



iView Series Overview

The iView series are the precise PTZ camera system with the integration of special camera, long range lens, adjustable IR Laser(option), variable high-speed pan/tilt motor, receiver and enclosure which has excellent performances both at daytime and at night, even in a foggy and rainy days.

The built-in zoom lens is designed to match the high sensitive day/night camera and IR Laser illumination, and to minimize the difference between the focus panels on a visible radiation with that on a near-infrared radiation

The state-of-art design of pan/tilt system offers not only flexible pan and tilt rotation, but also delivers an accurate user controllable interface, which allows users to operate the system in “micro-step” way. The laser illuminator working at 808nm freq has totally 2000mW optical output, which offer super powerful light source for the camera in night applications.

With the above outstanding technologies, the iView Series can detect target in 1~10km away in the most diverse weather conditions. The typical application occasion include: marine vessels, airport, harbors, ports, frontiers defense, customs, high way etc.

Camera Features:

- o Optional built in HQ2 fog penetrate camera or mega pixel camera
- o With multiple lens options: 10~320mm/ 17~374mm / 23~506mm/ 12.5~750mm (Motorized focus, zoom and auto iris)
- o Optional laser illuminators work at 808nm wave length with totally 2000mw optical light power, night effective range around 1km
- o Laser ON/OFF by manual or auto control (Auto mode: laser ON in B/W mode and OFF in color mode)
- o IP65/CE/FCC/RoHS compliance
- o Built in system memory with surge & non-volatile protection
- o iView series are machined from the mixed A3 armor plate, coupled with its unique sound and solid dome body design, efficiently prevent from much destructiveness and threaten in practical use.
- o Flat designed optics window from filmed and toughened glass (5mm thick K9 glass) offers distortion free image and maximum vandal resistant protection for the inside IOP camera module
- o Unique DIP switch design offers the operator an easy-to-use window
- o Optional wiper system guarantee clear view in harsh weather conditions
- o Alarm box and water pump system for optional
- o Compatible to Pelco P/D protocol and customized protocol for optional
- o RS-485 communication port, RS-232, RS-422 for optional
- o Software upgrade and changes through remote data port (FOU)

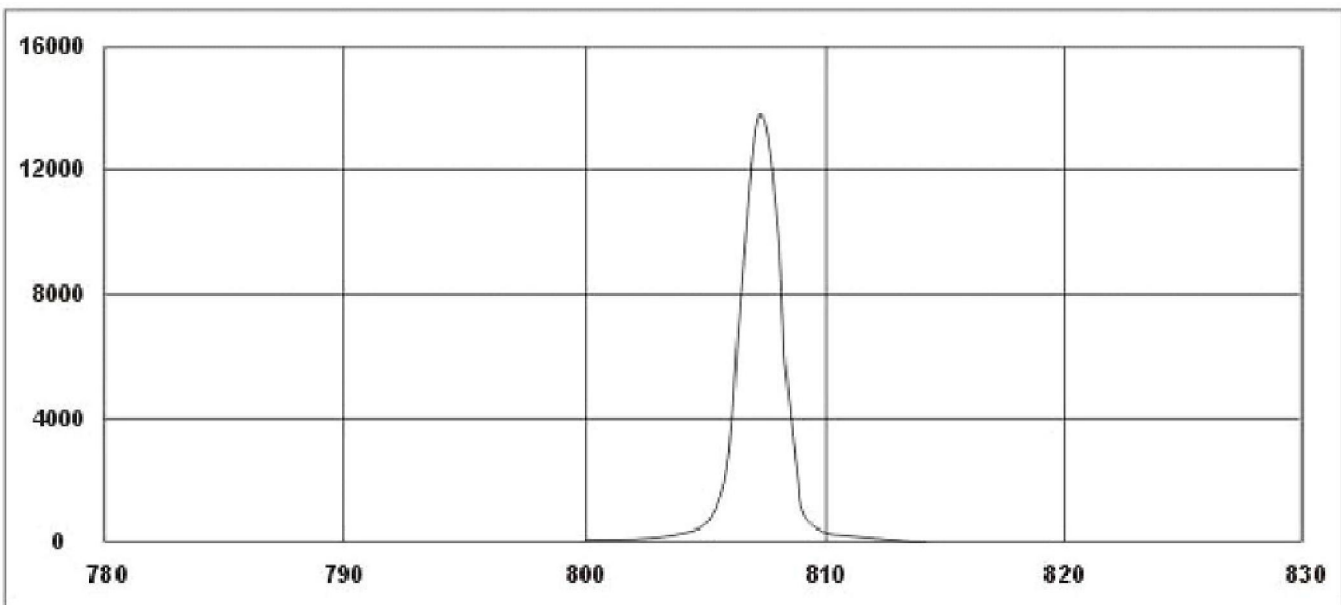
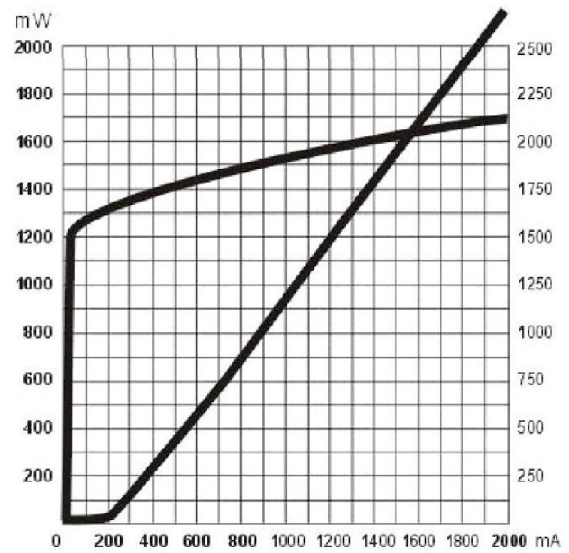
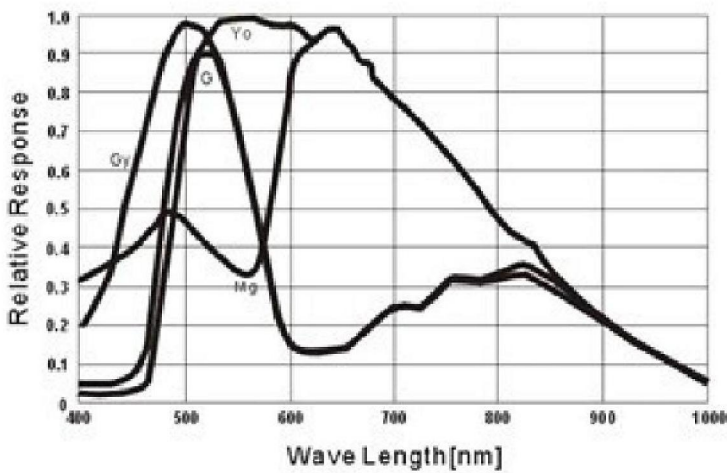
Pan/Tiles Features:

- o OSD password protection, prevent unauthorized change to the system
- o OSD programming menu, inside temperature and PTZ (Title/Time/Pan/Tilt/Zoom display)
- o User definable power-up action and temperature control
- o User definable 128 target presets, 8 preset tours, preset video frozen
- o Privacy Mask function, 8 privacy zone
- o Programmable part action & auto scan
- o User definable left and right limitation, proportional pan speed
- o Auto / Manual zero calibration
- o Motor calibration in manual or auto guarantee preset precision in continuing running

Parameters:

- o Input voltage: AC24V, 50HZ
- o Maximum Power Consumption: 50W (Laser Off), 72W (Laser ON)
- o Continues working temperature: -20°C - +50°C
- o Storage temperature: -40°C - +60°C
- o Dimension: 240x460 x445 mm (L*W)
- o Net weight: 25KG
- o Pan rotation: 0~360° continuous rotation
- o Tilt rotation: -74°~+45°
- o Speed: Pan 0.09°~80°/s Tilt 0.09 ° ~ 25° /s
- o Preset speed: Pan 80° /s Tilt: 25 ° /s
- o Preset accuracy: +/- 0.03° (auto /hand control.)
- o Auto scan (manual or auto): 1°-40°/s

Laser Parameters(option item)	Specifications
Laser electric current:	Average 245mA
Laser working voltage:	Average 2050 mV
Slope efficiency:	Average 1.20
Laser wavelength:	808nm (Please see the Laser spectrogram)
Electric working electric current:	2000mA
Electric light efficiency:	2000mW
Laser Angle:	1° ~8°
Laser electric current:	Average 245mA



Fog Penetration Camera Parameters	Specifications
Image sensor 1/2"	Sony Ex-view HAD CCD
Picture element	PAL:795(H)x596(V) NTSC: 811(H)x508(V)
Horizontal Resolution	Color 540TVL ; B/W 600TVL
Minimum illumination	0.003LuxF1.2(night,IRunder0Lux); 0.02Lux F1.2(DAY)
Day-night mode	Auto & manual control
Auto iris lens type	DC/Video
AGC	Auto Gain Control
S/N ratio	DNC 52dB
Auto Black	ON/OFF
Back light compensation	ON/OFF
Auto Exposure	NTSC 1/60~1/100,000sec ; PAL:1/50-1/100,000sec
Manual Exposure	1/50,1/100,1/120,1/250,1/500,1/1000,1/2000,1/5000,1/10000sec
Gama Characteristic	0.45
White Balance	Auto white balance, Manual
Synchronizing System	Internal/external/line-lock
Video Output	Composite output 0V(P-P)75

Mega Pixel IP Camera Parameters	Specifications
Camera Type	200Mega Pixel
Sensor Type	1/1.8"SONY progressive scan CCD sensor
Effective Picture Element	1600(V)*1200 (H) ,2M CCD
Video System Option	PAL/NTSC
Shutter	1/25 s ~ 1/30,000s
Minimum illumination	Color:0.5Lux / F1.2 30IRE B/W: 0.05Lux / F1.2 30IRE
Auto Iris	DC drive
Day/Night shift Mode	ICR IR Filter
Video Features	Saturation, brightness, contrast, tone control by client-terminal or IE
Video Compress Format	H.264
Compress Video output	32 Kbps ~ 2Mbps, or user definable(Maximum 16Mbps)
Compress Audio Output	G.711 , G.722 optional
Maximum Picture element	1600x1200

frame rate	25fps
Dual Stream Support	available
SD card local storage	available
Password Protection	available
NAS Storage	available
intelligent alarm system	Video masking, frame loss, IP disconnection, IP address conflict, full storage
Support Protocols	TCP/IP,HTTP,DHCP,DNS,RTP/RTCP, PPPoE , FTP
Interfaces	One RJ45 10M/100M port self-adapting Ethernet, one RS-485 control interface, and one RS-232 control interface

Lens Parameters	Aperture Range	Control		Angle of View (1/2" CCD)		M.O.D	Object size in M.O.D		Back Focus (mm)	Ocular Circle (mm)
		Zoom Focus	Iris	Wide	Tele		Wide (mm)	Tele (mm)		
10~320mm (32x)	F2.5~T1500 (F1500)	Motorized	Auto Video drive or remote	35°29 x 26°59	1°09 x 0°52	3m	1746 x 1310	57 x 43	22.70	-53
17 ~374mm (22x)	F2.3~T3000 (F3000)	Motorized	Auto Video drive	21°19 x 16°04	0°59 x 0°44	3m	1089 x 817	50 x 37	67.38	-127
23~506mm (22X)	F3.1~T3000 (F3000)	Motorized	Auto Video drive	15°50 x 11°55	0°43 x 0°33	3m	806 x 604	37 x 27	39.54	-64
12.5~750mm (50X)	F3.8~F22.C	Motorized	Auto Video drive or remote	28°43 x 21°44	0°29 x 0°22	3m	2465 x 1849	41 x 31	53.25	-77
25~1500mm (50X)	F3.8~F22.C	Motorized	Auto Video drive or remote	14°35 x 10°58	0°15 x 0°11	3m	1233 x 924	21 x 15	53.25	-38

Order Guide

Model NO.	description	Day/night effective	Fog Penetrate Effective
iView-320	Built in HQ2 Fog penetration camera & 10~320mm long range lens	Excellent	Excellent
iView-374	Built in HQ2 Fog penetration camera & 17~374mm long range lens	Excellent	Good
iView-506	Built in HQ2 Fog penetration camera & 23~506mm long range lens	Excellent	Good
iView-750	Built in HQ2 Fog penetration camera & 12.5~750mm long range lens	Excellent	Excellent
iView -320M	Built in Mega pixel camera & 10~320mm mega pixel long range lens	Excellent	Good
iView -750M	Built in Mega pixel camera & 12.5~750mm mega pixel long range lens	Excellent	Good