

HVT301 Series

(Fully integrated security system via Network)

- Interactive Real-time Video and Audio
- Fully integrated security features
- Breakthrough from analog to digital era



HVT301 Series

Fully integrated security system via NETWORK

All about remote surveillance



Main Features

- **Fully integrated security features via NETWORK**

Pre-post image storing, e-mail notification, FTP upload, local recording, weekly schedule, audio recording etc.

- **Web based, easier user friendly operation**

No need to setup extra software

- **Reliable performance based on Embedded software**

- **Transmitter, Receiver and Transmitter & Receiver models available**

HVT301Tx/Rx: Software configurable between transmit & receive

HVT301TRx: Transmitter & Receiver

HVT1204: 4 channel encoder, HVT 304R (formally the NVR-4R)

- **MPEG4 video and audio**

MPEG4 video compression gives faster transmission rate compared to the JPEG products.

- **Interactive 2-way video/audio communication**

- **Optimized video codec. for Network transmission (MPEG-4)**

- **Static and Dynamic IP (ADSL, DHCP, DDNS) supported**

The HVT series provides for easy Dynamic IP connection.

- **Event notification**

Sensor or motion trigger events to event server and email notification.

- **Remote Relay Control**

- **Local storage recording**

Audio recording, Weekly schedule, pre-post recording

16 channel simultaneous monitoring, playback and backup

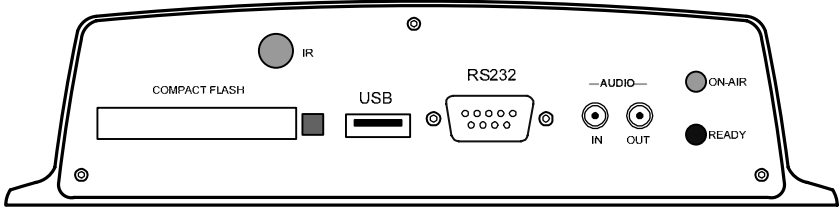
Continuous, motion, sensor, no-signal, storage-fail, network-fail triggered recording

Specifications

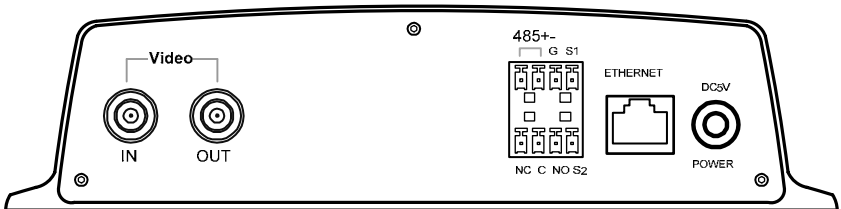
	Item	HVT301Tx (Rx)	HVT301TRx	HVT1204	HVT304R
Video /Audio	# of ch	1	1	4	4
	Output	Tx: Loop Rx:NTSC/PAL	NTSC/PAL	Quad Rx: NTSC/PAL	
	Codec.	MPEG4	MPEG4	MPEG4	MPEG4
	Max. Resolution	720x480	720x480	720x480	640x480
	Frame rate (fps)	30 at 720x480	30 at 720x480	120 at 320x240	30 at 360x240
	Audio In	●	●	●	●
	Audio out	○	○	○	●
	2-way	○	○	○	●
	Audio codec.	MPEG4	MPEG4	MPEG4	MPEG4
Network	Interface	10/100Base-T	10/100Base-T	10/100Base-T	10/100Base-T
	PPPoE/DHCP	●	●	●	●
	DDNS support	●	●	●	●
Interface	RS232/RS485	1/1	1/1	1/1	1/1
	CF/USB	●	●	●	
	Relay/Sensor	1/2	1/2	1/2	4/4
Features	Web Server	Included	Included	Included	Included
	Firmware update	On Web	On Web	On Web	On Web
	Pre-post image	●	●	●	●
	E-mail notification	●	●	●	●
	FTP upload	●	●	●	●
Local Recording (Optional)	Storage	USB/CF	USB/CF	USB/CF	USB/CF
	Features	Audio recording, Weekly schedule, pre-post recording 16 channel simultaneous monitoring, playback and backup Continuous, motion, sensor, no-signal, storage-fail, network-fail triggered recording			
	Special features	Network-fail recording and automatic backup to Central Management Unit. Intelligent time-map based playback Thumbnail playback (16 channel simultaneous playback)			
Watchdog		●	●	●	●

○ Optional

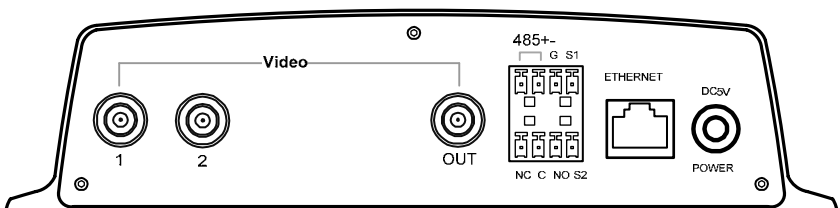
Interface



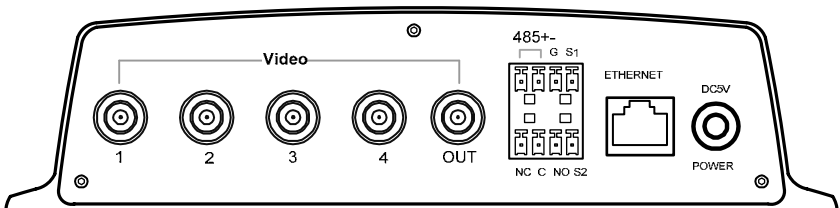
Front view



Rear view



Rear view



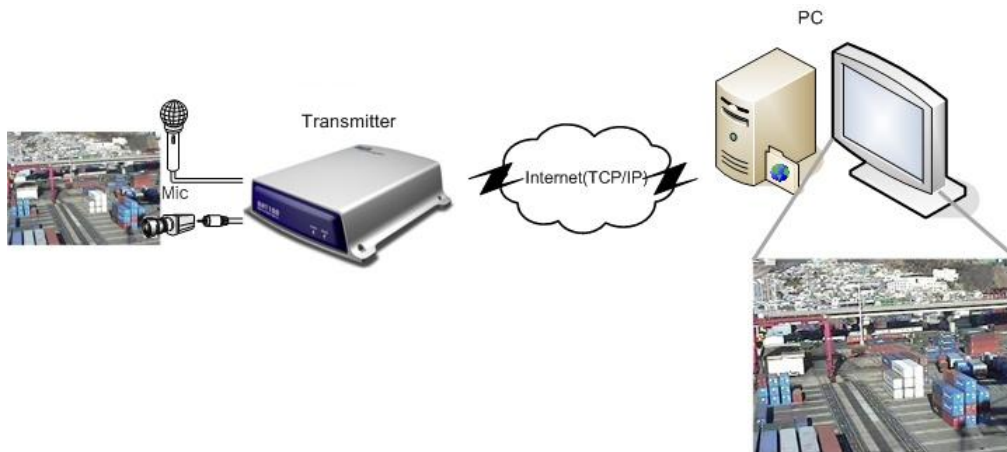
Rear view

Connection example

Ex1) One way monitoring

Transmitter: HVT301Tx

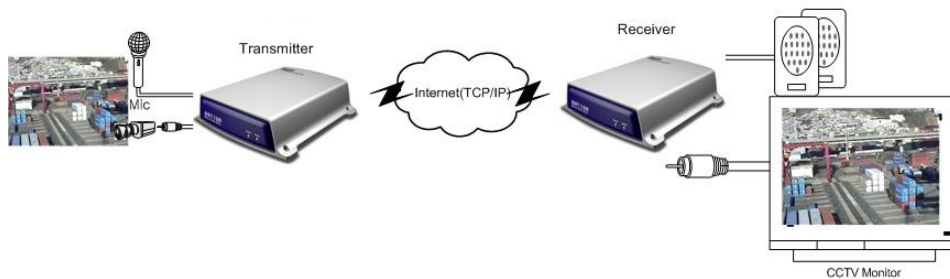
Receiver: PC



Ex2) One way monitoring without PC

Transmitter: HVT301Tx

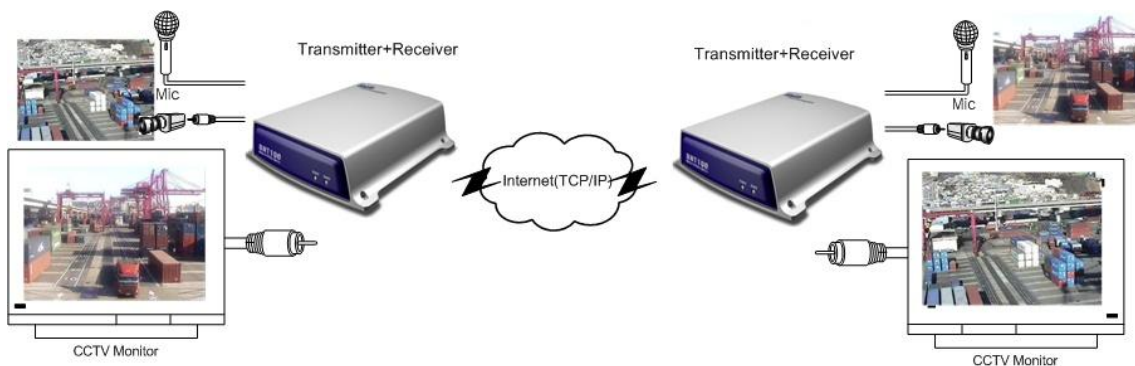
Receiver: HVT301Rx+CCTV monitor (PC not needed)



Ex3) Two way interactive monitoring without PC

Transmitter: HVT301TRx+CCTV monitor (PC not needed)

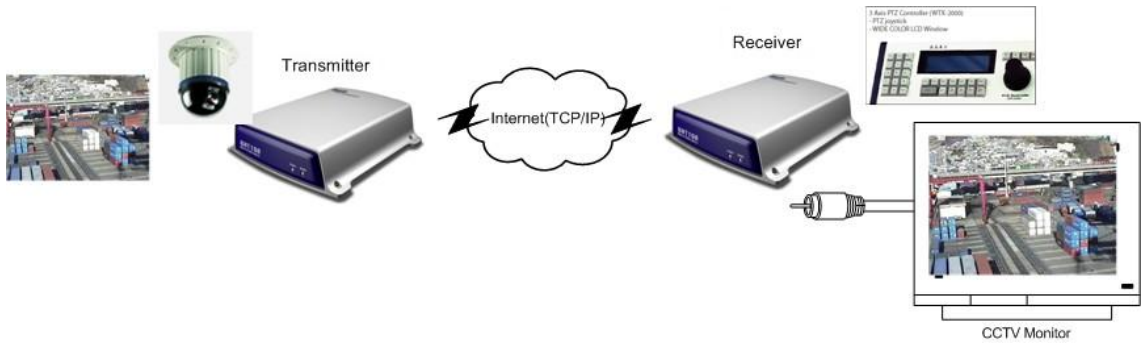
Receiver: HVT301TRx+CCTV monitor (PC not needed)



Connection example

Ex4) Remote SPD control

Transmitter + SPD & Receiver + CCTV monitor + Keyboard



Special feature: Recording Features

- **Full web based interface**

No need to setup extra software

- **Audio recording**

- **Weekly schedule**

NON exclusive schedule

- **16 channel simultaneous operation**

- **Playback mode**

x1/4, x1/2, x1, x2, x4, x8, x16, x32

Forward, Backward, and Frame-by-Frame

- **NON exclusive event triggered recording**

Motion, Sensor, No-signal, Storage-fail and Network-fail triggered recording

- **Network-fail recording and automatic backup to Central Management Unit.**

- **Intelligent time-map based playback**

- **Thumbnail playback (16 channel simultaneous playback)**

Channel 1 Network Fail check Server: 192.168.11.3 Get Set

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Mon																							
Tues																							
Wed																							
Thurs																							
Fri																							
Sat																							
Sun																							

ALL
 CONTINUOUS
 MOTION
 NO SIGNAL
 SENSOR
 NET FAIL

Sensor: Motion No Signal Network Fail Storage Fail E-mail FTP Event Server

ID	Use	Relay	Duration	Record channel	Pre-Alarm	Post-Alarm	Type
1	<input checked="" type="checkbox"/>	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	10	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	60	0	N/C
2	<input type="checkbox"/>	<input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	0	<input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/> 4	0	60	N/C
3	<input type="checkbox"/>	<input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	0	<input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	10	20	N/C
4	<input type="checkbox"/>	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/> 4	0	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	0	30	N/C

30
40
50
60

Set

Weekly Schedule

Special feature: Recording Features

File search/Backup/Print

Calendar and storage gauge
There exist files at colored date

The interface displays a 4x4 grid of 16 camera feeds. Each feed shows a different scene, such as an office, a person in a uniform, and a person in a car. The feeds are labeled with 'MOTION' or 'CONTINUOUS' and a timestamp. Below the grid is a playback control bar with buttons for play, stop, and other functions. To the right of the grid is a calendar for the month of December 2005, with a storage gauge below it. Below the calendar is a file list table with columns for 'List' and 'Ch'. At the bottom of the interface is a timeline with a yellow bar indicating recording activity.

Su	Mo	Tu	We	Th	Fr	Sa
27	28	29	30	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
1	2	3	4	5	6	7

List	Ch
20:00:00	4
19:00:00	4
18:00:00	4
17:22:07	4
17:00:00	4
16:00:00	4
15:41:42	4
20:00:00	3
19:00:00	3
18:00:00	3
17:22:07	3
17:00:00	3
16:00:00	3

Intelligent Time map
Click to move

File list
Status icon shows attribute

Display area
Live monitoring and
file playback simultaneously