

--- MediaRacer 1001 ---

The high quality, low cost, leading platform for Interactive Surveillance over High Speed Networks

Highlights

- Wide range solution, supports configurations from point-to point to high-end systems, enables users to tailor the product to their needs.
- Camera side & Monitor side features non-managed point-to-point connectivity with automatic link set-up, for cost effective low - end applications.
- Supports Full Motion Video (25/30fps) at full CCIR601 (PAL/NTSC) resolution, providing unique high quality video pictures particularly important for mission critical applications.
- Scalable bandwidth range up to 8Mbps with a selectable range of resolutions (full CCIR601, SIF, QSIF, etc).
- API support for integration with 3rd party applications, enables large installations management from a single console.
- Fully managed by MAVIEW SW management system and MediaRacer SW management system for central control rooms' monitoring and control.
- Optimized utilization of TCP/IP and UDP protocols, including IP multicast, dramatically reduces bandwidth usage while still maintaining high video quality.
- MxN Virtual Matrix technology, logical switching of video data from M distributed sources to N destinations over IP.
- Pre & post alarm ready (cyclic buffered recording) for event triggering per event.

Product Name

MediaRacer1001



Product Description

MediaRacer1001 is a member of the new MAVIX family of Multimedia Gateways for delivery of high quality Video and Data over TCP/IP networks.

MediaRacer1001 features full motion video at full CCIR601 resolutions (PAL/NTSC), and is based on low cost, small form factor size, while maintaining the high-end system qualities characteristic to MAVIX products. Furthermore, MediaRacer1001 features unique capabilities for low-end applications, such as non-managed point-to-point automatic link recognition and setup, eliminating the need for costly management applications. This allows end users to tailor the solution to their exact needs and budget.

MediaRacer1001 features one video camera attachment, RS232, RS485 and two Discrete I/O connection all in a box smaller than a VHS cassette. This highly integrated solution functions as a zone concentrator for video and data device, eliminating the need for multiple HW platforms for different protocols, thus significantly reducing the overall cost of the installation.

For medium to large size applications, the MediaRacer1001 is fully manageable by MAVIX's MAVIEW SW management system, and in the future by the most innovative, state-of-the-art, WEB based MediaRacer SW management system, thus allowing unified monitoring and control of large installations from a single management console.

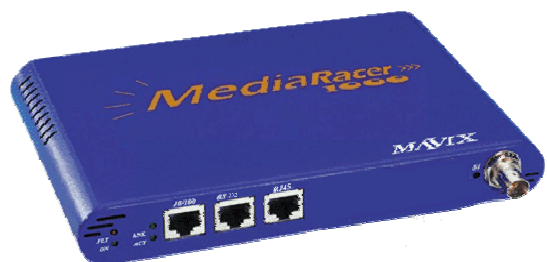
The MAVIEW software allows to control and adjust the video bandwidth and quality to fit specific application requirements. Moreover, monitoring the video stream with the MAVIEW desktop application is another unique option featured by the new MAVIX MAVIEW-PLAYER.

Solutions that require the surveillance function to be integrated with 3rd party applications, are ideal examples where the MediaRacer1001 features a well defined, easy to implement API,

enabling users to create their own management application for their complete needs.

MediaRacer1001 supports video stream bandwidths of up to 8Mbps, being a wide range solution that is applicable to low, medium and large size applications. This capability is achieved by using the new, state-of-the-art, WAVELET compression standard.

The MediaRacer1001 also allows significant bandwidth savings by optimizing the UDP and IP protocols, supporting IP Multicast, as well. End users can set the video quality and the bandwidth usage according to their bandwidth budget, by simply setting a configuration parameter in the setup of the unit. As bandwidth becomes more available, the end user can improve the video parameters by simply updating the configuration parameters of the unit. This way the MediaRacer1001 based solution "grows" with the customer's budget, hence greatly reducing the total life cost of the installation.



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Features

- Direct attachment integrating multiple video and data monitoring devices.
- Remote bandwidth control from the MAVIEW (MAVIX's Management SW) station of up to 8Mbps.
- Dynamic SW adjustment of video compression parameters enables to fit specific resolution and motion requirements to the application.
- Video advanced compression executed by dedicated hardware providing real time, full motion - high video quality (PAL/NTSC).
- Multicast video capability - same camera can be viewed on several monitors, over the network.
- ABC - MAVIX unique technology offers a build-in Automatic Bandwidth Control algorithm that will control the bandwidth consumption of the unit in relation to the actual information been compressed, digitized and transmitted over the network. The algorithm is listed as a patent by MAVIX Ltd.
- Pre & post alarm ready (cyclic buffered recording) for event triggering, per camera and per event.
- Support of multiple interfaces as RS232, RS485, Discrete I/O.
- A 50 MIPS processor with enough processing power to deal with advanced features such as VMD.
- Automatic link set-up without the presence of a management entity (Point to Point).
- High quality video at full CCIR601 resolution with extremely low latency, suitable for mission critical applications.
- Unique capability of a Virtual Transparent Serial connection over the network between any serial interface of a Camera MediaRacer1001 to a Monitor MediaRacer1001 enabling integration with 3rd party devices.

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Product Specifications

MediaRacer 1001

Video Interface

Coding Algorithm	WAVELET Up to 8Mbps
Formats	PAL or NTSC
Resolution	CCIR 601 (full PAL or NTSC)
Frame Rate	1/4 fps up to full, dynamically set
Input	Form Composite Impedance 75Ω Level 1 Vpp
Output	Form Composite Impedance 75Ω Level 1 Vpp
Connector	1 BNC input

Network Interface

IEEE 802.3/802.3U Ethernet/Fast Ethernet (Auto Sense)	RJ-45
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Device Interface

RS-232	RJ45
RS-485	RJ45
Discrete I/O	(Software Setup) 2 inputs/outputs via block terminal

Physical Characteristics

Dimensions (WxHxD)	19.5x2.8x14 cm (7.67" x1.1" x5.51")
Weight	0.5 Kgs

Electrical Characteristics

Voltage Full Auto Range (+/- 10%)	100-230 VAC
Frequency	47 - 63Hz
Power Consumption	11W

Environment

Operating Temperature	0° to 40°C (32 to 104F)
Storage Temperature	-10° to 65°C (14 to 149F)
Operating Humidity	5% to 95% (Non-Condensing)

Certifications

Safety	IEC 950 (EN 60950) UL 1950 CSA C22.2 No. 220 TUV
Electromagnetic Interference (EMI) FCC, CE, VCCI	

MediaRacer1001 Characteristics:

Video	One composite video input port or One video output
RS232	One port
RS485	One port
Discrete I/O	2 x on/off optoisolated inputs/outputs

Ordering Information:

Name	P/N	Description
MediaRacer1001/C/E	MXR03	Camera side Ethernet/Fast Ethernet connection
MediaRacer1001/M/E	MXR04	Monitor side Ethernet/Fast Ethernet connection

