iQ Series Digital Video Recorder

DOWSHU

500 SERIES

4, 8 and 16 CHANNELS

LCD display; Overview screen; Map screen

The Dowshu iQ Digital Video Recorder (DVR) range delivers high quality video recording with a fully comprehensive security and digital video management capability. The range extends up to 16 channels with a recording speed of up to 100 FPS. The MPEG4 compression engine gives between CIF and D1 (DVD level) video quality in efficient file sizes. This extends recording time, gives efficient transfer of data across networks and reduces data retrieval times. Each channel of the iQ DVR's can be individually set up to record at between 1 FPS and Real Time, 25 FPS*.

The iQ DVR uses an embedded Linux operating system stored in static memory, not on the DVR's hard disc drive (HDD). This means the iQ DVR will continue to operate, even after a HDD failure, and makes field replacement or HDD upgrades straight forward. The iQ DVRs have space for two HDD's (4 channel) and four HDD's (8 and 16 channel), with 3 USB ports.

The intuitive Graphical User Interface (GUI) makes the iQ DVR set up and operation simple and is controlled via a mouse, keyboard or wireless remote.

Additional features include video search and retrieval options with archived images saved as JPEG or BMP files and video clips saved with the embedded software necessary for playback on a PC. Multiple user profiles can be set up with unique access and control privelages. There is a high quality audio input on every video channel enabling synchronised, simultaneous video and audio recording. The map feature allows for the import of a map/drawing and subsequent adding of icons which show camera, record, alarm input and control output status.

The iQ DVR has RS-485 telemetry with all leading security dome manufacturers protocols built in. Remote viewing and control from a PC is enabled from LAN (Ethernet), DDNS and TCP-IP network connections. Client network and alarm receiving software is included.

Established in 1998, Dowshu is already the world's largest supplier of 32 and 64 channel DVR's. Cutting edge products, combined with outstanding customer service, have resulted in Dowshu becoming the leading DVR manufacturer and network specialist to the security industry. At Dowshu, however, excellent products are not enough. We believe in developing close customer relations in order to meet our customers' needs. We offer all our customers a comprehensive service package, from sales and technical support to logistics and our product range is available for next day delivery in the UK and Ireland with bespoke systems and solutions delivered within 6 working days.

Embedded Linux OS

Live view up to 400 FPS, recording up to 100 FPS

Up to 720 x 576 pixels, D1 (DVD) quality resolution

MPEG4 compression with individual resolution and frame settings per camera

4, 8 and 16 looping channels

Synchronised audio and video recording per channel

Multiple monitor output - composite, SVHS, SVGA, RGB & spot monitor

Mouse, front panel and remote control

CD-RW, DVD-RW or memory stick

Multiple dome protocols

Map feature

Alarm handling - email notification

Remote access network connection with bundled client and alarm software

OPTIONS AND FEATURES	iQ504	iQ508	iQ516
Operating system	Embedded Linux XP on static memory		
Compression	MPEG-4		
Multiplexer functionality	Penta plex (Live, record, playback, backup and network simultaneously		
Recording res. (pixels)	CIF (360x288), half D1 (360x576), D1 (720 x 576) - DVD resolution		
Displaying speed	PAL 100 fps, NTSC 120 fps	PAL 200 fps, NTSC 240 fps	PAL 400 fps, NTSC 480 fps
Recording speed	PAL 100 fps, NTSC 120 fps	PAL 100 fps, NTSC 120 fps	PAL 100 fps, NTSC 120 fps
Video input/loop output	4 / 4 BNC composite	8 / 8 BNC composite	16 / 16 BNC composite
Video output	1 BNC composite (multi and spot) 1 VGA 1 S-Video	2 BNC composite (multi and spot) 1 VGA 1 S-Video	2 BNC composite (multi and spot) 1 VGA 1 S-Video, component
Audio input/output	4 line / 1 line	8 line / 1 line	16 line / 1 line
Sensor input relay	4 line / 4 line	8 line / 4 line	16 line / 8 line
Display mode	1/4 and sequential	1/4/7/9 and sequential	1/4/7/9/13/16 and sequential
Backup device	USB storage	USB storage, CD-RW or DVD-RW	USB storage, CD-RW or DVD-RW
Storage media	Max 2 internal HDD's 3 USB	Max 4 internal HDD's 3 USB	Max 4 internal HDD's 3 USB
Recording mode method	Motion detection, sensor and schedule		
System control	Mouse and remote controller		
Communication port	RS-232C, RS-422		
Network	LAN (Ethernet RJ-45, 10/100 base), DDNS, TCP-IP		
Size - mm	380Wx308Dx65H	430Wx440Dx88H	430Wx440Dx88H
Weight - Kg	4.55Kg (1 built in HDD)	8.0Kg (1 built in HDD)	8.5Kg (1 built in HDD)
Power	200~240vAC 50/60 Hz		
Operating temperature	0° C to 40° C		
Operating humidity	-10% to 80% RH		
Approvals	FCC, UL, CE, CB		

The manufacturer reserves the right to change specifications without notice. All trademarks are used courtesy of registered owners.

Warranty

Dowshu iQ DVR's are supplied with a comprehensive 2 year manufacturers warranty.

Rear view - 4 channel iQ DVR

Rear view - 8 and 16 channel iQ DVR

* Frame rate depends on model

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