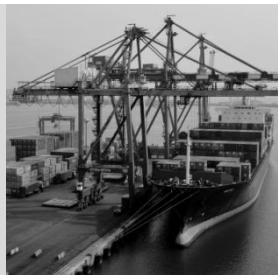


# 2023

## Product Selector



# Content

## Company profile

Content	1
Company intro	1
Our solutions	2


## Products

Camera Modules	3
Mast	3
Box camera enclosures	4
Special box camera enclosures	5
Stainless steel and explosion proof box camera enclosures	7
Stainless steel and explosion proof dome camera enclosures	8
Camera module enclosures	9
Pan and tilt system	10
Stainless steel and explosion proof pan and tilt system	12

## Products

Pan and tilt motors	13
Illuminators	14
Pendant brackets	16
Pole brackets	17
Wall brackets	17
Control panels	18
Accessories	18

# Company intro



**LonTrend**

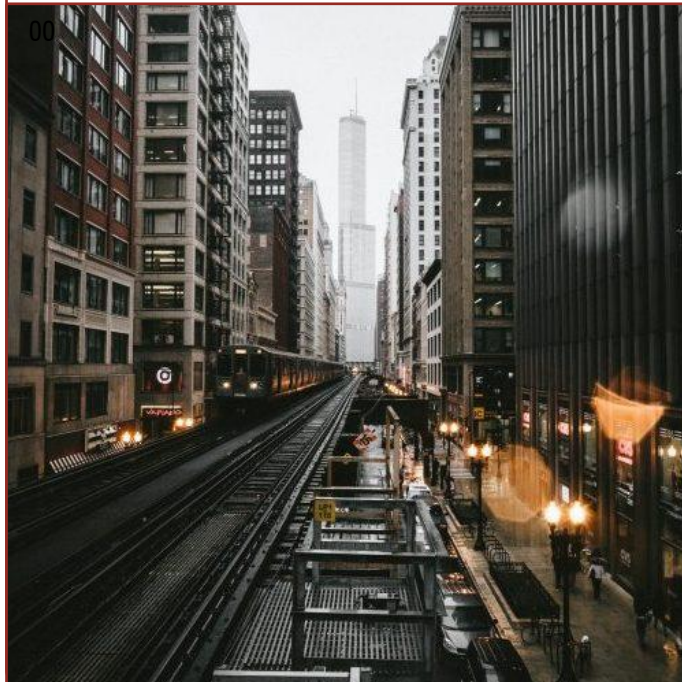
LonTrend is a new brand officially registered in 2012 focused exclusively on the design and manufacturing of camera housings, pan tilt units and IR illuminators, however our precision and die-cast business has started since 1985. With strong research and development background and capability, LonTrend aims to comprehensively meet your security needs in the simplest manner possible.

# Our solutions

## For city and traffic surveillance

IR illuminator plays a key role in securing citizens' safety at night, and secures continuous 24/7 the city and remote sites to prevent accidents during the night.

From tunnel to airport project, we have solutions! In certain situations, IR in bullet/dome camera is not strong enough for some special projects, like ANPR, city surveillance, airport projects. LonTrend provides a series of IR solutions: built-in IR, IR integrated with housing, independent external IR to solve your problem.



## For harsh environment project

Explosion proof housing plays a key role in protecting cameras from corrosive and explosive applications.

From marine to oil and gas projects, we have solutions!

LonTrend provides normal stainless steel housing to explosion proof housing (ATEX/CNEX) with the flexibility to add a variety of accessories (ex: 60 W HiPoE, IR up to 540 m, pan and tilt unit) and customization service. We support all kinds of project requirement for you.



## LonTrend supports special project

In CCTV industry, pan tilt unit has been widely used to secure wider and larger outdoor space because of its extraordinary pan tilt flexibility comparing with traditional PTZ camera.

In fact, as long as you need to control the horizontal/vertical movement of your equipment, pan tilt unit could give you a hand. From our project supporting experience, pan tilt unit has been used to support solar panel, antenna or bird control projects in order to increase the efficiency of the system.

LonTrend pan tilt unit with max loading capacity up to 80 kg, customizable pan tilt range and speed, we have confidence to be your best project supporter.





# Cameras Modules



	LTCN04	LTCN05	LTCN09	LTCN10
Type	Network camera module	Network camera module	Network camera module	Network camera module
Image Sensor	1/2.8-inch Exmor CMOS sensor	1/3-inch progressive scan CMOS	1/1.9-inch Sony Exmor CMOS	1/2-inch CMOS
Lens	f = 4.7 mm to 94.0 mm (20X), f/1.6 to f/3.5	f = 4.3 mm to 129 mm (30X), f/1.6 to f/5.0	f = 6 mm to 216 mm (36X), f/1.5 to f/4.8, auto focus, auto iris	f = 6.3 mm to 278 mm (44X), f/1.4 to f/5.0, auto focus, auto iris
Digital Zoom	12 X	12 X	16 X	16 X
View of Angle	55.4° (wide) to 2.9° (tele) (1080i mode), 37.6° (wide) to 2.0° (tele) (720p mode)	55.4° (wide) to 2.9° (tele) (1080i mode), 37.6° (wide) to 2.0° (tele) (720p mode)	8.5° (wide) to 2.1° (tele)	61.6° (wide) to 1.9° (tele)
Effective Pixels	1,920 x 1,080, 1,280 x 720	1,920 x 1,080, 1280 x 720	1,920 x 1,080	1,920 x 1,080
Minimum Illumination	Color: 1.7 lux Day and Night: 0.08 lux	Color: 0.05 lux Day and Night: 0.01 lux	Color: 0.048 lux Day and Night: 0.001 lux)	Color: 0.07 lux Day and Night: 0.0025 lux
Input Power	12 V DC	12 V DC	12 V DC	12 V DC
Power Consumption	3.2 W	2.5 W	5 W	13.6 W
Dimensions (W x H x L)	50 x 60 x 87.9 (mm)	50 x 60 x 92.9 (mm)	56 x 67 x 124 (mm)	73 x 77 x 174 (mm)
Weight	260 g	266 g	356 g	724 g

\*\* Contact LonTrend Sales for different resolution options

# Mast



# Box camera enclosures



	LTEV01	LTEV02	LTEV07	LTEG05	LTEV11	LTEG15
Protection rating	IP68	IP66	IP67	IP66	IP68	IP66
Vandal proof	Yes	Yes	Yes	-	Yes	-
Material	Die-casting Aluminum	Polycarbonate	Die-casting Aluminum	Extruded Aluminum	Die-casting Aluminum	Extruded Aluminum
Cable management bracket	Yes	Yes	-	-	Yes	-
Sunshield	Yes	Yes	-	Yes	-	-
Type	Side opening	Side opening	Side opening	Top opening	Side opening	Side opening
Input power	12V DC/24V AC/220 V AC/PoE (optional)	12V DC/24V AC/220 V AC/PoE (optional)	12V DC/24V AC/220 V AC/PoE (optional)	12V DC/24V AC/220 V AC/PoE (optional)	12V DC/24V AC/220 V AC/PoE (optional)	12V DC/24V AC/220 V AC/PoE (optional)
Heater/Blower	Optional	Optional	Optional	Optional	Optional	Optional
Wiper	Optional	-	Optional	Optional	-	-
Built-in illumination	30 m (LTEV01-R30), 50 m (LTEV01-R50), 80 m (LTEV01-R80)	30 m (LTEV02-R30)	50 m (LTEV07-R50), 80 m (LTEV07-R80), 90 m (LTEV07-R90), 120 m (LTEV07-R120), 160 m (LTEV07-R160)	Optional with LTIA series	-	30 m (LTEG15-R30), 50 m (LTEG15-R50)
Internal usable size (W x H x L)	100 x 80 x 335 (mm)	95 x 80 x 250 (mm)	120 x 90 x 330 (mm)	90 x 72.5 x 250 (mm) (LTEG05), 90 x 72.5 x 330 (mm) (LTEG05M), 108 x 90 x 350 (mm) (LTEG05L), 200 x 120 x 560 (mm) (LTEG05X), 200 x 120 x 710 (mm) (LTEG05XL)	110 x 90 x 320 (mm)	95 x 70 x 260 (mm)
Weight	3.6 kg, 4.3 kg (wall mount bracket included)	1.9 kg, 2.58 kg (wall mount bracket included)	4 kg, 4.6 kg (wall mount bracket included)	Refer to datasheet	3.1 kg, 3.8 kg (wall mount bracket included)	2.6 kg (wall mount bracket included)

# Special box camera enclosures



	LTEG04	LTEG07	LTEV14	LTEV15	LTEX03	LTES18
Protection rating	IP66	IP66	IP67	IP66	IP66	IP66
Explosion proof certification	-	-	-	-	CNEX Ex d IIC T6 Gb	-
Vandal proof	-	-	Yes	Yes	Yes	-
Material	Extruded Aluminum	Extruded Aluminum	Steel/ Polycarbonate	Extruded Aluminum	AISI 304/316L stainless steel (optional)	AISI 202stainless steel
Cable management bracket	-	-	-	Yes	-	-
Sunshield	Yes	Yes	Yes	Yes	-	-
Type	Top opening, dual screen	Top opening, dual screen	Side opening, for thermal or optical camera	Side opening, for line scan camera	Back opening, water cooling anti heat up to 200 degrees	Top opening
Input power	12V DC/24V AC/220 V AC/PoE (optional)	12V DC/24V AC/220 V AC/PoE (optional)	12V DC/24V AC/220 V AC/110 V AC (optional)	12V DC/24V AC/220 V AC (optional)	-	-
Heater/Blower	Optional	Optional	Optional	Optional	Optional	-
Wiper	Optional	Optional	Optional	-	-	-
Built-in illumination	60 m (LTEG04-R60), 120 m (LTEG04-R120), 30 m white (LTEG04-W30)	-	-	-	-	-
Internal usable size (W x H x L)	70 x 75 x 200 (mm)	108 x 130 x 350 (mm)	100 x 70 x 380 (mm)	160 x 136 x 357 (mm)	100 x 280 (Ø x L) (mm)	180 x 150 x 380 (mm)
Weight	3 kg	6.5 kg	3.6 kg	4 kg	9.1 kg, 12.9 kg (wall mount bracket included)	5.5 kg

## Special box camera enclosures



LTEV14ST (G)

LTES19

LTEG16

Protection rating	IP66	IP66	IP67
Explosion proof certification	-	-	-
Vandal proof	Yes	Yes	Yes
Material	Die-casting Aluminum	Aluminum	Steel/ Polycarbonate
Cable management bracket	Optional	Yes	-
Sunshield	Yes	Yes	-
Type	Side opening, for thermal or optical camera	Side opening, for extreme low temperature	In-ceiling camera housing
Input power	12V DC/24V AC/220 V AC/PoE (optional)	90 V AC to 230 V	-
Heater/Blower	Optional	Optional	-
Wiper	-	-	-
Built-in illumination	-	120 m	-
Internal usable size (W x H x L)	100 x 70 x 380 (mm)	112 x 112 x 260 (mm)	250 x 140 (Ø x H) (mm)
Weight	3.6 kg	8 kg	5 kg

# Stainless steel and explosion proof box camera enclosures



	LTES06	LTES07	LTEX02	LTEX17	LTEX17-R60	TSAX1730
Protection rating	IP68	IP68	IP68	IP68	IP68	IP68
Explosion proof certification	-	-	CNEX Ex d IIC T6 Gb	CNEX Ex d IIC T6 Gb	CNEX Ex d IIC T6 Gb	ATEX Ex d IIC T6 Gb
Vandal proof	Yes	Yes	Yes	Yes	Yes	Yes
Material	AISI 304/316L stainless steel (optional)	AISI 304/316L stainless steel (optional)	AISI 304/316L stainless steel (optional)	AISI 304/316L stainless steel (optional)	AISI 304/316L stainless steel (optional)	AISI 304/316L stainless steel (optional)
Sunshield	Optional	Yes	Yes	Yes	Optional	Optional
Type	Back opening	Back opening	Back opening	Back opening	Back opening	Back opening
Input power	12V DC/24V AC/220 V AC/PoE (optional)	12V DC/24V AC/220 V AC/PoE (optional)	12V DC/24V AC/220 V AC/PoE (optional)	12V DC/24V AC/220 V AC/PoE (optional)	12V DC/24V AC/220 V AC/PoE (optional)	12V DC/24V AC/220 V AC/PoE (optional)
Heater/Blower	Optional	Optional	Optional	Optional	Optional	Optional
Wiper	-	LTES07-W	Yes	LTEX17-W	LTEX17-W-R60	TSAX1730-W
Built-in illumination	30 m (LTES06-R30)	30 m (LTES07-R30), 60 m (LTES07-R60), 100 m (LTES07-R100)	-	30 m (LTEX17-R30), 60 m (LTEX17-R60), 100 m (LTEX17-R100)	External with LTIX series	External with LTIX series
Internal usable size (W x H x L)	86 x 55 x 270 (mm)	106 x 76 x 344 (mm)	80 x 160 (Ø x L) (mm)	106 x 76 x 344 (mm)	106 x 76 x 344 (mm)	105 x 330 (Ø x L) (mm)
Weight	8.4 kg, 10.3 kg (wall mount bracket included)	12 kg, 13.9 kg (wall mount bracket included)	11.5 kg	12 kg, 13.9 kg (wall mount bracket included)	20 kg, 21.9 kg (wall mount bracket included)	8 kg, 10.5 kg (wall mount bracket included)



# Stainless steel and explosion proof dome camera enclosures



LTES10



LTEX07



LTEX09



LTEX13



TSAX0940

	LTES10	LTEX07	LTEX09	LTEX13	TSAX0940
Protection rating	IP68	IP66	IP68	IP68	IP68
Explosion proof certification	-	CNEX Ex d IIC T6 Gb	CNEX Ex d IIC T6 Gb	CNEX Ex d IIC T6 Gb	ATEX Ex d IIC T6 Gb
Vandal proof	Yes	Yes	Yes	Yes	Yes
Material	AISI 304/316L stainless steel (optional)	AISI 304/316L stainless steel (optional)	AISI 304/316L stainless steel (optional)	AISI 304/316L stainless steel (optional)	AISI 304/316L stainless steel (optional)
Input power	Optional	Optional	Optional	Optional	Optional
Heater/Blower	Optional	Optional	Optional	Optional	Optional
Mounting type	Ceiling	In-ceiling	Wall/pendant	Ceiling	Wall/pendant
Internal usable size (Ø x H)	145 x 108 (mm)	110 x 58 (mm)	176 x 195 (mm)	113 x 91 (mm) (LTEX13), 170 x 181 (mm) (LTEX13M)	176 x 195 (mm)
Weight	6.5 kg	4 kg	11 kg	6 kg (LTEX13), 7.5 kg (LTEX13M)	26 kg

# Camera module enclosures



LTEG18

LTEV16

LTEG09

LTEG23

LTEV17

LTEV21

	LTEG18	LTEV16	LTEG09	LTEG23	LTEV17	LTEV21
Protection rating	IP66	IP66	IP66	IP66	IP66	IP66
Vandal proof	Yes	Yes	Yes	Yes	Yes	Yes
Material	Die-cast aluminum	Die-cast aluminum	Die-cast aluminum	Die-cast aluminum	Die-cast aluminum	Die-cast aluminum
Finish	White polyester powder coat	White polyester powder coat	Beige polyester powder coat	White polyester powder coat	White polyester powder coat	White polyester powder coat
Window Viewing Area (Ø)	30 mm	30 mm	-	100 mm	30 mm (LTEV17), 17 mm (LTEV17S)	30 mm
Internal usable size (Ø x H)	123 x 96 (mm)	101 x 95 (mm)	123 x 96 (mm)	57 x 48 x 155 (W x H x L) (mm) (LTEG23), 40 x 34 x 97 (W x H x L) (mm) (LTEG23S)	108 x 90 (mm) (LTEV17), 96 x 75 (mm) (LTEV17S)	106 x 94 (mm)
Bubble (Ø)	99.9 mm	102 mm	100 mm	62 mm (LTEG23), 40 mm (LTEG23S)	91 mm (LTEV17), 79 mm (LTEV17S)	102 mm
Weight	0.6 kg	0.52 kg	0.6 kg	0.98 kg (LTEG23), 0.4 kg (LTEG23S)	0.44 kg (LTEV17), 0.355 kg (LTEV17S)	0.73 kg

# Pan and tilt system



LTSU01

LTSU02

LTSU03

LTSU05

LTSU06

LTSU09

	LTSU01	LTSU02	LTSU03	LTSU05	LTSU06	LTSU09
Protection rating	IP66	IP66	IP66	IP67	IP67	IP66
Explosion proof certification	-	-	-	-	-	-
Material	High-strength aluminum	High-strength aluminum	High-strength aluminum	High-strength aluminum	High-strength aluminum	High-strength aluminum
Pan speed	0° to 120° per second adjustable	0.4° to 15° per second adjustable	0.4° to 80° per second adjustable	0.1° to 100° per second adjustable	0.1° to 100° per second adjustable	0° to 60° per second adjustable
Pan range	0° to 360° continuous	0° to 360° continuous	0° to 360° continuous	0° to 360° continuous	0° to 360° continuous	0° to 360° continuous
Tilt speed	0° to 120° per second adjustable	0.4° to 15° per second adjustable	0.4° to 60° per second adjustable	0.1° to 100° per second adjustable	0.1° to 100° per second adjustable	0° to 40° per second adjustable
Tilt range	-90° to 90°	-10° to 60°	-90° to 90°	-90° to 40°	-90° to 40°	-90° to 90°
Sunshield	Yes	Yes	Yes	-	-	-
Type	Back opening	Top opening	Back opening	Back opening	Back opening	Back opening
Input power	12 V DC	24 V DC	12V DC/24V AC (optional)	220 V AC	220 V AC	10.8 V DC - 18 V DC
Heater/Blower	Optional	Optional	Optional	Optional	Optional	Optional
Wiper	Yes	Optional	Yes	Yes	Yes	Yes
Built-in illumination	50 m/100 m (optional)	60 m/120 m (optional)	Customized	-	-	500 m
Power Consumption	50 W	40 W	50 W	60 W	60 W	80 W
Internal usable size (W x H x L)	83 x 83 x 165 (mm)	70 x 75 x 200 (mm)	83 x 83 x 165 (mm)	105 x 85 x 340 (mm)	74 x 90 x 160 (mm), single side	-
Weight	9.5 kg	9 kg	9.5 kg	25 kg	25 kg	13.5 kg

# Pan and tilt system



LTSU01-W

LTSU07

LTSU08

LTPD02

LTPM11

	LTSU01-W	LTSU07	LTSU08	LTPD02	LTPM11
Protection rating	IP66	IP66	IP66	IP66	IP66
Explosion proof certification	-	-	-	-	-
Material	High-strength aluminum	High-strength aluminum	High-strength aluminum	Die-cast aluminum	High-strength aluminum
Pan speed	0° to 120° per second adjustable	0.1° to 60° per second adjustable	0.1° to 30° per second adjustable	0.01° to 220° per second adjustable	0.1° to 100° per second adjustable
Pan range	0° to 360° continuous	0° to 360° continuous	0° to 360° continuous	0° to 360° continuous	0° to 360° continuous
Tilt speed	0° to 120° per second adjustable	0.1° to 30° per second adjustable	0.1° to 15° per second adjustable	0.01° to 120° per second adjustable	0.1° to 100° per second adjustable
Tilt range	-90° to 90°	-75° to 40°	-45° to 45°	-5° to 92°	-90° to 40°
Sunshield	Yes	Yes	Yes	-	-
Type	Back opening	Top opening	Top opening	-	-
Input power	12 V DC	24 V DC/24V AC	24 V DC/24V AC	12 V DC	24 V DC/24V AC
Heater/Blower	Optional	Optional	Optional	Optional	Optional
Wiper	Yes	Optional	Optional	-	-
Built-in illumination	50 m/100 m (optional)	Customized	Customized	150 m to 200 m	-
Power Consumption	50 W	85 W	85 W	-	60 W (heater: 25 W)
Internal usable size (W x H x L)	83 x 83 x 165 (mm)	140 x 125 x 400 (mm)	250 x 200 x 800 (mm)	55 x 60 x 120 (mm)	-
Weight	8.5 kg	25.5 kg	38 kg	6 kg	10 kg

# Stainless steel and explosion proof pan and tilt system



	LTSX01	LTSX02	LTSX03	LTSX04	TSAX1930	TSAX1310
Protection rating	IP66	IP66	IP66	IP66	IP68	IP68
Explosion proof certification	CNEX Ex d IIC T6 Gb	CNEX Ex d IIC T6 Gb	CNEX Ex d IIC T6 Gb	CNEX Ex d IIC T6 Gb	ATEX Ex d IIC T6 Gb	ATEX Ex d IIC T6 Gb
Material	AISI 304/316L stainless steel (optional)	AISI 304/316L stainless steel (optional)	AISI 304/316L stainless steel (optional)	AISI 304/316L stainless steel (optional)	AISI 304/316L stainless steel (optional)	AISI 304/316L stainless steel (optional)
Pan speed	10° per second	10° per second	6° to 20° per second (fixed speed adjustable)	1° to 25° per second (fixed speed adjustable)	0.1° to 40° per second (fixed speed adjustable)	0.1° to 40° per second (fixed speed adjustable)
Pan range	0° to 350°	0° to 350°	0° to 360°	0° to 360°	0° to 360°	0° to 360°
Tilt speed	6° per second	6° per second	0.1° to 40° per second (fixed speed adjustable)	1° to 25° per second (fixed speed adjustable)	0.1° to 40° per second (fixed speed adjustable)	0.1° to 40° per second (fixed speed adjustable)
Tilt range	-60° to 60°	-60° to 60°	-90° to 90°	-90° to 90°	-90° to 90°	-90° to 90°
Sunshield	-	Yes	Yes	Yes	Yes	Yes
Type	Back opening	Back opening	Back opening	Back opening	Back opening	Back opening
Input power	24V AC/220 V AC (optional)	12V DC/220 V AC (optional)	220 V AC (optional)	220 V AC (optional)	24 V AC/110 V AC to 260 V AC (optional)	24 V AC/110 V AC to 260 V AC (optional)
Heater/Blower	Optional	Optional	Optional	Optional	Optional	Optional
Wiper	Optional	Optional	Yes	Yes	Yes	Yes
Built-in illumination	Customized	Customized	Customized	Customized	-	Customized
Power Consumption	100 W	100 W	90 W	100 W	90 W	100 W
Internal usable size (Ø x L)	108 x 250 (mm)	132 x 350 (mm)	132 x 260 (mm)	132 x 260 (mm) (dual housing)	78 x 210 (mm)	78 x 210 (mm) (camera enclosure), 100 x 210 (mm) (IR enclosure)
Weight	28.5 kg	20 kg	26 kg	33 kg	19 kg	26 kg



## Pan and tilt motors



LTPM06U

LTPM03

LTPM04

LTPM05

LTPM06

LTPM10

	LTPM06U	LTPM03	LTPM04	LTPM05	LTPM06	LTPM10
Protection rating	IP66	IP66	IP66	IP66	IP66	IP66
Explosion proof certification	-	-	-	-	-	CNEX Ex d IIC T6 Gb
Material	High-strength aluminum	High-strength aluminum	High-strength aluminum	High-strength aluminum	High-strength aluminum	AISI 304/316L stainless steel (optional)
Maximum load	25 kg	9 kg	15 kg	15 kg	50 kg	80 kg
Pan speed	0.01° to 60° per second	0.4° to 10° per second	0.4° to 10° per second	0.01° to 60° per second	0.01° to 30° per second	0.01° to 30° per second
Pan range	0° to 360° continuous	0° to 360° continuous	0° to 360° continuous	0° to 360° continuous	0° to 360° continuous	0° to 360° continuous
Tilt speed	0.01° to 30° per second	0.4° to 2.5° per second	0.4° to 2.5° per second	0.01° to 30° per second	0.01° to 15° per second	0.01° to 15° per second
Tilt range	-45° to 45° (load 50 kg) (default), -60° to 60° (load 40 kg), -80° to 80° (load 26 kg), -90° to 90° (double load)	-60° to 10°	-60° to 10°	-90° to 40°	-45° to 45° (load 50 kg) (default), -60° to 60° (load 40 kg), -80° to 80° (load 26 kg), -90° to 90° (double load)	-75° to 45°
Preset	80	226	226	80	80	128
Protocol	Pelco-D/Pelco-P	Pelco-D/Pelco-P	Pelco-D/Pelco-P	Pelco-D/Pelco-P	Pelco-D/Pelco-P	Pelco-D/Pelco-P
Input voltage	24 V AC/24 V DC	24 V DC	24 V DC	24 V AC	24 V AC/24 V DC	24 V DC/48 V DC (optional)
Power Consumption	120 W	30 W	40 W	80 W (heater off), 95 W (heater on)	85 W	70 W
Weight	32 kg	7 kg	9.3 kg	15 kg	27 kg	27.5 kg

\*\* Contact LonTrend Sales for heavier loading capacity options

# Illuminators



	LTIA03	LTIA04	LTIA10	LTIL01	LTIL03	LTIX03
Protection rating	IP66	IP66	IP68, IK10	IP65	IP65	IP68
Explosion proof certification	-	-	-	-	-	CNEX Ex d IIC T6 Gb
Material	Die-cast aluminum	Die-cast aluminum	Die-cast aluminum	-	-	AISI 304/316L stainless steel (optional)
Illumination distance	65 m (LTIA03-R65), 80 m (LTIA03-R80), 95 m (LTIA03-R95), 120 m (LTIA03-R120), 200 m (LTIA03-R200), 270 m (LTIA03-R270)	30 m (LTIA04-R30, LTIA04-W30), 40 m (LTIA04-R40), 50 m (LTIA04-R50), 70 m (LTIA04-R70, LTIA04-W70), 100 m (LTIA04-R100), 110 m (LTIA04-W110), 150 m (LTIA04-R150), 180 m (LTIA04-W180)	50 m to 90 auto- adjustable (LTIA10-R90), 140 m to 350 m auto- adjustable (LTIA10-R350)	300 m (LTIL01-R300), 500 m (LTIL01-R500, LTIL01-R500-940, LTIL01- R500-980)	1,000 m	30 m (LTIX03-R30), 60 m (LTIX03-R60), 100 m (LTIX03-R100)
Beam angle	120° (LTIA03-R65), 90° (LTIA03-R80), 60° (LTIA03-R95), 45° (LTIA03-R120), 30° (LTIA03-R200), 15° (LTIA03-R270)	120° (LTIA04-R30, LTIA04-W30), 90° (LTIA04-R40, LTIA04- W70), 60° (LTIA04-R50, LTIA04-W90), 45° (LTIA04-R70, LTIA04- W110), 30° (LTIA04-R100, LTIA04-W150), 15° (LTIA04-R150, LTIA04- W180)	40° to 80° (LTIA10-R90), 10° to 40° (LTIA10-R350)	1.5° to 68°, motor driven	1.5° to 68°, motor driven	90° (LTIX03-R30), 45° (LTIX03-R60), 30° (LTIX03-R100)
Power consumption	54 W	28 W	90 W	9 W	25 W	20 W
Wavelength	850 nm/740 nm/940 nm (optional)	850 nm/740 nm/940 nm/White light (optional)	850	808 nm/940 nm/980 nm (optional)	808 nm/940 nm/980 nm (optional)	850 nm
LEDs	24 pieces	12 pieces	24 pieces	-	-	-
Weight	4 kg	2 kg	2.6 kg	276 g	470 g	8 kg

# Illuminators



LTIA032

LTIA033

LTIA07

	LTIA032	LTIA033	LTIA07
Protection rating	IP66	IP66	IP68, IK10
Material	Die-cast aluminum	Die-cast aluminum	Die-cast aluminum
Illumination distance	65 m (LTIA03-R65), 80 m (LTIA03-R80), 95 m (LTIA03-R95), 120 m (LTIA03-R120), 200 m (LTIA03-R200), 270 m (LTIA03-R270)	30 m (LTIA04-R30, LTIA04-W30), 40 m (LTIA04-R40), 50 m (LTIA04-R50), 70 m (LTIA04-R70, LTIA04-W70), 100 m (LTIA04-R100), 110 m (LTIA04-W110), 150 m (LTIA04-R150), 180 m (LTIA04-W180)	13 m (LTIA07-R13), 15 m (LTIA07-W15), 18 m (LTIA07-R18), 25 m (LTIA07-R25, LTIA07-W25), 40 m (LTIA07-W40), 45 m (LTIA07-R45), 60 m (LTIA07-W60), 65 m (LTIA07-R65), 80 m (LTIA07-W80), 90 m (LTIA07-R90), 100 m (LTIA07-W100)
Beam angle	120° (LTIA03-R65), 90° (LTIA03-R80), 60° (LTIA03-R95), 45° (LTIA03-R120), 30° (LTIA03-R200), 15° (LTIA03-R270)	120° (LTIA04-R30, LTIA04-W30), 90° (LTIA04-R40, LTIA04- W70), 60° (LTIA04-R50, LTIA04-W90), 45° (LTIA04-R70, LTIA04- W110), 30° (LTIA04-R100, LTIA04-W150), 15° (LTIA04-R150, LTIA04- W180)	120° (LTIA07-R13, LTIA07-W15), 90° (LTIA07-R18, LTIA07- W25), 60° (LTIA07-R25, LTIA07-W40), 45° (LTIA07-R45, LTIA07- W60), 30° (LTIA07-R65, LTIA07-W80), 15° (LTIA07-R90, LTIA07- W100)
Power consumption	54 W	28 W	13 W (LTIA07-R_), 11 W (LTIA07-W_)
Wavelength	850 nm/740 nm/940 nm (optional)	850 nm/740 nm/940 nm/White light (optional)	850 nm/740 nm/940 nm/White light (optional)
LEDs	24 pieces	12 pieces	6 pieces
Weight	4 kg	2 kg	1.3 kg

## Pendant brackets



LTMH02



LTMH07



LTMH15



LTMH18



LTMH26

	LTMH02	LTMH07	LTMH15	LTMH18	LTMH26
Maximum load	20 kg	10 kg	2 kg	90 kg	3 kg
Material	Die-cast aluminum	Steel	Aluminum	AISI 304/316L stainless steel (optional)	Aluminum
Finish	White polyester powder coat	Beige polyester powder coat	Silver polyester powder coat	-	White polyester powder coat
Dimensions (W x H x L)	335 x 611 x 90 (mm)	350 x 230 x 60 (mm)	305 to 465 x 120 (L x Ø) (mm) (LTMH15-P, LTMH15-S), 617 to 104 x 120 (L x Ø) (mm) (LTMH15L-P, LTMH15L-S)	150 x 150 x 143 (mm)	380 to 1,200 x 155 (L x Ø) (mm)
Weight	0.7 kg	1.5 kg	460 g (LTMH15-P, LTMH15-S), 633 g (LTMH15L-P, LTMH15L-S)	1.7 kg	2.2 kg
Related products	LTEV01/LTEG06	LTEV02/LTEG04/LTEG05/LTEV07	Dome cameras	LTEX09/LTEX13/LTES10	-

## Pole brackets



	LTMH03	LTMH04	LTMH06	LTMH12	LTMH19	LTMH31
Maximum load	20 kg	20 kg	30 kg	-	-	60 kg
Material	Die-cast aluminum	Die-cast aluminum	Die-cast aluminum	Die-cast aluminum	Steel	AISI 304/316L stainless steel
Finish	Beige polyester powder coat	Beige polyester powder coat	White polyester powder coat	Beige polyester powder coat	Beige polyester powder coat	-
Dimensions (W x H x L)	182 x 45 x 114 (mm)	193 x 114 x 165 (mm)	277 x 75 x 168 (mm)	161 x 241 x 75 (mm) without hoop ring	146 x 170 x 53 (mm) without hoop ring	160 x 140 x 40 (mm)
Weight	1.3 kg	0.94 kg	2.4 kg	0.7 kg	1.4 kg	3 kg
Related products	LTEV02/LTEG15	LTEG series	LTEV01/LTEX series	LTEG series	LTEG series	LTEX/LTPM series

## Wall brackets



	LTMP03	LTMH01	LTMH08	LTMH10	LTMH23	LTMH29
Maximum load	50 kg	30 kg	60 kg	3 kg	3 kg	3 kg
Material	Die-cast aluminum	Die-cast aluminum	AISI 304/316L stainless steel (optional)	Die-cast aluminum	Die-cast aluminum	Die-cast aluminum
Finish	White polyester powder coat	White polyester powder coat	-	Silver polyester powder coat	Beige polyester powder coat	Beige polyester powder coat
Dimensions (W x H x L)	398 x 90 x 118 (mm)	278 x 138 x 210 (mm)	295 x 150 x 130 (mm)	147 x 110 x 183 (mm)	120 x 122 x 169 (mm)	237 x 416 x 385 (mm)
Weight	1.9 kg	1.8 kg	1.8 kg	0.7 kg	0.9 kg	3 kg
Related products	LTPM series	-	LTEX/LTES series	LTEG09	-	-



## Control panels



	LTAK01	LTAK02	LTAK04	LTAK05	LTAK11	LTAK12
Interface connector	Can be connected to 32 RS485 nodes	-	6 pins interface, DB 9 pins female outlet, RJ45	6 pins interface, DB 9 pins female outlet, RJ45	RS-422, RS-232, RJ45	BNC, RS-485, RJ45
Communication baud rate	1,200 bps, 2,400 bps, 4,800 bps, 9,600 bps	2,400 bps, 4,800 bps, 9,600 bps, 19,200 bps	2,400 bps, 4,800 bps, 9,600 bps, 19,200 bps	2,400 bps, 4,800 bps, 9,600 bps, 19,200 bps	1,200 bps, 2,400 bps, 4,800 bps, 9,600 bps, 19,200 bps	2,400 bps, 4,800 bps, 9,600 bps, 19,200 bps
Communication	RS-485	RS-485	RS-485, RS-422, RS232	RS-485, RS-422, RS232, USB2.0	RS-422, RS-232, RJ45	RS-485/USB 2.0 (optional)
Protocols	Pelco-D, Pelco-P	Pelco-D	Pelco-D, Pelco-P	Pelco-D, Pelco-P	ONVIF	Pelco-D, Pelco-P
Transmission distance	500 m	1200 m	1200 m	1200 m	1200 m	1200 m
Input power	12 V DC	12 V DC	9 V DC to 12 V DC	9 V DC to 12 V DC	12 V DC	12 V DC/ 5 V DC (USB)
Power consumption	6 W	6 W	5 W	4.2 W	5 W	0.6 W
Dimensions (L x W x H)	330 x 145 x 100 (mm)	150 x 130 x 96 (mm)	377 x 160 x 98 (mm)	290 x 181 x 95 (mm)	210 x 119 x 297 (mm)	158 x 107 x 150 (mm)
Weight	1.3 kg	0.5 kg	2 kg	1.6 kg	0.9 kg	0.5 kg

## Accessories



LTMP01	LTAW01	LTAB03	TSAR0100	LTAB06	LTAH01-1	LTMH33
Anti Vibration Mount	Washer	Explosion Proof Power Box	ATEX Ex d IIC T6 Gb Washer	Junction Box	Defog Heater for Front Glass	Housing Rotating Bracket

Any application,  
we have **solutions.**



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