

AGT-URQN3002X Uranous Ride Light-Duty HD IR Laser Imaging Camera



Laser effect at night for car plate detection.

Product's Highlights:

1. This integrated AGT-URQN3002X HD Intelligent Laser Camera is an excellence night vision IR camera specially developed for vehicle mounted applications based on SDI interface technology without image compression and video delay.
2. It's an advanced intelligent monitoring product that integrates optical, mechanical, electrical and image. It consists of a high-definition integrated camera, high-definition laser illuminator, power mechanism, precision transmission device, digital decoder, high-performance image processing unit and controller.
3. Simple, compact and delicate mechanical designed structure with high positioning accuracy and reliability, flexible and fast operation, smooth start and stop, and convenient control;
4. With functions of multi-point target preset, memory, automatic cruising, etc.
5. Can be mounted anywhere and it implements real all-round monitoring without blind spots.
6. Automatically adapts to the brightness and adjusts the distance of the target and the size of the image automatically.
7. Highly performance-price ratio.
8. Made with a super-strong aluminium alloy to achieve IP66 protection level which ensures the long-term stable operation of the equipment in harsh environments, suitable too for image acquisition during vehicle mobile applications.
9. DSS stepping digital illumination angle control technology, unique laser and camera magnification distance matching algorithm, 0.1° precise follow-up control;
10. GHT-II Ultra-uniform high-definition lighting technology to ensure better imaging effect of the million HD Camera;
11. Independent photosensitive control which ensures the synchronization of

- B&W conversion and laser source turning on;
- 12. Accurate alignment of two optical axes and self-locking alignment of 0.01° SLM optical axes;
- 13. The light-load numerical control platform, 360° continuous rotation observation, no dead angle, smooth operation and small image jitter.
- 14. Vehicle mounted with high vibration resistance, suitable for all types of vehicles, yachts, tanks, and also poles / stands.
- 15. One integral aluminium alloy housing, water proof and dust-proof, IP66 ingress protection.

Application Range:

- 1. Seaport & airport security and safety monitoring;
- 2. Lake, river & water system monitoring;
- 3. Key material monitoring;
- 4. Railway system monitoring;
- 5. Oilfield security;
- 6. City Security and Safety Monitoring & Surveillance;
- 7. Night gathering evidence.



Laser Effect By Argustec Technology

Other Brands

Specification:

Model	AGT-URQN3002X
Detection	Day: 800m
	Night: 500m
Laser	
Laser Light Source	<ol style="list-style-type: none"> Consumption: 5W Wavelength: 810nm military grade NIR Encapsulation: the illuminator is sealed with inert gas to prevent oxidation
Laser Lens	<ol style="list-style-type: none"> Lens form: 30mm F1.4 telephoto lens Laser angle: 1.2°~40° Homogenization: GHT-II super homogenization HD illumination patented technology Focus Angle Positioning: Precision digital drive positioning
Angle and distance matching	<ol style="list-style-type: none"> Matching method: Automatic tracking or manually fine-tuning intelligent matching method; Synchronization control: DSS digital stepping illumination angle control technology, 0.1 degree precise servo control; Response time: Z-super laser angle and imaging ratio matching algorithm, tracking response time less than 500 ms; Optical axis alignment: SLM double optical axis self-locking alignment device, the accuracy can reach 0.01 degrees, reserve external alignment window, without cover removal maintenance
Laser Switch	<ol style="list-style-type: none"> Control mode: Mandatory opening, mandatory closing and photosensitive automatic control, can be set remotely. Photosensitive synchronous control: independent photosensitive control circuit, precise synchronous switching

	<p>of laser switch and camera into day-night mode.</p> <p>3. Data Processing: Built-in Intelligent Anti-Strong Light Jamming Algorithms, Shielding the False Switches Caused by Strong Light at Night</p>
Visible Camera	
Camera	<ol style="list-style-type: none"> 1. Surface: 1/2.8" Star Level CMOS, Integrated ICR Dual Filter D/N Switch; 2. Resolution: 2 million pixels, 1920 x 1080 3. Illumination: 0.05Lux high sensitive colour, 0.01Lux black and white; 4. Encoding: H.264 video format, support multiple stream. 5. Video Bit Rate: 32Kbps - 16Mbps, 60Hz 30 frame/s. 6. Support SD card local storage, support motion detecting, blocking alert, regional invasion detection. 7. Support white balance, electronic shutter, strong-light suppression, 3D digital noise reduction, wider dynamic, infrared overexposure.
Lens	<ol style="list-style-type: none"> 1. Focal Length: 4.5 - 135mm, 200 mil electrical focus; 2. Focusing: manual/auto focus, 3A adaptive active focusing algorithm, supporting multiple trigger modes, accurate and speedy; 3. Aperture: automatic; 4. Night-day wide spectrum: 0.4-0.75um visible broad spectrum window and 0.8-0.95um NIR narrow spectrum window with day-night independent double-pass window to improve the signal-to-noise ratio of imaging light and stray light. 5. Preset position: precision potentiometer, zoom focusing feedback.
Housing	

<ol style="list-style-type: none"> 1. Material: Integral aluminum alloy housing; 2. Structure: integrated double side-load design; 3. Window glass: 4mm microcrystalline infrared high-efficiency transparent HLIN optical glass, transmittance > 98%; 4. Wiper: build-in wiper, continuously wiping/stop automatically; 5. Heater/defrost: support; 6. Temperature control: The whole system adopts thermal balance design + wide temperature electronic and optoelectronic devices, with built-in heating and heat dissipation components, which can work in low temperature and high temperature environment.
PT
<ol style="list-style-type: none"> 1. Pan: 0 - 360° continuously, Tilt: +90°~- 90° 2. Rotation speed: Pan: 0.01~100°/S, Tilt: 0.01~60°/S, support with lens focus speed adaptive function; 3. Preset: 128 preset, support lens zooming and focus preset; 4. Accuracy: ±0.1°; 5. Cruise Line-Scan: support 6 cruise line, 1 line scan; 6. Watching: Pre-positioning/Automatic Cruise Route/Automatic Scanning Route 7. Azimuth Information: Support angle query, return and positioning; 8. Zero correction: support for north-to-zero remote correction function. 9. Suspension: vehicle-mounted shock absorbing base.
Enhancements (Optional)
<ol style="list-style-type: none"> 1. Day and night cruise: D/N cruise with different preset groups, day cruise 1 - 40 preset, night cruise 41 - 80 preset, according to the photosensitive status will automatically D/N switching, adapt to different space-time scenarios; 2. Lens Servo: Support the functions of lens preset, focal length return and focal length location; 3. Remote Maintenance: Support the remote upgrade of embedded programs, convenient for after-sales maintenance.
Intelligence Function (Optional)
<ol style="list-style-type: none"> 1. Regional intrusion detection support;

2. Border-Crossing intrusion detection support;
 3. Panoramic stitching;
 4. Radar linkage;
 5. Auto-tracking support;
 6. Multi-scene group cruising support;
 7. 3D zooming/positioning selection;
- (The above functions need to be implemented in conjunction with general software and network modules)

Interface

1. Network interface: RJ45. 10/100 Base-T adaptive (integrated video output and RS485 control)
2. Network protocol: TCP/IP, UDP, IPv4/v6; support HTTP, RTP, RTSP, NFS, DHCP, NTP, SMTP, SNMPv1/v2c/v3, UPNP, PPPoE, DNS, FTP; support PSIA, ONVIF2.0, GB28181 protocol.
3. Power supply: AC/DC24V, Anti-reverse connection protection;
4. Interface: aviation waterproof connector.

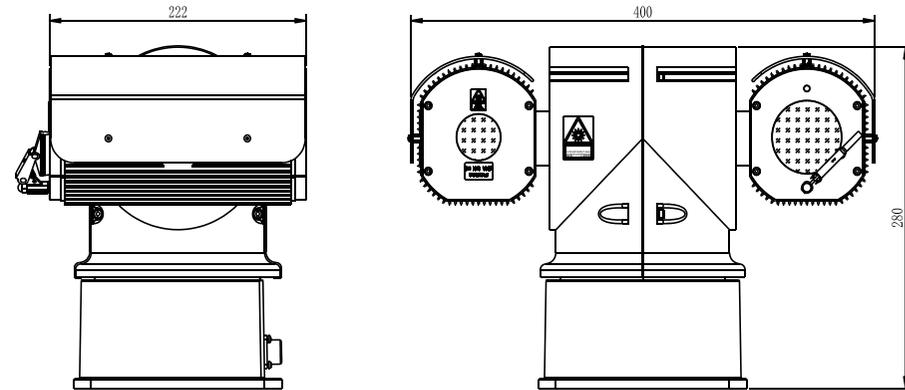
Environment Parameter

1. Operating temperature: -25 ~ +60;
2. Storage temperature: -45° ~ +70°;
3. Humidity: <90%;
4. Power Off Memory: Support (Can restore the position before power off, patrol status, line-scanning status);
5. Seismic resistance: 0.2g (in accordance with GB/T15211-2013's 5.4 Harsh grade 2);
6. Impact resistance: 15g (in accordance with GB/T15211-2013's 5.3 Harsh grade 3);
7. Lightning protection: interface circuit with built-in surge protection, 4000V power supply, 2000V signal;
8. Salt spray proof: continuous spray for 96 hours at pH 6.5 to 7.2, no change in surface.
9. Protection Level: IP66

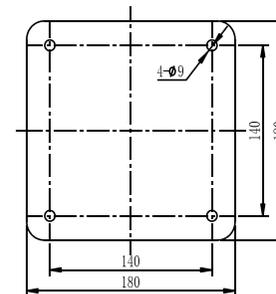
Other Specification

1. Weight: 8.5kg
2. Power consumption: 50W

* The detection distance is related to the object and environment etc. Please contact with us for further information.

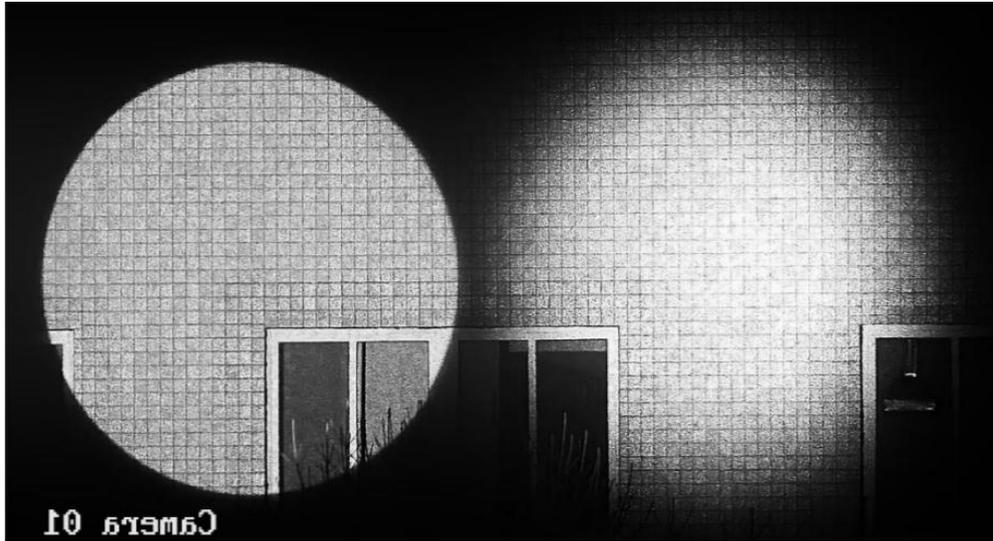


底座安装孔位图



Unit: mm

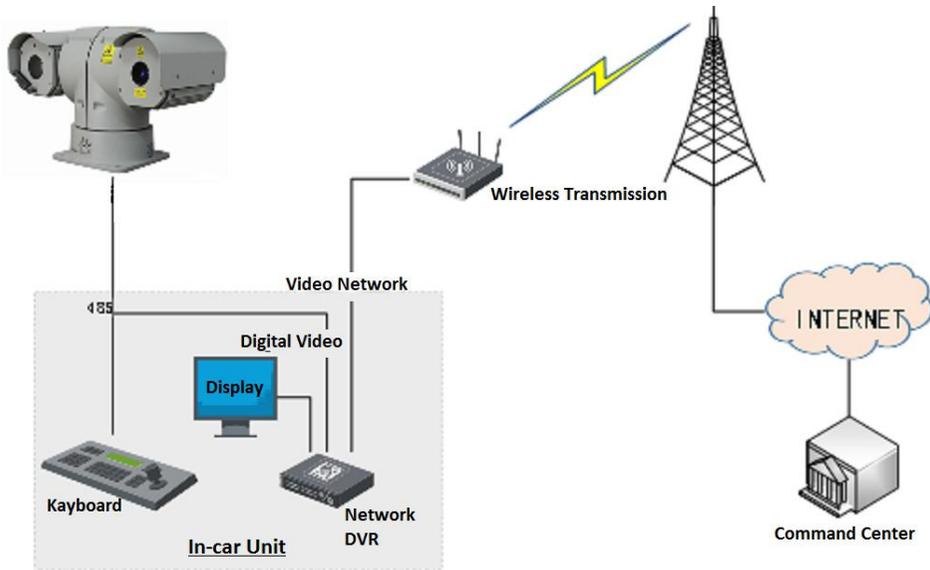




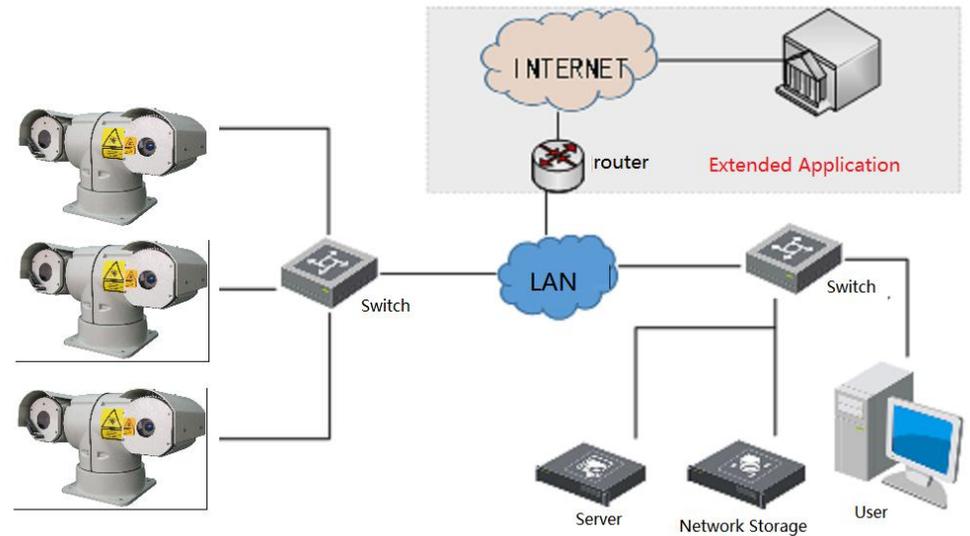
Argustec's Laser Effect



other Brands



Vehicle Mounted Application



Networked Intelligent Application