

HomePlug AV (200Mbps) > PLA Security Surveillance System

GigaFast HomePlug AV PLA Security Surveillance System (PE925-PLA + C) operates on HomePlug AV standards, transferring digital video signals at 200Mbps over standard home AC wiring. PE925-PLA + C has one of the easiest installation in the home security surveillance market today. Unlike other wired surveillance systems, installation for PE925-PLA + 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 IP camera in this system comes equipped with a HomePlug AV Ethernet Power Supply and Y Cable, in which the IP camera receives power from and sends digital video signals through the powerline. The IP camera has a high-sensitivity progressive scan CMOS sensor and delivers 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.



Camera Features

- High-sensitivity progressive scan CMOS sensor
- MPEG-4 and Motion JPEG streams can be sent simultaneously from each channel
- Crystal clear images at 30 frames per second in VGA resolution

Ethernet Power Supply Features

- Y cable to provide both digital video signal and power to the IP camera
- 5V / 1A, 12V / 0.5A power output levels
- 128-bit AES security
- Security push button for software free configuration

Camera Specifications

For HomePlug AV Ethernet Power Supply specifications, please refer to PE925-PLA 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
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
Alarm and event management	Events triggered by video motion detection, external input or according to a schedule Image upload over FTP, email and HTTP Notification over TCP, email, HTTP and external output pre and post alarm buffer
Instant Messenger Security	Support MSN Live View (MSN 7.0, 7.5, 8.0) 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

