

# razberi™ M Series

Integrated Network Video Recorders



## Summary

The razberi™ M Series dramatically simplifies and reduces the costs of megapixel video deployment. The razberi™ plug-and-play operation enables installers with minimal network expertise to deploy an IP video system in the same or less time required for a traditional DVR and analog camera deployment.

The razberi™ M Series combines the functions of a network video recorder, high powered Ethernet switch, and video management software with “auto setup” features into a single device. The razberi™ automatically provides power (high PoE) and IP addresses, configures cameras for motion detection, and automatically begins recording. For smaller systems, there is no need for installers to source switches, routers, software, and servers. Installers can use multiple razberi™ units within a network to build large systems over long distances with fiber optics using the built-in SFP Combo Uplink Ports.

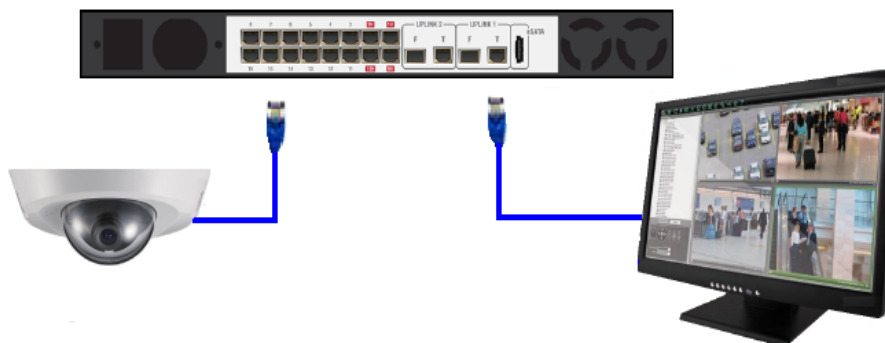
The easy-to-use razberi™ software offers digital zoom, camera tours, PTZ control, and intelligent video searches to quickly retrieve recorded events through thumbnail and event searches. There is no software licensing. Automatic software updates offer new software features over the web.

## Features

- Embedded PoE Switch (4 and 16 port)
- Gigabit Uplink port – RJ45
- Gigabit Uplink port – SFP Combo
- e-SATA port for external storage
- hPoE support
- Easy and automated installation
- H.264 Recording at Megapixel resolutions
- Auto camera discovery
- Auto camera configuration
- Embedded Operating System
- 3 Year Warranty on hardware and software

## Simpler than a DVR - Just plug in the camera, and razberi™ does the rest!

- Camera is powered
- Camera receives IP address
- Camera is configured to a default quality profile
- Camera is configured for motion detection
- Camera is configured for motion recording



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More information is available at [www.razberi.net](http://www.razberi.net).  
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## Specifications

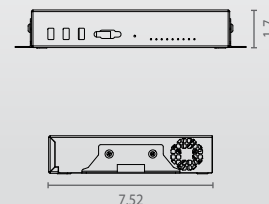
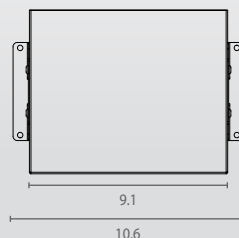
Hardware		RAZ-M4	RAZ-M16
Network Ports	Autosensing Switch Ports	4 x 10/100 Mbps PoE	16 x 10/100 Mbps PoE
	Autosensing Uplink Ports	1 x 10/100/1000 Mbps	2 x 10/100/1000 Mbps
		1 x 10/100/1000 Mbps SFP	2 x 10/100/1000 Mbps SFP
Power over Ethernet (PoE)	IEEE 802.3af	4 Ports	16 Ports
	IEEE 802.3at	1 Port	4 Ports
Power Budget on PoE Ports	Total	46.5W	149W
Storage	Internal	1 x 2.5" SATA HDD	2 x 3.5" SATA HDD
	External	1 x eSATA Port	1 x eSATA Port
Display Ports	VGA*	1 x D-Sub 15 pin	1 x D-Sub 15 pin
USB Ports		3x	3x
Power	Internal	48VDC (included)	100-240VAC
	External		
Regulatory	FCC Class A	✓	✓
Environmental	Operating Temperature	0-60°C	0-60°C
Dimensions	L x W x H (in.)	9 x 7.4 x 1.75	16.9 x 16.2 x 1.75
Mounting (accessory included)	Rack Mountable	-	✓
	Surface Mountable	✓	-
Warranty		3 Years Parts and Labor	3 Years Parts and Labor
Software			
Frame Rate	Up to 30 fps (Camera Dependent)		
Minimum System Requirements	OS: Windows 7 Pro, XP Pro SP3, 3.x GHz Intel i3 Processor (Intel i5/i7 preferred for larger simultaneous display of MP cameras), 3 GB RAM, 1280 x 1024 or higher resolution display, Graphics card with Full DirectX 9.0 hardware acceleration and onboard video memory 512MB or higher, Ethernet 10/100/1000 Network Interface Card / Port, 1 GB Hard drive space		
Audio/Video Recording	H.264, MPEG-4, MJPEG (Camera Dependent)		
Resolution	CIF, 2CIF, 4CIF, D1, MegaPixel (Camera Dependent)		
Software	Software included, Web-based Configuration, Firmware upgradable through network, Software updates automated through Internet		
Remote Access	Viewing and playback using RTCP for bandwidth control		
Live Video Monitoring	Remote monitoring through intuitive graphical user interface; Camera tours		
Digital Zoom	Live and Recorded Playback Zoom		
PTZ Support	Mouse and Joystick support for supported PTZ Cameras		
Alarm Recording	Recording on any camera triggered event; motion and contact closures		
Scheduled Recording	Individual schedules for each camera		
Playback	Streamed video playback at fast forward, reverse, frame-by-frame		
Video Search	Intelligent searches by event and time/date/camera		
Video Clip Export	"One-click" video export to CD/DVD in Windows Media Format		
Unattended Camera Configuration	Automatic discovery and configuration of network cameras and encoders		
Security	Multiple user access levels with password protection		
Video Streaming	RTSP, RTCP, RTP		
Network Protocols	Static and Dynamic Routing with TCP/IP, VPN pass-through (IPSec, L2TP), UDP, PPTP, PPPoE, DNS, DHCP (client and server)		
Supported Devices	ACTi, Arecont, autoIP, Axis, razberi™, Samsung, Sony Visit <a href="http://www.razberi.net">www.razberi.net</a> for a complete list of integrated devices.		

\*The single camera output is for administration and setup. A separate PC is recommended when simultaneously viewing more than one camera.

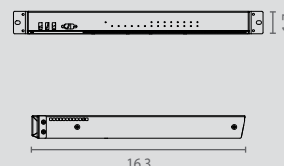
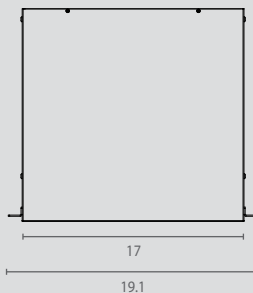
## Dimensions (unit : in)

Top/Side View

4 Channel



16 Channel



Certified



## Model Numbers

- RAZ-M4 (4 port, 500 GB)
- RAZ-M16-2T (16 port, 2 TB)
- RAZ-M16-4T (16 port, 4 TB)
- RAZ-M16-6T (16 port, 6 TB)

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