Honeywell

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HVT200 High Performance Digital Recorder and Transmitter

Suitable for professional security installations, the HVT200 is a digital recorder and transmitter with 8 or 16 video inputs, 8 alarm inputs and 4 relay outputs completely manageable by using the "Supervisor" reception software. This is an application designed for PCs running under Windows that is usable by all the HVT product range.

The communication between the HVT200 and the receiver station can be made via Ethernet (TCP/IP), through conventional lines (PSTN or ISDN) or by using GSM mobile technology. The HVT200 model has internal adapters for TCP/IP and PSTN or ISDN communications, and it also allows Nullmodem communication. Optionally, it can communicate through GSM using an external adapter.

To carry out the remote configuration (online or offline) of the recorder - transmitter, there is a specific program that is included as a tool in the reception software. The communication and the configuration can be also performed locally by using a Nullmodem cable.

The images are recorded on the hard disk as independent video sequences (up to 200000 in 1GB, a maximum of 366 days of recorded video and up to 4096 events a day). A hard disk full alarm will sound when capacity is reached and automatic deleting tool based on first in, first out will activate. Simultaneous recording is possible from all the cameras, even if they are not synchronised, with cameras having independent conditions and recording frequencies. The visual verification (VAV) feature enables automatic connection to the receiver station and transmission of the pre and post alarm images for visual verification by the operator, giving the possibility to review the sequence again while it remains stored in the memory.

The HVT200 meets the most demanding needs for installation monitoring and management. It has been made to carry out the professional surveillance of disperse medium or large installations such as banks, petrol stations, commercial and industrial premises, public and private companies or sensitive areas of large buildings.

Features

- Real time visualisation of the images obtained from any of the connected cameras (fixed or dome)
- Dome control (PTZ) for all Honeywell domes and many other manufacturers domes through a control panel integrated in the receiving software
- Image settings for each camera and simultaneous quad viewing and video tours without interfering with the recording
- Two selectable image quality levels
- Two analogue video outputs for the visualisation of video cycles and alarm sequences
- Indicator for signal loss of any of the cameras
- Visualisation of the status of the external devices connected to the alarm inputs as well as activation of those connected to the relay outputs
- Bi-directional audio transmission
- Images transmitted without interfering with ongoing recording process
- Recording and playback in the reception PC
- An external key to enable the "images under custody" function, which safeguards the images registered on the hard disk by blocking the new recording while still allowing transmission
- Video sequences exportation to external hard disk, flash memory or CD recorder

Datasheet

Technical Specification:

HVT200

Video inputs	4 / 8 / 16 channels with BNC connectors
	4 / 8 / 16 selectable 75 Ohms loads
	Automatic detection of the signal type of the installed cameras
	Signal types: Mono (CCIR/EIA) or colour (PAL/NTSC) synchronised or non-synchronised
	Automatic gaining control camera by camera. Signal level 1V p-p
	Detection of video signal loss and online and offline image setting controls
	Each input can be named using the configuration tool
Video outputs	2 analogue video outputs for video-cycles and alarm sequences
Communication options	NT = TCP/IP with Ethernet 10/100 base T internal adapter and RJ45 connector + PSTN with 56kbps, internal modem and RJ11 connector
	ND = TCP/IP with Ethernet 10/100 base T internal adapter and RJ45 connector + ISDN with 64kbps, internal modem and RJ45 connector
	RS232 port for local configuration and visualisation through a Nullmodem cable or for remote control (domes or transparent channel)
	USB port for connection of external devices (keyboard, mouse)
	Optional: G = GSM with RS232 external modem
	Dynamic IP management with TCP/IP communication
Alarm inputs	8 non-isolated inputs for dry contacts, 1 switchable screw terminal female connector
	Each input can be named using the configuration tool
Relay outputs	4 relay outputs with NO/NC contacts, 24V 1A switch power,1 switchable screw terminal female connector
	Each output can be named using the configuration tool
	Automatic activation by the alarm inputs or by the remote triggering by the operator
Capture and Compression	Resolution: PAL 352x290, NTSC365x232
	Digitalisation: optimised with a state-of-the-art digitiser and technology "Superior Enhanced Quality"
	Compression: differential image compression algorithm based on discrete cosine transfer (DCT) with background suppression (similar to MPEG4)
	2 selectable quality levels. Average image size (PAL): 5kb (normal quality) / 10kb (high quality)
Transmission	Transmission of up to 25ips according to the available bandwidth and the configuration
	Simultaneous recording and transmission
	Quad view with programmable camera tour
Recording	Recording on hard disk. Standard hard disk 40GB, also available 120GB and 240GB
	Simultaneous recording from different cameras
	Recording rate of 25 frames per second guaranteed to share among connected cameras
	Simultaneous recording and playback
	Tool for automatic deleting of the oldest images of the hard disk, maximum time for the preservation of images = 1 year
Time-lapse and/or event recording	
Time-lapse recording:	Programming timetable with daylight saving settings Possibility of synchronisation with external devices through the alarm inputs
	Calendar showing the current and the following year. 1 year capacity with special periods an exceptional days
Event Recording:	Recording activated by means of the alarm inputs
	Recording of up to 240 seconds of pre-alarm images per camera
	Recording of up to 15 seconds of post-alarm images per camera
Event definition	Images recording and relay outputs activation, triggered by means of the alarm inputs and/or by internal status (hard disk full or signal loss)
Visual alarm verification	VAV of any of the installed cameras with automatic connection to a primary and a secondary number and transmission of the images of the alarm event for visual verification by the operator * Not recommended for GSM
Audio	Bi-directional audio transmission (one single channel) simultaneous to the video transmission (on demand) by TCP/IP. Microphone and speakers are not included

Pan/tilt/control	Domes and matrix control from "Supervisor" reception software
	Bi-directional transparent channel to control other devices
Sequence exportation	Sequences exportation tool, exporting to external hard disk, flash memory or CD recorder
Configuration	Remote configuration tool with password protection
	Configuration transfer and units software updating tool
Power supply	Voltage: 100-240V AC, 4A, 50/60Hz. Nominal consumption 100VA
Physical data	Weight 6.9kg (VT200) 10.7kg (VT200/CD)
	Width x Height x Depth 366 x 140 x 330 mm (VT200) 438 x 140 x 390 mm (VT200/CDR)

Ordering

HVT204-NT1	4 channel digital recorder with TCP/IP + PSTN communication, 40GB HDD
HVT204-NT1/CDR	4 channel digital recorder with TCP/IP + PSTN communication, 40GB HDD, CD recorder
HVT204-ND1	4 channel digital recorder with TCP/IP + ISDN communication, 40GB HDD
HVT204- ND1/CDR	4 channel digital recorder with TCP/IP + ISDN communication, 40GB HDD, CD recorder
HVT204-NT2	4 channel digital recorder with TCP/IP + PSTN communication, 120GB HDD
HVT204- NT2/CDR	4 channel digital recorder with TCP/IP + PSTN communication, 120GB HDD, CD recorder
HVT204-ND2	4 channel digital recorder with TCP/IP + ISDN communication, 120GB HDD
HVT204- ND2/CDR	4 channel digital recorder with TCP/IP + ISDN communication, 120GB HDD, CD recorder
HVT204-NT3	4 channel digital recorder with TCP/IP + PSTN communication, 240GB HDD
HVT204-NT3/CDR	4 channel digital recorder with TCP/IP + PSTN communication, 240GB HDD, CD recorder
HVT204-ND3	4 channel digital recorder with TCP/IP + ISDN communication, 240GB HDD
HVT204-ND3/CDR	4 channel digital recorder with TCP/IP + ISDN communication, 240GB HDD, CD recorder
HVT208-NT1	8 channel digital recorder with TCP/IP + PSTN communication, 40GB HDD
HVT208-NT1/CDR	8 channel digital recorder with TCP/IP + PSTN communication, 40GB HDD, CD recorder
HVT208-ND1	8 channel digital recorder with TCP/IP + ISDN communication, 40GB HDD
HVT208-ND1/CDR	8 channel digital recorder with TCP/IP + ISDN communication, 40GB HDD, CD recorder
HVT208-NT2	8 channel digital recorder with TCP/IP + PSTN communication, 120GB HDD
HVT208-NT2/CDR	8 channel digital recorder with TCP/IP + PSTN communication, 120GB HDD, CD recorder
HVT208-ND2	8 channel digital recorder with TCP/IP + ISDN communication, 120GB HDD
HVT208-ND2/CDR	8 channel digital recorder with TCP/IP + ISDNcommunication, 120GB HDD, CD recorder
HVT208-NT3	8 channel digital recorder with TCP/IP + PSTN communication, 240GB HDD
HVT208-NT3/CDR	8 channel digital recorder with TCP/IP + PSTN communication, 240GB HDD, CD recorder
HVT208-ND3	8 channel digital recorder with TCP/IP + ISDN communication, 240GB HDD
HVT208-ND3/CDR	8 channel digital recorder with TCP/IP + ISDN communication, 240GB HDD, CD recorder
HVT216-NT1	16 channel digital recorder with TCP/IP + PSTN communication, 40GB HDD
HVT216-NT1/CDR	16 channel digital recorder with TCP/IP + PSTN communication, 40GB HDD, CD recorder
HVT216-ND1	16 channel digital recorder with TCP/IP + ISDN communication, 40GB HDD
HVT216-ND1/CDR	16 channel digital recorder with TCP/IP + ISDN communication, 40GB HDD, CD recorder
HVT216-NT2	16 channel digital recorder with TCP/IP + PSTN communication, 120GB HDD
HVT216- NT2/CDR	16 channel digital recorder with TCP/IP + PSTN communication, 120GB HDD, CD recorder
HVT216-ND2	16 channel digital recorder with TCP/IP + ISDN communication, 120GB HDD
HVT216-ND2/CDR	16 channel digital recorder with TCP/IP + ISDN communication, 120GB HDD, CD recorder
HVT216-NT3	16 channel digital recorder with TCP/IP + PSTN communication, 240GB HDD
HVT216- NT3/CDR	16 channel digital recorder with TCP/IP + PSTN communication, 240GB HDD, CD recorder
HVT216-ND3	16 channel digital recorder with TCP/IP + ISDN communication, 240GB HDD
HVT216- ND3/CDR	16 channel digital recorder with TCP/IP + ISDN communication, 240GB HDD, CD recorder

The manufacturer reserves the right to alter the specification of products without prior notice.

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