



GE-PT820PV-20X

H.265/S265 8MP, 6 AI 6 inch 20X Speed PTZ IP Camera

Economic Series



KEY FEATURES

- S265 up to 4K resolution 3840X2160@25fps
- 6-inch metal housing, protection class IP66
- 4pcs laser light, 6pcs dual core light, night vision distance can be 150m
- Manual speed 100°/S smooth operation, cruise maximum speed 100°/S accurate positioning.
- Support and automatically identify PELCO-D, PELCO-P and other communication protocols.
- Internal setting data is not lost after power failure, built-in anti-surge and anti-lightning protection Device
- 128 preset bits are stored at will, accurate positioning
- Cruise line, automatic line scanning function, guard position function.
- Built-in AI intelligent algorithm, support AI function: Human Detection, Vehicle Detection, Pet Detection.
- Smart IR, prevent infrared overexposure at night.
- ICR infrared filter type automatic switching, to achieve true day and night monitoring.
- Support 3D digital noise reduction, Support two-way voice intercom, support P2P.
- Support standard Onvif access and NTP service.





SPECIFICATIONS

Image	
Image Sensor	1/2.7", 8MP progressive scan ultra-low illumination CMOS S83
Main Stream	PAL: 3840X2160@25fps, 3072X2048@25fps, 3072X1728@25fps, 2592X1944@25fps, 2880X1620@25fps, 2560X1440@25fps, 2304X1296@25fps, 1920X1080@25fps NTSC: 3840X2160@30fps, 3072X2048@30fps, 3072X1728@30fps, 2592X1944@30fps, 2880X1620@30fps, 2560X1440@30fps, 2304X1296@30fps, 1920X1080@30fps
Sub Stream	PAL: D1(720*576)@25fps, VGA(640*480)@25fps, Q720P(640*360)@25fps, NTSC: D1(720*576)@30fps, VGA(640*480)@30fps, Q720P(640*360)@30fps
Encoding Format	S265/H.265/H.264
Min. Illumination	Color : 0.1Lux@F1.2; B&W : 0Lux@F1.2(IR on)
Focal Lens	5.4mm-97.2mm 20X Optical Zoom
Aperture Value	F1.6-F2.7
Horizontal View Angle	55.4° (Wide) /2.9° (Tele)
Near Focus	100mm ~1000mm (N~T)
Zoom Speed	5s (Optical, Wide angle- Telescope)
IR Distance	150M (10 lamps)
Noise Reduction	3D noise reduction
WDR	DWDR (off / low / medium / high)
Mirror	Off / horizontal mirroring / vertical mirroring / 180 ° rotation
Image Setting	Brightness / contrast / sharpness / saturation / chroma
PTZ Parameter	
Manual Rotation Speed	Horizontal : 1 ~ 100°/s; Vertical :1 ~ to 40°/s
Horizontal Rotation Range	Horizontal 0 ~ 360° continuous rotation
Vertical Rotation Range	Vertical 0 ~ 90°
Control Method	RS485/ TTL optional
Automatic Cruise	2 cruises, preset points duration time and cruise speed can be adjusted
Auto Line Scan	4 level can be adjusted
Two Points Scan	1, set it between A and B preset, 4 level scanning speed optional
Proportional Deceleration	Support intelligent focus / speed automatic matching technology
Preset	128
Idle Action	Supports 4 kinds of idle actions, the idle time can be set
Anti-lightning	Power connection port 3KV
Power-off Protection	Automatically run memory function. After power failure, the system performs the action before the power failure



Human Detection	
Responding Speed	≤1s
Maximum Detection Frame Rate	5fps/s (color image)
Detection Area	Support specified area, default full screen
Shielded Area	Support 4 areas setting
Upload Method	Private protocol upload
Trigger Method	Video trigger
Video and Audio	
Video Bit Rate	Fixed bit rate, variable bit rate(1538kbps-8Mbps)
Video Type	Composite stream / video stream
Audio Coding Standard	G.711U/64Kbps
Audio	Built-in Microphone & Speaker
Network Function	
Network Interface	1*RJ45 10M/100M self-adaptive LAN port
Network Protocol	TCP/IP, UDP, HTTP, DHCP, RTSP, NTP
Interface Protocol	ONVIF
Network Interface	RJ45 10M/100M network adaptive
PoE	Built-in PoE
General	
Web Client Language	English/Spanish/Korean/Chinese S/Chinese T/Italian/Turkish/ /Russian/Arabic/Vietnamese/German
Operation T/H	- 20°C ~ 60°C / 0% -90%
Waterproof	IP66
Power Supply	DC12V
Power Consumption	<10W (MAX)
Dimension (mm)	Equipment:200(W)X350(H)X225(L)mm Packing: 255mm(W)X435mm(H)X265mm(L)
Weight/PCS (g)	N.W.: 3000g Packing: 4000g
Outside Carton	2pcs/carton; 545mmX275mmX455mm; Weight: 9.35kgs

Design and specifications are subject to change for product improvements without prior notice