



The road to the future of CCTV continues with **VIP-X**



BOSCH
Invented for life

VIP-X, space-saving solutions for single and dual-channel IP CCTV

Extending our portfolio of world-class VIP (Video over IP) products, the new VIP-X1 and X2 video encoders, and the VIP-XD decoder, bring improved quality and enhanced functionality to network-based video surveillance. Thanks to advanced bandwidth-efficient MPEG-4 technology, these ultra-compact devices offer you DVD-like picture quality with high-resolution and fast frame-rates. What's more, they allow your existing analog PAL and NTSC cameras/monitors to be easily integrated/upgraded into new IP-based systems.

More features, less space

The new 'X' family offers all the advanced functionality of existing types in our VIP range, including dual streaming, which allows a dedicated video stream at one frame rate for recording and a different stream for live viewing. However, there are many additional functions such as USB 2.0 ports for connecting external hardware (for local storage, for example).

New features of the VIP-X1 single-channel and the VIP-X2 two-channel encoders include:

- Higher resolution and frame rates up to 30 fps over IP networks.
- Optional audio inputs.
- Power over Ethernet (PoE).

And the VIP-XD decoder:

- Independent BNC and VGA outputs.
- Single or quad display by combining 1-4 IP connections.

VIP modules are full-function IP network video servers with credit card-sized circuit boards – small enough to be built into existing camera housings to easily adapt them for IP networks. The software platform developed for the new range also brings you many benefits, including improved processor performance, better future-proofing and reduced operational cost, providing an even more attractive migration path from MPEG-2 to MPEG-4. Added to this are decreased load on the network and greater capabilities for video recording and replay with increased capacity.

The IP advantage

IP-based CCTV surveillance systems are increasingly being deployed throughout the world by many businesses, institutions and organizations. Compared with previous systems, IP networks offer inherent advantages of scalability, flexibility, optimal camera functionality, wide area connectivity and an attractive cost of ownership – compelling arguments for new and existing users to invest in IP-based security systems.

Why Bosch?

Bosch Security Systems is a pioneer and world leader in IP network video for surveillance systems. Our products are compatible with analog components in legacy networks, so you can make the transition to IP gradually without losing original functionality. And if you're a new user, Bosch offers an enormous advantage with truly state-of-the-art surveillance technology – a sound investment for the future.

Bosch IP encoders/decoders

Our VIP and VideoJet ranges offer unrivalled high-quality, real-time IP solutions. Combined with Digital or Network Video Recorders (DVRs & NVRs), they protect against network failure and provide pre-alarm recording while transmitting coded analog video, audio, alarm inputs, relay signals and camera PTZ command signals. For local, satellite or Internet surveillance, built-in motion detection automatically increases the frame rate to capture an event in detail, safely storing it while saving valuable capacity on irrelevant footage. Intelligent switching and multicast support allow multiple viewing of one camera over a LAN/WAN without overloading the encoder – a key feature in scalable solutions.



CCTV configuration.