



# NETiP

Stand-Alone Remote Digital Video/Audio IP Transmitter

DataSheet



## NetiP Gives You Peace of Mind 24/7 - Wherever You Are!

- Monitor your premises, from any PC, anywhere, any time
- Monitor your employees & visitors to your premises
- Monitor business operations to implement maximum efficiency
- Enables video verification of alarms – the alarm verification method endorsed by law enforcement agencies

## for Remote Monitoring, Video Verification of Alarms and Virtual Guard Tours

### NetiP has Better Features at Lower Prices

**NetiP** digitises analogue video & audio signals in real time and transmits them over a standard broadband connection or LAN/WAN with 8 channels of video and full duplex audio. Video images are compressed, encoded and stored on flash memory for immediate, easy access to recorded events.

**NetiP**'s 8 channels makes it possible to view up to 8 different areas or zones. Authorized users can view their premises at any time through secure remote access to stored video and real-time video images, with alarm log reporting available online.

**NetiP** is the most cost-effective system on the market today. Our competitive pricing does not compromise features or quality:

- **Transmits** superior quality video. Optimized video formats supporting different image compression methods to optimize quality, size and transmission rate for stills and video streaming
- **Transmits** full duplex audio, with Automatic Gain Control, echo cancellation, internal switcher, microphones inputs and speaker output
- **Transmits** on alarm or on demand with sophisticated programmable alarm inputs and dry contact control outputs. Local, remote or scheduled activation
- **User selectable** transmission rate for effective overall network performance.
- **Automatic** pre- and post-alarm image recording
- **Compatible** with most brands of dome cameras with PTZ support
- **On-site units** can be remotely monitored and controlled by any "Windows" based PC using the supplied Observer client software
- **Intelligent** dial on alarm notifications (e.g. dial when no-video is detected)
- **Two level** access rights for user and administrator, with security log-in passwords
- **Built-in** scheduler for automatic activities
- **Local** image storage of up to 400 images (2,000 optional)
- **Auto sequencing** and remote & local two page quad display
- **Hardware** watchdog for increased reliability

### NetiP System Preferred by Alarm Receiving Centers

**NetiP** is fully integrated with Sentinel Plus, the market leader in alarm monitoring software solutions in the UK. **NetiP** adds eyes to Sentinel Plus monitoring services, and offers a cost-effective solution for transmitting high-quality video & audio from remote CCTV cameras back to the Alarm Receiving Centre.

It provides a complete video and audio record of every intrusion activation event, adds unrivalled levels of functionality to monitoring stations for alarm verification and remote guarding applications, and is infinitely scalable to meet the requirements of the largest applications.

Video Domain Technologies can also provide a unique Video Integration Kit that enables full functional integration of digital CCTV into other brands of ARC software or any other Management software.

### NetiP Transmission Totally Reliable & Secure

The **NetiP** system is supplemented by IP secure signaling device such as WebWay 2424 and the Chiron Iris system, making it a truly end to end, continuous polling system that intelligently polls the networks used, identifying packet loss, signal degradation and true line failures.

Key features include line monitoring, protecting the information sent from being read or modified, protecting the communications device from substitution, protecting the messages sent from replay attack, the ability to keep the system operational during local power failure, and detailed fault condition signaling,

These features meets the key elements that are required of the alarm transmission system within the BS 8418 standard, and is EN 50136 compliant to Grade 4+ when used as part of a compliant system, supported by national ARCs and insurance companies.

### NetiP Meets Strict UK and European Standards

NetiP is BS-8418 compliant, featuring the following:

- Zone input design based on the British and European standards
- Low battery and mains power ON/OFF detection
- Dial on alarm (DOA) when the unit resets, low battery, input signals, tamper, or the mains power is lost or recovered
- Tamper switches can be wired to set alarms
- Event log on the unit

## NetiP Stand-Alone Remote Digital Video/Audio IP Transmitter

for Remote Monitoring, Video Verification of Alarms and Virtual Guard Tours

\* 8 channel rack mount unit. Each channel includes: 1x video input, 1x audio input, 1x contact input and 1x relay output

\* PTZ supported protocols

\* Remote access: Observer Windows based client software, or from the ARC.

### Technical Specifications

VIDEO	
<b>Inputs</b>	8 BNC connectors
<b>Streaming video image size</b>	QCIF- 176x144 CIF - 352x288 CCIR / PAL QCIF- 176x120 CIF - 288x240 EIA / NTSC
<b>Frame rate</b>	QCIF up to 15 images/sec CIF up to 10 images/sec
<b>Compression</b>	<b>Video Transmission</b> - H.263 based algorithm recordings – Motion JPEG <b>Still</b> - Motion JPEG
<b>Input signal</b>	Composite video (CVBS)
<b>Input impedance</b>	75 Ohm or High-Z (Selectable)
<b>Standard</b>	EIA, CCIR, NTSC and PAL
<b>Output</b>	1 BNC connector 75Ω - auto sequencing or two page quad
AUDIO	
<b>Quality</b>	300 HZ to 3.3KHz
<b>Communication</b>	Full duplex digital stream
<b>Compression</b>	6 Kbit/Sec
<b>Inputs</b>	8 RCA connectors
<b>Input signal</b>	Line level 1Vp-p
<b>Output</b>	1 Phone Jack connector, 1Vp-p
RECORDING	
<b>Pre/post alarm</b>	Up to 400 JPEG images on local memory. Programmable number of images for each video channel Up to 1,500 images (option EM48) Up to 2,000 images (option EM64)
<b>Recording rate</b>	Programmable rate up to 5 images/sec
COMMUNICATION LINKS	
<b>Network</b>	10/100 BaseT Ethernet port supporting TCP/IP (RJ-45 connector).
<b>ADSL/CABLE</b>	Connection to ADSL/CABLE lines via ADSL/CABLE modem
<b>Optional internal modem (backup)</b>	56K modem (RJ-11 connector). Option for IM model only
ALARM INPUTS & CONTROL OUTPUTS	
<b>Serial port</b>	1 RS-232 port (model 4) 2 RS-232 ports (model 8) DB-9 connectors, baud rate up to 115Kbit/sec (option RS-485)
<b>Inputs</b>	8 external inputs / opto-coupler isolated dry contact, alarm input zones
<b>Outputs</b>	<b>Outputs 1 – 4</b> Relay, contact resistance 0Ω, current up to 1Amp <b>Outputs 5 – 8</b> Up to MOSFET, contact resistance 17Ω, current up to 100Mega Amps
MISCELLANEOUS	
<b>Infrared Remote Control</b>	Arm/Disarm the unit using the IR remote control protected with a key-code, local monitor switch between cameras, quad, panic button
<b>Real-time clock</b>	On-board real-time clock for internal clock management and time stamping of alarm events
<b>Watchdog</b>	Automatic recovery circuit
<b>Scheduler</b>	Built in weekly scheduler
<b>Test switch</b>	Diagnostics switch
<b>Factory default</b>	Reset to factory default switch
<b>Setup and upgrades</b>	Setup and software upgrades can be uploaded via a PC (locally through the RS232 port or remotely using the Observer client PC software)
DIMENSIONS	
<b>Dimensions</b>	2U 17"rack mount
ENVIRONMENTAL CONDITIONS	
<b>Temperature</b>	0 - 50 °C (32 - 122 °F )
<b>Humidity</b>	< 80% non-condensing
<b>EMC compliance</b>	FCC part 15 and CE
WARRANTY	
<b>24 Months</b>	



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