ZR-DH1621P 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 (Up to 1TByte)
- Simple connect external storage via Firewire (upto 20 additional HDDs, 5TByte)
- Up to 6TBytes of storage
- Audio recording capability
- Event backup to removable media (Memory stick, CDR, DVD, HDD)
- Multilevel password protection
- Jog/shuttle playback control
- Automatic DST adjustment

The ZR-DH1621P 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 RS485 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-DH1621P 16 Channel DVR, 6 TBytes

The ZR-DH1621P offers an embedded DVR, Multiplexer, and built in coaxial Telemetry Matrix all in one box.

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16 Channel Digital Recorder with built in Multiplexer and Telemetry

TECHNICAL SPECIFICATION

	ZR-DH1621P
Video format	PAL/CCIR
Compression system	Wavelet
DVR type	Triplex (simultaneous Record, playback, live and playback view, LAN access)
	Embedded Type CPU, O/S Linux (not stored on HDD)
Video input	16 x Composite 1.0Vp-p, 75ohm BNC
Video loopthrough	16 x Composite 1.0Vp-p, 75ohm BNC
Video output	1 x Composite 1.0Vp-p 75ohm BNC or 1 x Y/C Y 1.oVp-p C 0.3Vp-p S connector 1 x spot monitor output 1 x Composite 1.0Vp-p 75ohm BNC
Covert camera	Yes (programmable for local & LAN view)
Audio input	1 channel RCA/Phono Jack 8KHz sampling rate
Audio output	1 channel Mono -5dB RCA/Phono jack
Screen options	1, 4, 9, 16, 13, 7, 6
Record modes	Manual, Event & Schedule
Max record speeds	50 fps 2CIF or 100 fps CIF
Record programming	Record setting programmable per camera
Range of record prog	50fps to 1field per 20 minutes
Record resolution	720 x 288 or 360 x 288
Quality setting	7 levels
Prealarm	Yes (period adjustable)
Alarm protection	Yes (programmable area on HDD)
Motion detection	Yes (programmable per camera)
Alarm inputs	16
alarm outputs	4 x relays (30V 2A)
Telemetry control	Up to 2 x simultaneous protocol
Data ports	1 x RS422 for remote keyboard control 2 x RS485 for contorl of 2 protocols (domes)
Network interface	1 x RJ45 (10/100 Baste-T)
Remote control	remote keybard (RS422), web browser or client (via network)
Internal HDD	Up to 4 x IDE ATA (Max 1TByte)*
External Storage	Up to 20 IEEE194 HDD (Max 5Tbyte)*
Event removal	Via USB or IEEE1394 (typically USB memory, CDR, DVD, HDD)
Camera title	16 alpha numeric characters per camera
Time/Date	date-month-year & hour-minute-second
Time adjust	Automatic DST/GMT adjustment
Time syncronisation	NTP time protocol adjustment or Time sync on RS422 between multiple units
Search modes	time & date, motion, sensor input, record start, menu adjustment, video loss
Software update	Lan or USB
Email	Automatic email on event, videoloss, system error (programmable)
Voltage input	110VAC or 230VAC +-10% 50/60Hz selectable
Power consumption	55/55W excluding HDDs
Operating conditions	0 to 40degrees C 10-80% relative humididty
Size (WxHxD)	432 x 88 x 430
Weight	12Kg excluding HDD
Mounting	Desktop or rackmount

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