



## VDR-204



**The VDR-204** is ideal for those CCTV users who require a easy to use stand-alone high quality Digital Video Recorder with the benefit of additional remote PC access via a network/ Internet.

Incorporating high quality MPEG-2 video & audio encoding and compression technology, the feature rich VDR-204 is designed for use with industry standard composite video output CCTV cameras using BNC connectors.

The VDR-204 is controlled via the front panel or its IR remote control.

Based on powerful non-PC proprietary technology, all the CCTV video recording takes place on the VDR-204 Hard Disk Drives (HDDs) hence there's no video tapes to wear or run out!

The VDR-204 4-channel CCTV DVR won't let you down even if it gets stolen or destroyed by an intruder. (If you need greater camera coverage multiple VDR-204s can be cascaded). Look what the VDR-204 can be automatically programmed to do when it detects out-of-business-hours motion:-

- + starts recording high quality MPEG-2 video (4-channel) + audio (1-channel) on its internal HDDs.
- + starts sending video files to a remote FTP server (in case VDR-204 is destroyed / stolen by intruder).
- + starts sending its alarm log by email which can also be sent by SMS.
- + starts activating it's internal alarm relay circuit .
- + starts activating it's internal buzzer (can be muted).
- + starts displaying motion on remote PC (could be hundred's/ thousands of miles away) using MultiViewer which can display 16-cameras eg 4 x VDR 204s.
- +starts remote PC (could be hundred's/ thousands of miles away) giving an audible alert (ideal for grabbing the attention of remote security personnel).
- + starts recording video and audio on remote PC as selected by the remote security personnel.
- + starts playback of archived footage directly from VDR-204 and viewed on remote PC as selected by the remote security personnel.

**VDR-204 Features** 4-channel CCTV Digital Video Recorder (stand-alone non-PC type) with MPEG-2 compression; Quad mode for simultaneous recording, playback, backup, and networking; Live remote viewing, on-the-fly recording, and control over the network; Static IP & Dynamic IP support (DHCP & PPPoE); Alarm triggered FTP and E-mail alert function; Motion detection, Video loss, and Sensor alarm function; User defined setting for recording frame rate & resolution; Various backup method support (Removable HDD, USB, Network); Selectable Quad/MUX recording; Audio recording available (single channel); Multiple recording mode: Time lapse, video loss alarm, schedule, manual & continuous recording; Still image capture and search function; Convenient search by alarm, time, or date; Quick and responsive playback & field-by-field viewing with the Jog/Shuttle dial; Watermarking (Backup); PTZ control through RS-485; Quick & easy setup through RS-232; Infra Red (IR) Remote controller available (optional); PC Software (supplied as standard) - RAMs, Uniplayer, Multiplayer; Free standing or Rack mountable – 2U

Features		VDR-204 - CCTV Digital Video Recorder (non PC stand-alone type)
CCTV Video Input Channels		4-Channel
Image System		NTSC, PAL selectable
Video Input		4CH Composite, 4CH Loop through, BNC
Video Output		1CH Composite, BNC, 1CH S-Video
Video Compression		MPEG-2
Multi-tasking		Quad - concurrent operation of Record, Play, Network Access and Back-Up available
Recording Resolution	QUAD	PAL: 720x576 (25fps); NTSC: 720x480 (30fps)
	MUX	PAL : 720x576 (25fps), 360x288 (100fps); NTSC: 720x480 (30fps), 360x240 (120fps)
Recording Quality		4 Levels (Normal, Enhanced, Fine, Super Fine)
Time Lapse Recording Interval (sec)		PAL: 1/25,1/12,1/10,1/6,1/5,1/3,1/2,1 (8 Steps), NTSC: 1/30,1/15,1/10,1/7,1/5,1/3,1/2,1 (8 Steps)
Recording Mode		Schedule, Event (Motion Detection, Sensor), Manual, Continuous
Playback Search		Date/Time, Event (Motion Detection, Sensor)
Playback Speed		x1, x2, x4, x8, x128 (Forward/ Backward); x1/4, x1/2 (Forward)
Sensor Input		4 (NO or NC selectable)
Alarm Output		1 Relay (NO or NC selectable)
Aux Control In/Out		2/3 (Selectable Function Menu; Record start in, alarm reset in, one shot record in, Record start out, Disk Full Alarm Out, Alarm Out, Error Out)
Audio		1-Channel Mono
Motion Detection		11x8, 8 Level sensitivity
Watermarking		Backup mode only
PTZ Control		4-Channels of PTZ (Pan/ Tilt & Zoom) via RS485 - URX-500, Pelco-D, Sensormetic, Vicon
System Log		Event (Motion detection, Sensor), Video Loss, Power Failure,
Password Function		Power ON/OFF, MENU, Record OFF, Key Lock
Digital Zoom		x2
Timer		Built-in real-time clock with programmable start / end dates for daylight saving hours
Network Interface		10Base-T - Static IP, Dynamic IP, DHCP, PPPoE - TCP/ IP; SMTP (email), FTP
System	Operating System	Embedded Linux
	CPU	proprietary CPU
	Internal HDD	120Gb
	Backup Options	CD-RW, via network connection, via USB flash memory
	Remote	IR remote control (optional)
Input/ Output Connection Types	Video I/P	4 BNC Connectors (with loop through to 4 BNC Connectors for video output)
	Video O/P	BNC Connector, S-Video Connector
	Audio	2 Phono Connectors in / out
	Serial RS232	9-pin D-type (local DVR control via PC or for quick set-up)
	PTZ/ Alarm	15-pin D-type (for PTZ control via RS-485, alarm relay N/O and N/C, 4-sensors N/O and N/C)
	Network	RJ-45 CAT 5 - connects to ADSL Modem/ Hub
	USB	USB socket for USB back-up peripherals
Power Rating		100~240VAC 200W
Operating Condition		0°C ~ 50°C, Less Than 90% RH
Dimensions		433(W) x 385(D) x 88(H) mm (width excludes 19" rack mount brackets)
Net Weight / Fixing		5.5 Kg (ex HDDs) / Free standing or into 19" rack mount cabinet (mounting brackets included)