Honeywell

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HVT100 Digital Recorder and Transmitter

Suitable for any kind of installation, the HVT100 is a digital recorder and transmitter with 4 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 HVT100 and the receiver station can be made through PSTN, ISDN, GSM mobile technology or TCP/IP. For each type of communication there is a different HVT100 model equipped with the appropriate internal modem or adapter.

To carry out the remote configuration (online or offline) of the recorder - transmitter, there is a specific programme that is included as a tool in the reception software. The communication and the configuration can be 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 HVT100 provides a competitive solution that allows for the functions of a recorder, multiplexer and sequencer in one easy to install unit.

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 manufactures domes through a control panel integrated in the receiving software
- Image settings for each camera and simultaneous quad viewing
- 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

Datasheet

HVT100
Digital Recorder and Transmitter

Datasheet

Technical Specification:

Video inputs	4 channels with BNC connectors 4 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
Communication options	T = PSTN with 56kbps, internal modem, RJ11 connector D = ISDN with 64kbps, internal modem, RJ45 connector G = GSM with 900 - 1800 MHz, internal modem, antenna N = TCP/IP with Ethernet 10 base T internal adapter, RJ45 connector RS232 port for local configuration and visualisation through a Nullmodem cable, or for remote control (domes or transparent channel) Dynamic IP management with TCP/IP communication
Alarm inputs	8 non-isolated inputs for dry contacts, 1 switchable screw terminal female connector 8 LEDs for local visualisation of the input status 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 4LEDs for local visualisation of outputs status Each output can be named using the configuration tool Automatic activation by the alarm inputs or by the remote triggering by the operator Output 4 can be used to monitor the status of the equipment
Capture and Compression	Resolution: PAL 352x290, NTSC365x232 Compression: differential image compression algorithm based on discrete cosine transfer (DCT) with background suppression (similar to MPEG4) Compression size: 2-8KB per image (PAL)
Recording	Recording on 40GB hard disk Simultaneous recording from different cameras Recording rate of up to 8ips according to configuration 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 "Images under custody" function to block new recordings
Transmission	Transmission of up to 5ips according to the available bandwidth and the configuration Quad view
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 and exceptional days
Event Recording:-	Recording activated by means of the alarm inputs Recording of up to 4096 daily events Recording of up to 60 seconds of pre-alarm images per camera Recording of up to 60 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)
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 using DSVD (Digital Simultaneous Voice and Data) with PSTN communication. Microphone and speakers are not included
Caller ID	Quick answer / callback using the caller ID service (with RTC)
Remote control	Domes and matrices control from the reception software Supervisor Bi-directional transparent channel to control other devices
Configuration	Remote configuration tool with password protection Configuration transfer and units software updating tool
Power supply	Power On/Off switch (I/O) Voltage 12V DC with universal external adapter, UL, CSA, FCC and CE marked Peak electric current: 1A (12V), nominal electric current less than 1A (12V), 12W
Physical data	Weight 2.46 Kg Width x Height x Depth 260 x 78 x 199 mm

Ordering

HVT104 -T	4 channel digital transmission unit with PSTN connection
HVT104 -D	4 channel digital transmission unit with ISDN connection
HVT104 -G	4 channel digital transmission unit with GSM connection
HVT104 -N	4 channel digital transmission unit with TCP/IP connection

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