

HomePlug AV (200Mbps) > Power over Ethernet Security Surveillance System

GigaFast HomePlug AV Power over Ethernet Security Surveillance System (PE925-PoE + C) operates on HomePlug AV standards, transferring digital video signals at 200Mbps over standard home AC wiring. PE925-PoE + C has one of the easiest installation in the home security surveillance market today. Unlike other wired surveillance systems, installation for PE925-PoE + C eliminates the need for long Ethernet or video cables throughout the house since the digital video signals are transferred over home powerline. The cameras can be placed near any electrical plug, which is pervasive throughout homes. At the same time, PE925-PoE + C is much more secure and covers bigger area than wireless home surveillance systems. This system supports Universal Plug and Play (UPNP) for easy setup.

Every PoE camera in this system comes equipped with a HomePlug AV PoE power supply in which the camera receives power and sends digital video signals through the powerline. The cameras have true day/night, pan/tilt functions with high-sensitivity progressive scan CMOS sensors and deliver crystal clear images at 30 frames per second in VGA resolution. The video can be viewed on computers, laptops, and mobile phones over a local area network or the Internet. The pan and tilt camera functions can also be remotely controlled over the Internet.



Camera Features

- Pan/tilt CMOS IP camera with an automatic removable mechanical IR-cut filter
- 12 high power infrared LEDs to cover video footage from any angle and under any lighting condition
- Crystal clear images at 30 frames per second in VGA resolution

PoE Power Supply Features

- 1-port support 48V DC power to PoE (IEEE802.af) powered IP camera
- Per port feeding power 7 watts (Class II)
- 128-bit AES security
- Security push button for software free configuration

Camera Specifications

For PoE Power Supply specifications, please refer to PE925-PoE product sheet

Image sensor	1/4" Progressive scan CMOS sensor
Lens	F2.0, 4.0mm
Angle of view	59 degree diagonal
Digital zoom	10x digital
Min illumination	0.5 Lux
Pan/Tilt	354 degree pan range, 60 degree/sec pan speed 125 degree tilt range, 80 degree/sec tilt speed
Video compression	Motion JPEG MPEG-4 Part 2 (ISO/IEC 14496-2), Profile: SP
Resolutions	Motion JPEG / MPEG-4: 3 resolutions from 640 x 480 to 160 x 120 via API, 3 selections via configuration web page
Frame rate	Motion JPEG / MPEG-4: Up to 30 fps at 640 x 480 (4:3 resolutions)
Video streaming	Simultaneous Motion JPEG and MPEG-4 (dual streaming) Controllable frame rate and bandwidth Support unicast and multicast Support 3GPP/ISMA RTSP (real time streaming protocol)
Audio	Two-way (full duplex) External microphone input or line input Audio compression: G.711 PCM, 8kHz, 64 kbit/s
Power	12V DC, 1A, Max 5W PoE Built-in IEEE 802.3af Class 0 (M511E)
Instant Messenger	Support MSN Live View (MSN 7.0, 7.5, 8.0)
Security	Multiple user access levels with password protection, HTTPS encryption
Users	5 simultaneous users Unlimited number of users using multicast (MJPG-4)
Certifications	CE, FCC, RoHS

Application

