

# 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

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

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.