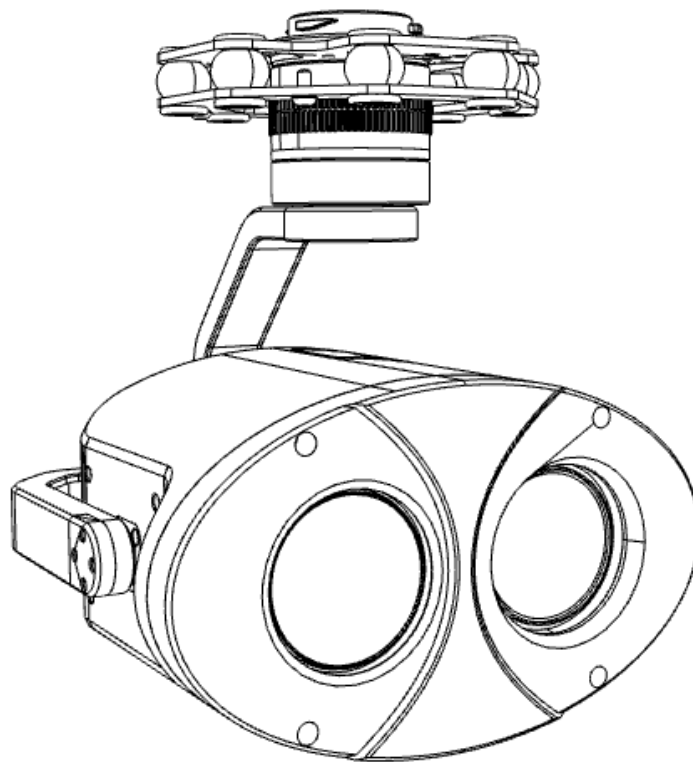


# YRIS L30

Specifications

V1.0



## YRIS L30 – 3 axis surveillance with Sony Starlight camera

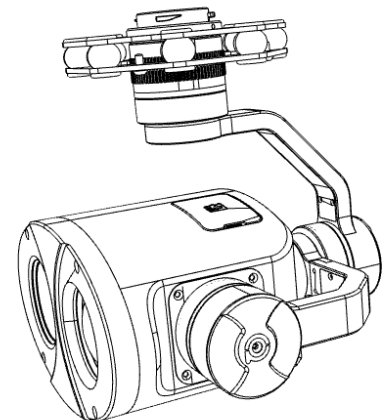
YRIS L30 is a 3-axis stabilized surveillance camera designed for day and night surveillance thanks to its Sony 30x zoom starlight camera and its 500 meters Laser Light. This powerful camera can clearly display actionable imagery at daytime at a range of several kilometres - thanks to its x30 zoom - and in poor light environment at a range of up to 500 meters.

With its pinpoint precise motor rotation, its 3-axis stabilization and its 300° rotation angle, the YRIS L30 offers precise and highly stabilized imagery for continuous monitoring of large areas. YRIS L30 video feed is securely streamed through the ORION micro-tether down to the ground computer, over IP, and can easily be broadcast to command centres or other locations.

### Characteristics

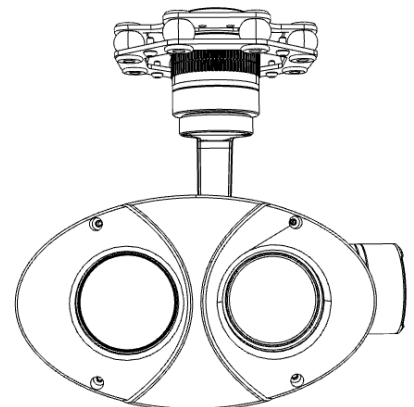
#### Camera

Imager sensor	Sony Exmor R
Sensor characteristics	1/2.8 inch 2.13MP CMOS SENSOR
Resolution	1080p
Zoom (optical)	X30 Zoom, F = 4,3~129 mm
Field Of View (Horizon)	Horizon: WIDE 63.70°TELE 2.30°
Wide Dynamic	Up to 105dB
Auto Focus	<1s
Min Illumination	Color 0.01lux@F1.6, AGC on, 1/30s
Backlight compensation	Yes
S/N ratio	Over 50dB



#### Gimbal System

Mechanical Stabilization	3-axis
Rotation angle	Pitch: $\pm 90^\circ$ , Roll: $\pm 85^\circ$ , Yaw: $\pm 150^\circ$
Angle amount of jitter	Pitch and roll: $\pm 0.02^\circ$ , Yaw: $\pm 0.03^\circ$



#### Laser Light

Effective Range	500 meters
Light wavelength	$850 \pm 10\text{nm}$ (940nm, 980nm)
Illumination angle	Tele end 2.0°: effective range of 500 meters, spot diameter < 20 meters Wide end 70°: effective range > 40 meters
Zoom time	2s (wide end to tele end)