

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 |

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| 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.