



## ZR-DH1621NP Digital Recorder

## DATA SHEET

### 16 Channel Digital Recorder with built in Multiplexer and Telemetry



- Triplex Digital Recorder
- Compact & sleek design
- Wide variety of applications
- Inbuilt telemetry control
- Manual, scheduled or event recording
- Remote control via remote keyboard
- Ethernet TCP/IP connection
- Wavelet compression
- 4 x Inbuilt HDD \*
- Simple connect external storage via Firewire (upto 20 additional HDDs,) \*
- Audio recording capability
- Event backup to removable media (Memory stick, CDR, DVD, HDD, PC)
- Multilevel password protection
- Web access password protection
- Jog/shuttle playback control
- Automatic DST adjustment

\* Contact CBC for latest HDD options

The ZR-DH1621NP is a compact, versatile, flexible and very powerful 16 Channel Triplex DVR. The unit allows the user to Play and Record whilst viewing in multi-screen mode, with the added functionality to control via Ethernet and back up storage to fire wire simultaneously.

The matrix element to the DVR enables the flexibility of switching any of the 16 Cameras to your chosen monitor. Wavelet compression makes it possible to archive compact files with high image resolution, allow events to be backed up to removable media. (e.g. Memory Stick, CDR, DVD and HDD) Up to 1 TByte of storage is installed as standard by using 4 inbuilt HDD. If more capacity is required a further external 20 HDD can be simply connected via Firewire providing a total of up to 6TByte \*.

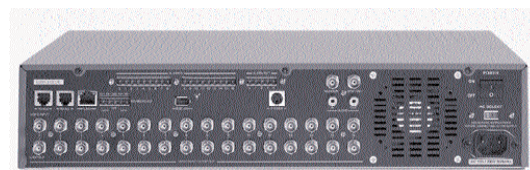
With inbuilt telemetry control you are able to control most popular fully functional cameras on the market. We have also built into the unit the availability to link seamlessly with our ZP-TX1500 RS485 telemetry.

The user has the availability to control the DVR remotely either via RS422 keypad or Ethernet via a standard web browser or client software which is issued under free license.

Each unit incorporates automatic Daylight Saving Time adjustment through an inbuilt calendar or Continuous Time Correction via Network Time Protocol (NTP) which is synchronized either by a Private or Government Time Server.

### *Range of DVR models*

#### ZR-DH1621NP 16 Channel Triplex DVR



*The ZR-DH1621NP offers an embedded DVR, Multiplexer, and built in Telemetry Matrix all in one box.*





# ZR-DH1621NP Digital Recorder

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## 16 Channel Digital Recorder with built in Multiplexer and Telemetry

### TECHNICAL SPECIFICATION

Model	ZR-DH1621NP
Video Format	PAL/NTSC
Compression System	Video: Wavelet, Audio: AC97 (8/12bit, 8/12Khz)
DVR Type	Triplex
Operating System	Embedded Linux (not stored on HDD)
Video input	16 x Composite 1.0Vp-p, 75 ohm BNComposite
Video loop through	16 x Composite 1.0Vp-p, 75 ohm BNComposite
Video output	1 x Composite 1.0Vp-p, 75 ohm BNComposite , 1 S-Video Y: 1.0Vp-p, C: 0.286Vp-p, 1 x Spot Composite 1.0Vp-p, 75 ohm BNC
Audio input	1 Channel Mono, 8/12Khz sampling rate
Audio output	1 Channel Mono, -4dB RCA
Screen options	1, 4, 9, 16, 6, 7, 8, 10, 13, PIP, CIF
Record mode	Manual, Continuous, Event
Recording speed	PAL: 50fps @ 720 x 280, 100 fps @ 360 x 280 NTSC: 60fps @ 720 x 240, 120fps @ 360 x 240
Record resolution	PAL: 720 x 280, 360 x 280, NTSC: 720 x 240, 360 x 240
Quality setting	7 levels
Pre and post alarm	Yes
Alarm protection	Yes, via HDD partition
Motion detection	Yes, programmable per camera (14 x 14 grid)
Alarm input	16
Alarm output	4 (30V 2A NC/NO, selectable)
Telemetry Control	Pan, Tilt, Zoom, Focus, Iris, Preset & Tour, OSD Menu
Telemetry Ports	1 x half duplex RS-485 or 1 x full duplex RS-422 and 1 x half-duplex RS-485
Network interface	1 x RJ-45, 10/100 Base-T Ethernet
Remote control	Optional Keypad (RS-422), web browser or PC client (via network)
Internal HDD	4 x IDE ATA133 (Typically 1 TByte) *
External Storage	Up to 20 IEEE 1394 (Firewire Devices)
Archiving	via USB or IEEE 1394 (Firewire) CD-R/RW, DVD-R/RW, HDD
Time Synchronization	Automatic via SNTP or via RS-422 master/slave
Daylight Saving	Yes
Search mode	Date/time, motion, alarm, video loss, menu change
Software update	via USB or network (FTP)
Notification	via SMTP e-mail
Security	Multi-level access control via user password
Data Integrity check	watermark
Dimension	432mm (W) x 88mm (H) x 450mm (D)
Weight	10 Kg (without HDD)
Mounting	19" 2U rack mountable
Power consumption	50W excluding HDDs
Input Voltage	115VAC or 230VAC ±10%, 50-60Hz, selectable
Operating conditions	0 to 40° C, 10 ~ 80%, no condensing

Features and specifications are subject to change for further provement without any notice

\* Contact CBC for latest HDD options

