LTC 0455-28
LTC 0455-28W Camera, color, 2.8-10 mm lens, 24 V 60 Hz, mount	LTC 0455-28W
LTC 0455-55 Camera, color, 5-50 mm lens, 24 VAC, 60 Hz	LTC 0455-55
LTC 0455-55W Camera, color, 5-50 mm lens, mount, 24 VAC, 60 Hz	LTC 0455-55W
LTC 0485-28 Camera, color, 2.8-10 mm lens, 24 VAC, 60 Hz	LTC 0485-28
LTC 0485-28W Camera, color, 2.8-10 mm lens, mount, 24 VAC, 60 Hz	LTC 0485-28W
LTC 0485-55 Camera, color, 5-50 mm lens, 24 VAC, 60 Hz	LTC 0485-55
LTC 0485-55W Camera, color, 5-50 mm lens, mount, 24 VAC, 60 Hz	LTC 0485-55W
LTC 0495-28 Camera, color, 2.8-11 mm lens, 24 VAC, 60 Hz	LTC 0495-28
LTC 0495-28W Camera, color, 2.8-11 mm lens, mount, 24 VAC, 60 Hz	LTC 0495-28W
LTC 0495-75 Camera, color, 7.5-50 mm lens, 24 VAC, 60 Hz	LTC 0495-75
LTC 0495-75W Camera, color, 7.5-50 mm lens, mount, 24 VAC, 60 Hz	LTC 0495-75W
LTC 0498-28 Day/night camera, 2.8-11 mm lens, 24 VAC, 60 Hz	LTC 0498-28
LTC 0498-28W Day/night camera, 2.8-11 mm lens, 24 VAC, 60 Hz, with mount	LTC 0498-28W
LTC 0498-75 Day/night camera, 7.5-50 mm lens, 24 VAC, 60 Hz	LTC 0498-75
LTC 0498-75W Day/night camera, 7.5-50 mm lens, 24 VAC, 60 Hz, with mount	LTC 0498-75W
NWC-0455-28 Camera, color, 2.8-11 mm lens, 24 VAC, 60 Hz	NWC-0455-28
NWC-0455-28W Camera, color, 2.8-11 mm lens, mount, 24 VAC, 60 Hz	NWC-0455-28W

Ordering Information

NWC-0455-55 Camera, color, 5-50 mm lens, 24 VAC, 60 Hz	NWC-0455-55
NWC-0455-55W Camera, color, 5-50 mm lens, mount, 24 VAC, 60 Hz	NWC-0455-55W
NWC-0495-28 Camera, color, 2.8-10 mm lens 24 VAC, 60 Hz	NWC-0495-28
NWC-0495-28W Camera, color, 2.8-10 mm lens, mount, 24 VAC, 60 Hz	NWC-0495-28W
NWC-0495-75 Camera, color, 7.5-50 mm lens, 24 VAC, 60 Hz	NWC-0495-75
NWC-0495-75W Camera, color, 7.5-50 mm lens, mount, 24 VAC, 60 Hz	NWC-0495-75W
EX12LED8M LED Infrared Illuminator Infrared w/ 42 LEDs, 850 nm, Med Beam 30°, 12/24 VRB, 0.5 amp, Photocell	EX12LED8M
EX12LED9M LED Infrared Illuminator Infrared w/ 42 LEDs, 940 nm, Med Beam 30°, 12/24 VRB, 0.5 amp, Photocell	EX12LED9M
EX12LED8W LED Infrared Illuminator Infrared w/ 42 LEDs, 850 nm, Wide Beam 60°, 12/24 VRB, 0.5 amp, Photocell	EX12LED8W
EX12LED9W LED Infrared Illuminator Infrared w/ 42 LEDs, 940 nm, Wide Beam 60°, 12/24 VRB, 0.5 amp, Photocell	EX12LED9W
UPA-2410-60 Power Supply 120 VAC, 60 Hz, 24 VAC, 10 VA Out	UPA-2410-60
UPA-1220-60 Power Supply 120 VAC, 60 Hz, 12 VDC, 1 A Out, regulated	UPA-1220-60
Accessories	
TC8235GIT Ground Loop Isolation Transformer	TC8235GIT
Software Options	
VP-CFGSFT Configuration Software for cameras using Bilinx, includes VP-USB Adaptor	VP-CFGSFT

Americas:
Bosch Security Systems, Inc.
130 Perinton Parkway
Fairport, New York, 14450, USA
Phone: +1 800 289 0096
Fax: +1 585 223 9180
security.sales@us.bosch.com
www.boschsecurity.us

Europe, Middle East, Africa:
Bosch Security Systems B.V.
P.O. Box 80002
5600 JB Eindhoven, The Netherlands
Phone: +31 40 2577 284
Fax: +31 40 2577 330
emea.securitysystems@bosch.com
www.boschsecurity.com

Asia-Pacific:
Robert Bosch (SEA) Pte Ltd, Security Systems
11 Bishan Street 21
Singapore 573943
Phone: +65 6258 5511
Fax: +65 6571 2698
apr.securitysystems@bosch.com
www.boschsecurity.com