

JVS-NL65-Z70

Long Range Heavy-load PTZ Laser Camera



Key Features

- Long Range Laser Light
- 70x Optical and 32x Digital Zoom
- 7 ~ 500mm Visible Zoom Lens
- 3Km Distance Detection
- Support 360° Pan and Tilt
- Support Intelligent Functions
- Support Various Alarms
- Anti-salt Spraying Support

Long-range Detections



Car Detection



Truck Detection



Ship Detection



Drone Detection

Model	JVS-NL65-Z70
Detection Distance	
Day	3Km
Night	2Km
Visible Imaging	
Sensor Type	Back-illuminated ultra-low illumination starlight CMOS
Minimum Illumination	Color: 0.0005Lux; Black & White: 0.0001Lux; 0Lux (IRON)
Lens	7 ~ 500mm HD motorized zoom; Manual/auto focus, 3A adaptive active focus algorithm, supports multiple trigger modes, accurate and high-speed
Zoom	70x Optical Zoom, 32x Digital Zoom
Image Processing	Supports White balance, electronic shutter, Frame accumulation, BLC, HLC, 2D/3D DNR, Electronic image stabilization, WDR, Heat wave drift suppression
Day and Night	0.4 ~ 0.75μm visible light wide spectral window and 0.8 ~ 0.95μm near-infrared spectral window. Day and night independent double clear light window, improve the signal-to-noise ratio of imaging light and stray light
Defog	Support digital defog, Optical defog
Laser Light Source	
Technology	Patented technology of the new infrared HD flood light super-homogenization light source. No speckle particles and the brightness balance of all focal segments is > 92%.
Wavelength	810nm military grade infrared laser
Illumination Angle	0.7° ~ 20°
Laser Safety	Adopt ZQB safety laser beam processing patented technology, in line with international IEC 60825 safety standards
Encapsulation	The luminous body is filled with inert gas and sealed to prevent oxidation
Lens Form	50x f1.0~50mm ultra-short-focus zoom patent technology, laser 400 μm cross-section imaging lens
Transmittance	Coated with multi-layer near-infrared anti-reflection coating, high-efficiency laser coupling
Synchronous Control	DSS digital stepping lighting angle control technology, 0.1° precise follow-up control, automatic tracking or manual fine-tuning intelligent matching method
Synchronization Effect	The laser synchronization effect adjusts the modes of in-cut, outer-cut, full-screen coverage, etc., and can be set arbitrarily according to the scene remotely
Optical Axis Alignment	SLM dual optical axis electric self-locking alignment device, the accuracy can reach 0.01°
Power	12W

Audio & Video	
Image Resolution	1920x1080; 1280x1024; 1280x960; 1024x768; 1280x720; 704x576; 640x512; 640x480; 400x300; 384x288; 352x240
Video Encoding	H.265/H.264/MJPEG, Support multi-stream
Video Bitrate	32Kbps ~ 16Mbps
Audio Codec	G.711A / G.711U/ G726
Image Flip	Left/ Right/ Up/ Down/ Diagonal
OSD Settings	Support OSD display settings of channel name, time, PTZ orientation, field of view angle, focal length, and support preset name setting.
Enhancements	
Ranging	Support passive ranging
Camera Diagnosis	Support network disconnection alarm, support IP conflict alarm, support illegal access alarm, support SD card abnormal alarm, video blocking alarm
Laser Setting	Support electric alignment adjustment, pan and tilt speed can be set, and motor status can be obtained; support laser synchronization, optional laser spot incision, outer incision, full screen; support manual adjustment of laser aperture
Resume Upload	Support
Power-off Memory	Support to restore the position before power-off, preset position status, cruise status, line scan status
Remote Maintenance	With fault query, self-check, remote restart functions; online upgrade, remote upgrade
Configuration File	Support configuration file import and export functions
Smart Function	
Intelligent Analysis	Support intrusion detection, out-of-bounds detection, entry/exit area detection, motion detection, loitering detection, crowd gathering, fast movement, target tracking, item leftover, item retrieval;
Deep Learning	Support person/vehicle/animal identification, support ship identification, support fireworks identification
Automatic Tracking	Support single scene tracking / Multi scene tracking / Panorama tracking / Alarm linkage tracking
Intelligent Information Fusion	Support 512 AR intelligent information fusion, Support fire point, Intelligent analysis video identification information function, Support azimuth angle, Field angle, Focal length, Multiple information fusion
Alarm Management	Support alarm snapshot upload
Security Control	
Access Alarm	Illegal access times and lock time can be set
3 Level User	Support three-level user rights management, administrator, operator, common user
Security Mode	Authorized username and password, support IP whitelist and blacklist, MAC whitelist and blacklist
PTZ	
Range	Pan 0°~360°, Tilt -45° ~ +45°
Rotational Speed	Horizontal 0.01°/Sec ~ 30°/Sec, Vertical 0.01°/S ~ 15°/Sec, Support lens focal length speed adaptive function
Preset Cruise	3000 presets, support 16 cruise routes, each can support 256 presets
Watch	Preset position/pattern scan/cruise scan/vertical scan/frame scan/panorama scan/apple peel scan/horizontal fan scan line scan
Zoom	Support 3D frame selection zoom
Memory	Support (Can restore the position before power-off, preset position status, cruise status, line scan status)
Orientation	Support angle query/real-time return, positioning; support lens field of view return and positioning
Zero-point Correction	Support the north zero-point remote correction function
Wipers	Support

Network	
Interface	1x RJ 45, 10/100 Base-T adaptive
Protocols	HTTP, HTTPS, FTP, SMTP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, ICMP, DHCP, ONVIF, GB28181
Development	Easy to use SDK available
General	
Power Supply	DC 24V,
Power Consumption	≤150W
Working Temperature	-40°C ~ +60°C
Storage Temperature	-45°C ~ +70°C
Humidity	<95%Rh
Lightning Protection	Built-in surge protection 6000V
Anti-salt Spray	PH value of 6.5 to 7.2, continuous spraying for 96 hours
Defrost	Supports window defrosting
Ingress Protection	IP66
Structure Material	Split design, the whole adopts high-strength aluminum alloy material
Weight	35Kg (Including the mount)

* The working distance is directly related to the weather conditions. In good weather conditions, it can reach 2km at night.

**The operating distance and temperature measurement accuracy are related to factors such as atmospheric transmittance, environmental background complexity, target emissivity, environmental temperature and humidity, and temperature calibration. Please contact us according to the actual situation.

Applicable For



Oilfield Protection



Border Defense



Coastal Defense



City Security



Wild Fire Prevention



River Security