



Ultra-Long Range HD PTZ IP Camera

Key Features

- Adaptive laser illuminating system, long distance object detection and wide FOV, works in 0 Lux
- Low light color/monochrome camera, provides continuous day and night surveillance
- Auto white balance, auto gain control, auto exposure control
- 1080P High performance video processor chipset and H.264 video coding, providing HD resolution video images
- Dual-stream function with minimal time delay
- Rich network protocol and good network adaptability
- Built-in Web Server, easy to operate and configure
- Professional housing design, smart shape and low weight, handles high temperature, anti-corrosion, water resistance and acid rain
- Precision cut PTZ gearing delivers ultra accurate preset position recovery at full zoom
- IP66 environmental protection



VPTZ-ULHD-1000 high definition IP night vision camera uses active laser infrared illuminating technology providing good background contrast, clear images and is unaffected by the external lighting. It can continuously monitor day and night in high definition, with integrated long range nighttime illumination.

Based on a long period of research into laser infrared night vision technology, this product delivers simultaneous vary focal length when lighting and imaging, laser beam shaping, light intensity homogenization, elimination of red glow by performing imaging correction and homogenization compensation.

VPTZ-ULHD-1000 adopts many key technologies in the construction of its housing and environmental performance. The housing makes use of high grade aluminium and steel components to deliver military grade performance in harsh environments, delivering long-range nighttime surveillance at huge distances in high-definition.

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Specifications

Monitoring Distance	Night vision	4-5km
	Day vision	8-15km
Lens	Focal length	16.7~1000mm
	Iris	F3.5~16
	Auto iris	DC drive
	FOV	0.45°~25°
	Fog penetrating	Support
	Focus	Auto/manual
	Preset	Support lens zoom and focus preset
	Interface	C/CS
Camera	Sensor	1/1.8" Progressive Scan CMOS
	Pixels	2MP
	Color mode	Integration ICR double filter switch between day and night
	Shutter speed	Auto/manual
	Video control	AGC, AWB, support day/night mode switch auto/manual
	Fog penetrating	ON/OFF
	WDR	ON/OFF
	BLC	ON/OFF
	Interested area	Support ON/FF, area optional
	Back focus adjusting tech	Support, remote control
	Noise reduction	3D digital
	Code type	H.264/MJPEG/MPEG4
	Resolution	1080p
	Video rate	32Kbps~16Mbps
	Frequency	50Hz:25fps(1920×1080),25fps(1280×720) 60Hz:30fps(1920×1080),30fps(1280×720)
	Character adding	Camera number, time, date
	Image adjustment	Light, contrast, saturation, sharp
Internet protocol	TCP/IP/RTP/RTSP/HTTP/DNS/DDNS/DHCP/FTP/NTP/PPPOE/ SMTP/UP NP	
Features	Support heartbeat, video cover, password protected	
Laser Lens	Focal Length	100mm HD focus laser lens
	Coating	Multi-layer near-infrared coating
	Preset	Support precise potentiometer voltage feedback
	Focus mechanism	3 CAM
	Axis adjusting	Outside MMA

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Laser	Power	20W
Illuminator	Wavelength	810nm
	Lighting angle	0.3°~30° continuous zoom
	Laser switch	Auto/manual
	MQMM	MQMM Micro lens waveguide fiber mixed mode
	Encapsulate	Sealed Nitrogen
	Heat emission	Array Air-cooled heat emission, inside fan
Sun shield and housing	Material	High precision aluminum alloy shell
	Structure	Integration double window
	Surface coating	PTA Tri-proof Coating, Anti-saltfog
	Coating painting	PTA coating, anti sea corrosion
Pan and tilt unit	Burden weight	50kg(top load)
	Horizontal angle	Horizontal 0°~360°
	Vertical angle	-45°~+45°
	Pan speed	0.1°~12°/s
	Tilt speed	0.1°~8°/s
	Presets	255
	Presets precision	±0.1°
	Auto cruise	2 paths, each path can set up 64presets
Connector interfaces	Auxiliary switch	2
	Power	DC30V
Environmental	Internet	1×10Base-T/100Base-TX, RJ45
	Operation temperature	-25°C~+55°C
	Storage temperature	-40°C~+65°C
	International protection	IP66
Power	Salt fog proof	PH6.5~7.2, Continuously spraying 48 hours
	Power supply	Attached 220VAC~30VAC/6A water proof power supply
	Power consumption	≤160W
Physical	Weight	≤55kg
	Size (mm)	795×353×558(L×W×H)
	Installation	Outdoor base type installation

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Example images day / night

