

THE LEADING PLATFORM FOR INTERACTIVE
SURVEILLANCE OVER DIGITAL NETWORKS

MediaRacer® 1001/MD

Multimedia Server Featuring Integrated Outdoor Motion Detection And WAVELET Compression

There is a tremendous difference between indoor motion detection and an intelligent motion detector designed for outdoor use. Indoor motion detection solutions are usually ill-suited for outdoor applications because any movement will trigger the camera leading to the near-certainty of a large number of false alarms.



Outdoor installations require intelligent motion sensors that can discern the motion of a possible intruder from the motion of trees swaying in a breeze, or a guard dog making its rounds. Perhaps even more importantly, an intelligent motion

detector should be able to learn from and adapt to changes in its operating environment. The Video Motion Detector featured in the MediaRacer® 1001/MD is based on state of the art adaptive digital processing technology that achieves an extremely low false alarm rate. The technology is especially good at handling noisy video sources such as infrared and light-intensified cameras. It supports changes in lighting or weather that have traditionally caused video motion detectors to fail.

Signal processing routines executed by an onboard DSP (Digital Signal Processor) allow it to rapidly learn (within 1 second) scene normality and then detect significant changes, such as intrusions. Rapid adaptation allows the MediaRacer® 1001/MD to control panning cameras with preset dwell positions, as well as fixed cameras.

highlights

- Streams video, serial data, sensor inputs and delay activation commands over digital networks
- Integrated outdoor video motion detector (VMD) based on world's leading technology
- Supports up to full motion video (25/30fps) at selectable range of resolutions up to full PAL/NTSC
- Pre/Post alarm storage (cyclic buffered) for event triggering recording, per camera & per event
- Compatible with the MAVIX flexible and user friendly SDK (COM & DLL formats) and API

for further information visit our website at: www.mavix.com
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MAVIX

PRODUCT SPECIFICATIONS

MediaRacer® 1001/MD

general

- Combined video, and data server in one box
- Dedicated multimedia Digital Signal Processor
- Supported by MAVIX API in COM and DLL format

system requirements

Compatible with Windows NT, Windows 2000 and Windows XP

video

Coding Algorithm	WAVELET
Formats	PAL or NTSC
Resolution	QQCIF, QCIF, CIF, 4CIF
Frame Rate	Up to full, dynamically set
Input:	Form Composite
	Impedance 75Ω
	Level 1 Vpp
Output:	Form Composite
	Impedance 75Ω
	Level 1 Vpp
Connector:	Camera Side 1 BNC Input

audio

Not Available

connections

Network Interface

IEEE 802.3/802.3U
Ethernet/Fast Ethernet
(Auto Sense) RJ45

Serial Data Interface

COM1 - RS-232 RJ45

Discrete I/O Interface

1 In + 2 Out @ Opto-isolated

dimensions and weight

Dimensions (WxHxD)	19.5x2.8x14 cm (7.67"x1.1"x5.51")
Weight	425g (14.99 oz)

firmware updates

Firmware is upgradable via FTP over the IP network

electrical characteristics

Line Feed	100 - 240 VAC
Frequency	47 - 63Hz
Battery Feed	12 VDC
Power Consumption	6W Typical

* The MR1001/MD is supplied with an external power supply, checked and approved by MAVIX

operating conditions

Operating Temperature	0° to 50°C (32° to 122°F)
Storage Temperature	-10° to 65°C (14° to 149°F)
Operating Humidity	5% to 95% (Non-Condensing)

approvals

Safety	UL Listed CE Mark
EMI/RFI	FCC /CE Class A

ordering information

Name	P/N	Description
MediaRacer®1001/MD/C /E	MXR024	Camera side 100/240 VAC