

DATA SHEET

HYBRID

DIGITAL
sprite₂



INDUSTRY STANDARD FOR DIGITAL VIDEO RECORDING AND VIDEO MANAGEMENT

The Hybrid Digital Sprite 2 is a scalable mid-range DVR containing recording and transmission capabilities in a single unit, ideally suited for medium-to-large CCTV installations. The Digital Sprite 2 includes Dedicated Micros unique **TransCoding** technology to provide advanced networking functionality. The Digital Sprite 2 can dynamically switch between resolution, record-rate & compression using **MultiMode** Recording.

MultiMode **PowerScript** **TransCoding**

FEATURES

- 6, 9, 16 video channel models with camera loop-through
- Up to 4CIF recording resolution with authentication capability; Up to 120 PPS total
- IP Streaming & Recording
- Archive via internal DVD-R or external storage capability via SCSI; up to 1.5 TB internal storage
- Plug and play using pre-configured recording and storage program
- Flexible control options include IR Remote, KBS3A Keyboard, or remote client
- 485 bus daisy-chain supports up to 16 DVR units
- NetVu Connected - ensures interoperability of all Dedicated Micros NetVu connected products and third-party integration products
- **MultiMode** Recording - dynamically switchable resolution, record rate and compression per camera (MPEG-4 & JPEG)
- **TransCoding** - maximizes data transmission over available bandwidth for efficient remote viewing
- Simultaneous record, playback, image archiving and live viewing
- Web browser capable for remote viewing
- Pan-Tilt-Zoom (PTZ) control using Coaxitron, and most popular protocols
- Advanced video motion detection and search options
- Continuous, scheduled, motion, and/or alarm based recording for each video input
- Audio – 2 channel bi-directional, recording and network transmission capable
- Text support for point of sale data applications
- Building Management Controls and Access Control Integration – supported via **PowerScript** software
- Embedded operating system
- Compatible with Windows PC, Apple Macintosh, Linux and Sun operating systems



SPECIFICATION

		DS2 Series	
	Operating System	Embedded	
	Dimensions (HxWxD)	3.5" x 17.3" x 17.5"; [89mm x 440mm x 445mm]	
	Operating Temperature Range	41° to 104° F (5° to 40° C)	
	Operating Humidity Range	10% - 85% non-condensing	
	Weight	25.1 lbs (11.4kg) with built-in power supply	
	Video	Video Inputs	6, 9, 16, looping, BNC
		Operation	NTSC or PAL capable; simultaneous live, record, playback, remote and internet access
		Maximum PPS, total (NTSC)	120PPS
		Live Video Resolution (Main Monitor)	720 X 448
		Recording	MPEG-4 and, or JPEG @ QCIF, CIF, 2CIF; and 4 CIF
MultiMode (Recording Algorithms)		Dynamically changes record rates, resolutions and compression setting for each camera	
TransCoding		User selectable MPEG-4 and, or JPEG network transmission	
Camera Installation		Plug and Play	
Snapshot/Video Clip		Yes	
Video Outputs		Main and Spot	
Audio	Audio Input/Output	2ch bi-directional; 2-way and network and local audio playback	
	Audio Connections	Line in: 47K, 1Vpk-pk, RCA; Line out: 1V pk-pk, RCA	
	Network Audio	Yes	
	Local Audio Playback	real time audio record and playback	
Storage	Internal Capacity	250, 500GB, 750GB, 1TB (16 ch only), 1.5TB (16 ch. Only)	
	Managed Storage Capability	via internal DVD-R or external storage capability via SCSI	
	Built-in DVD	DVD-R / CD-R	
	Export	DVD-R / CD-R	
Alarms	Alarms and Relays	17 normal open/closed, tamper proof inputs; keyswitch alarm; 4 relay outputs; option for expansion via 485 bus	
	Relay Output options	Activity, Alarm or Camera Fail	
	Alarm Function Support	Alarm log, "smart search", event search, pre-event recording	
	Alarm Reporting	e-mail, alarm receiver/station	
	Display Alarm on Monitor	Local (main or spot) or Network (via NetVu Observer)	
	Advanced Activity Detection	Yes	
Networking	NIC Interface	10/100	
	DHCP Capability		
	File Export		
	Remote PTZ Control	Yes	
	Bandwidth Management		
	Remote Administration		
	Remote PC Client	NetVu Observer; Windows PC, Apple Macintosh, Linux and Sun compatible	
	Remote Web Browser Client	Viewing, Administration and Programming; Windows PC, Apple Macintosh, Linux and Sun compatible	
	Password Protected		
	FTP Server Support	Yes	
Other Features	Built-in Firewall	Yes	
	POS/ATM Text support	Yes	
	PTZ Control	Dual Serial and Coax; multiple protocols	
	Software upgrade	CD or remotely by computer	
	Keyboard	DM KBS3A (includes built-in PTZ joystick); up to 16 keyboards connectable via 485 bus; up to 16 DS2 units controllable from one keyboard	
	Building Controls, Access Integration	via PowerScript software	
	Remote Control	IR remote (optional IR-01 IR range extender module); control of single or multiple racked units	
	IP Compatibility	Supports IP Cameras	
	Mounting	Desktop, Shelf or Rack	
	Ports	Data - RJ45 10/100 Ethernet; 485 Bus (2); 4 Serial ports for RS232 and RS 485 connections	
Warranty	3 Year Advanced Replacement		

PRODUCT CODES*	
DS2, 6 CHANNEL, 250GB HDD, 120PPS	DS2PD 6 250
DS2, 9 CHANNEL, 500GB HDD, 120PPS	DS2PD 9 500
DS2, 16 CHANNEL, 1.5T HDD, 120PPS	DS2PD 16-1.5T
DS2, 6 CHANNEL, 160GB HDD, 60PPS	DS2AD 6 160
DS2, 9 CHANNEL, 320GB HDD, 60PPS	DS2AD 9 320
DS2, 16 CHANNEL, 600GB HDD, 60PPS	DS2AD 16 600
OPTIONAL ACCESSORIES	
DIGITAL KEYBOARD WITH JOYSTICK	KBS3/A
POS INTERFACE BOX	SIDG
NETVU CONSOLE REMOTE VIEWING STATION	DVPB/CON

* SEE OUR WEBSITE FOR FULL DS2 MODEL LISTING

PLEASE CHECK THE WEBSITE OR YOUR LOCAL REPRESENTATIVE FOR PRODUCT ORDERING INFORMATION AND OTHER DEVELOPMENTS

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