

Specifications: DVR2-540

RECORDING - VIDEO	
Number of camera inputs	4
Video input multiplexing options	Any format of 1 to 4 cameras on 1 screen (with programmable scale, crop and position)
Video Standards Supported	PAL/NTSC
Composite Video Input	Composite 1V pk-pk
Video Frame Rate	30 fps (NTSC); 25 fps (PAL)
Video Monitor Output	1 V pk-pk Composite
Compression Format	MPEG-2 MP@ML compression Program Stream
Resolutions Supported	PAL: 720x576; 720x400; 480x576; 352x576, 352x288 NTSC: 720x480; 720x400; 480x480; 352x480; 352x240
Quality - bitrate	10 Fixed (1 Mbps Min. 20 Mbps Max.) + Variable Bit Rate (6 Quality levels up to 50 Mbps peak)
CF Record Time	3-140 Mins/Gbyte
RECORDING - AUDIO	
Number of audio channels	2
Input Level	Mic or Line Level +3 to -30dB
Active Gain Control (AGC)	Yes
Compression Format	MPEG1 Layer II, 2 ch. 16 bit, 48 kHz
DISK INTERFACE	
Disk Interface	Compact Flash; FAT32
Maximum Card Size	32GB
Maximum File Size	2GB
File Format	MPEG-2; Windows Media Player & DVD compatible
MISCELLANEOUS	
Power up to Record start time	<20 Sec
Record Switch to Record start/stop time (in ready to record state)	<0.1 Sec
Lost recording time between 2GB files	<0.5 Sec
Max video loss if power lost while recording	<last 1 Sec (see Brownout Protection option below to extend record time after power loss).
Brownout Protection option	Up to 2 Secs (dependant on camera load). Extends recording after power loss by up to 1 Sec
Configuration	Via USB
Real-Time Date & Time Overlay	1 Sec resolution (0.01 Sec Option)
GPS Data Overlay (Option)	1-20 Hz
3 axis G-sensor Data Overlay	12.5 Hz
GPS Receiver Interface (Option)	1-20 Hz (NMEA 0183 Interface)
Continuous Loop Recording	Yes
Event Recording Mode	Yes
Pre-trigger Period	0 - 60 Mins
Post-trigger Period	0 - 24 Hours
Event Counter Data Overlay Option	Yes
ENVIRONMENTAL*	
Operating Temperature Range	-20°C to +70°C (-4°F to 158°F)
Storage Temperature Range	-40°C to +80°C (-40°F to 176°F)
Sealing	IP67
Humidity	0-100% RH Condensing
Vibration	20g 50-2000Hz swept Sin. 12hr x 3 axis
Radiated Emissions	EN55024B CiSPR25
Shock	50g, 15ms
Radiated Immunity	50V/m
Conducted Immunity	DIN40839 Cat IV
GENERAL	
Mechanical Size	151 x 76 x 21mm
Finish	Hard Anodised Aluminium
Weight (without memory card)	380g
Operating Voltage Range	9V to 20V DC
Reverse/Over-voltage Protection	-60 to +60V DC
Power Consumption (@ 12VDC)	~5W
Standby Battery	Life > 5 Years
Connectors	1 x 9W DDAS plus 2 x 5W AS

*Specifications quoted dependent on use of appropriate CF cards and are guaranteed only with Stack supplied Harsh Environment cards.



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Stack Limited
Bicester OX26 4UL
UK.
T: +44 (0) 1869 240404
sales@stackltd.com
www.stackltd.com

Stack Inc
Sycamore, IL. 60178
USA.
T: (888) 867 5183
sales@stackinc.com
www.stackinc.com