

LTSU03

Night Vision PTZ System

IP66, illuminator and wiper included



Features

- IP66, NEMA-6P enclosure rating
- Built-in illuminator with distance up to 120 m (394 ft) (different illumination source optional)
- Pan and tilt speed adjustable
- Wiper included

Available Models

Model	Illumination	Input Power
LTSU03-L550-810-1	810 nm, Laser, 550 m	12 V DC
LTSU03-L550-810-2	810 nm, Laser, 550 m	24 V AC
LTSU03-L550-940-1	940 nm, Laser, 550 m	12 V DC
LTSU03-L550-940-2	940 nm, Laser, 550 m	24 V AC
LTSU03-L550-980-1	980 nm, Laser, 550 m	12 V DC
LTSU03-L550-980-2	980 nm, Laser, 550 m	24 V AC
LTSU03-W80-1	White light, LED, 80 m	12 V DC
LTSU03-W80-2	White light, LED, 80 m	24 V AC
LTSU03-S100-1	Spot white light, 100 m	12 V DC
LTSU03-S100-2	Spot white light, 100 m	24 V AC
LTSU03-R100-1	850 nm, LED, 100 m	12 V DC
LTSU03-R100-2	850 nm, LED, 100 m	24 V AC
LTSU03-R120-1	850 nm, LED, 120 m	12 V DC
LTSU03-R120-2	850 nm, LED, 120 m	24 V AC

Tech Specs

Model	LTSU03
Type	Indoor/Outdoor
Protection Rating	IP66, NEMA-4X enclosure rating

Model	LTSU03
Material	High-strength aluminum
Finish	White
Input Power	<ul style="list-style-type: none"> ▪ 12 V DC (LTSU03-L550-810-1, LTSU03-L550-940-1, LTSU03-L550-980-1, LTSU03-W80-1, LTSU03-S100-1, LTSU03-R100-1, LTSU03-R120-1) ▪ 24 V AC (LTSU03-L550-810-2, LTSU03-L550-940-2, LTSU03-L550-980-2, LTSU03-W80-2, LTSU03-S100-2, LTSU03-R100-2, LTSU03-R120-2)
Power Consumption	50 W
Pan Range (Movement in Horizontal Plane)	0° to 360° continuous
Pan Speed	<ul style="list-style-type: none"> ▪ 0.4° to 80° per second adjustable ▪ Preset speed: 160° per second
Tilt Range (Movement in Vertical Plane)	-90° to 90°
Tilt Speed	<ul style="list-style-type: none"> ▪ 0.4° to 60° per second adjustable ▪ Preset speed: 120° per second adjustable
Accuracy	0.025° ± 0.003°
Preset	128 (8 tours)
Relative Humidity	5 % to 95 % noncondensing
Operating Ambient Temperature	-40 °C to 60 °C (-40 °F to 140 °F)
Communication	RS-485, Manchester, BI-PHASE code, coaxial video control
Protocols	Pelco-D/Pelco-P
Baud Rate	2,400/4,800/9,600/19,200 bps adjustable
Window Viewing Area (Ø)	51 mm (2.0 in)
Internal Usable Size (W × H × L)	78 mm × 70 mm × 149 mm (3.1 in × 2.8 in × 5.9 in)
Dimensions (W × H × L)	411 mm × 210 mm × 269 mm (16.18 in × 8.27 in × 10.59 in)
Weight	9.5 kg (20.94 lb)
Illumination Source ¹	<ul style="list-style-type: none"> ▪ Laser (LTSU03-L550-810, LTSU03-L550-940, LTSU03-L550-980) ▪ LED (LTSU03-W80, LTSU03-R100, LTSU03-R120) ▪ Sopt light (LTSU03-S100)
Wavelength ¹	<ul style="list-style-type: none"> ▪ 810 nm (LTSU03-L550-810) ▪ 940 nm (LTSU03-L550-940) ▪ 980 nm (LTSU03-L550-980) ▪ 850 nm (LTSU03-R100, LTSU03-R120)
Illumination Distance ¹	<ul style="list-style-type: none"> ▪ 550 m (1804 ft) (LTSU03-L550-810, LTSU03-L550-940, LTSU03-L550-980) ▪ 80 m (262 ft) (LTSU03-W80) ▪ 100 m (328 ft) (LTSU03-R100, LTSU03-S100) ▪ 120 m (394 ft) (LTSU03-R120)
Beam angle	0.5° to 43° (optional)
Illumination Power Consumption ¹	<ul style="list-style-type: none"> ▪ 3 W (LTSU03-L550-810, LTSU03-L550-940, LTSU03-L550-980) ▪ 18 W (LTSU03-W80) ▪ 25 W (LTSU03-S100) ▪ 16.5 W (LTSU03-R100) ▪ 20 W (LTSU03-R120)

1. The sepc for LTSU03-L550-810-_, LTSU03-L550-940-_, LTSU03-L550-980-_, LTSU03-W80-_, LTSU03-S100-_, LTSU03-R100-_ and LTSU03-R120-_ is the same as LTSU03-L550-810, LTSU03-L550-940, LTSU03-L550-980, LTSU03-W80, LTSU03-S100, LTSU03-R100 and LTSU03-R120 respectively.
*Design and specifications are subject to change without prior notice.