

IP CAMERA

The Urmet Domus IP cameras uses a digital module which includes a video encoder with a new TI Davinci processor (proprietary codec H.264) and network interface, inserted inside the cameras themselves.

These cameras are suitable for used in small-to-medium systems and systems using NVM PLUS management and centralisation software.

Flexibility, scalability, versatility and system cost-effectiveness are the main advantages of the new Urmet Domus IP cameras in a CCTV system.


The range is completed with the introduction of the new IP 1093/081HP and 1093/081HW cameras equipped with PoE and wireless integrated power supply.



1093/081S



1093/081M

 **1093/081S** IP H.264 camera - 420TVL resolution

 **1093/081M** IP H.264 camera - 420TVL resolution

new **1093/081HP** IP camera, H 264, 540 TVL resolution, recording at 25 fps with 4CIF resolution per video channel, CIF/DCIF/2CIF/CIF/QCIF real time, PoE power supply

new **1093/081HW** IP camera, H 264, 540 TVL resolution, recording at 25 fps with 4CIF resolution per video channel, 4CIF/DCIF/2CIF/CIF/QCIF real time, integrated wireless



IP CAMERA COMPARISON TABLE

	1093/081S	1093/081M	1093/081HP	1093/081HW
Analogue video resol.	420TVL	480TVL	540TVL	
Camera Sensor	1/3" Sony Super HAD			
Minimum light	0.2lux/F1.2			
Autoiris	DC-Driver			
Lens attachment	C/CS			
Comp. video inputs	1 BNC			
Comp. video inputs (for calibration)	1 BNC			
Audio inputs	1 Jack			
Audio outputs	1 Jack			
Frame rate	25fps			
Compression resolution	4CIF/DCIF/2CIF/CIF/QCIF		4CIF/DCIF/2CIF/CIF/QCIF real time	
Viewing	Web browser IE, SW client, mobile phone or PDA			
Compression algorithm	H.264			
Streaming type	Video or Audio & Video			
Audio compression	OggVorbis 16 Kbps			
Bit rate	32Kbps~2Mbps (self-defined)			
Communication ports	1 port RJ45 10/100M UTP per network / 1 port RJ45 RS232		1 port RJ45 10/100M UTP per network	
Motion detector		•		
VoIP		•		
Watermark		•		
Alarm inputs/outputs	1 input / 1 relay output			
Supported protocols	TCP/UDP/RTP/MULTICAST/DHCP/PPPoE and HTTP			
Dual-stream function		•		
Viewing on mobile phone or PDA		•		
PoE (803.AF standard)	-		•	-
Wireless		-		802.11g
Integrated web browser		•		
SD-CARD slot		• SD-Card slot (not included)		
Weight	600			
Operating temperature range	-10°C ~ +55°C			
Power	12Vcc - consumption 350mA (recommended power supply 1092/800)			

• Yes.

MEGAPIXEL CAMERAS **new**

The new IP Megapixel camera series mainly consists of two types of products with a different application approach and similar performance.

Characterised by a 1/3" progressive scan sensor with 1.3 Megapixel resolution, Day & Night functions using IR Cut filter for professional, optimal managing of lighting conditions, Autoiris input for using autoiris lenses, Dual Stream function for independent management of recorded video and transmitted video flows on network and optimal bandwidth management, codec H.264, high capacity SD memory medium for local recordings (programmed and alarmed) the new IP Megapixel cameras are perfect for use in systems with management/centralisation SW and NVMplus storage.

Additional functions, such as E-PTZ (virtual Pan-Tilt-Zoom on CCD), PoE (Power over Ethernet), VOIP (Voice over IP) and simple, user-friendly OSD menu, flexibility, scalability and cost-effectiveness are the main advantages of the new IP Megapixel range.



1093/181M11

 1093/181M11 IP D/N camera, H 264, 1.3 Megapixel, recording at 25 fps with HD720p resolution (1280x720) Power 12Vdc/24Vac

1093/182M11 IP D/N mini dome, vandal-proof camera, H 264, 1.3 Megapixel, recording at 25 fps with HD720p resolution (1280x720) Power 12Vdc/24Vac

MEGAPIXEL CAMERA COMPARISON TABLE

	1093/181M11	1093/182M11
Max. analogue video resolution	1280 (H) × 960 (V), 1.3M CCD	
Camera Sensor	1/3' SONY progressive scan CCD	
Minimum light	Colour: 0.1Lux @ F1.2 - B/W: 0.01Lux @ F1.2	
Auto-iris	DC Drive or Video Drive	3.3-12mm / Auto Iris lens
Day/Night	ICR	
Lens attachment	C / CS mount	-
Comp. video inputs	-	
Comp. video inputs (for calibration)	1Vp-p composite output (75Ω/BNC)	1Vp-p composite output (75Ω/BNC)
Audio inputs	1 channel 3.5mm audio interface (2.0 ~ 2.4Vp-p, 1kΩ)	
Audio outputs	1 channel 3.5mm audio interface audio (Line level, 600Ω)	
Compression resol.	H.264	
Registration resolution	1280 × 960 (UXGA) / 1280 × 720 (HD720p) / 640 × 480 (VGA)	
Recording speed	12.5fps (1280 × 960) / 25fps (1280 × 720) / 25fps (640 × 480)	
Viewing	PC full screen	
Streaming type	Video / Video & Audio	
Audio compression	OggVorbis	
Bit rate	32 K ~ 2M, adjustable (max. 8Mbps)	
Communication ports	1 RJ45 10M / 100M self-adaptive Ethernet port and 1 RS-485 interface	
Motion detector	●	
VoIP	●	
Watermark	-	
Alarm inputs/outputs	1 input/1 output	
Supported protocols	TCP/IP,DHCP,DNS,RTP, PPPoE	
Sub-stream function	●	
Viewing on mobile phone or PDA	●	
PoE (803.AF standard)	●	
Integrated web browser/client software	●	
SD-CARD slot	●	
ePTZ	●	-
Weight	600	1400
Dimensions (mm)	68.5 (W) × 63 (D) × 157.5 (H)	Ø 156 × 134.5
Operating temperature range	-10°C ~ 60°C	
Power	AC24V / DC12V, PoE (Power over Ethernet)	

● Yes.

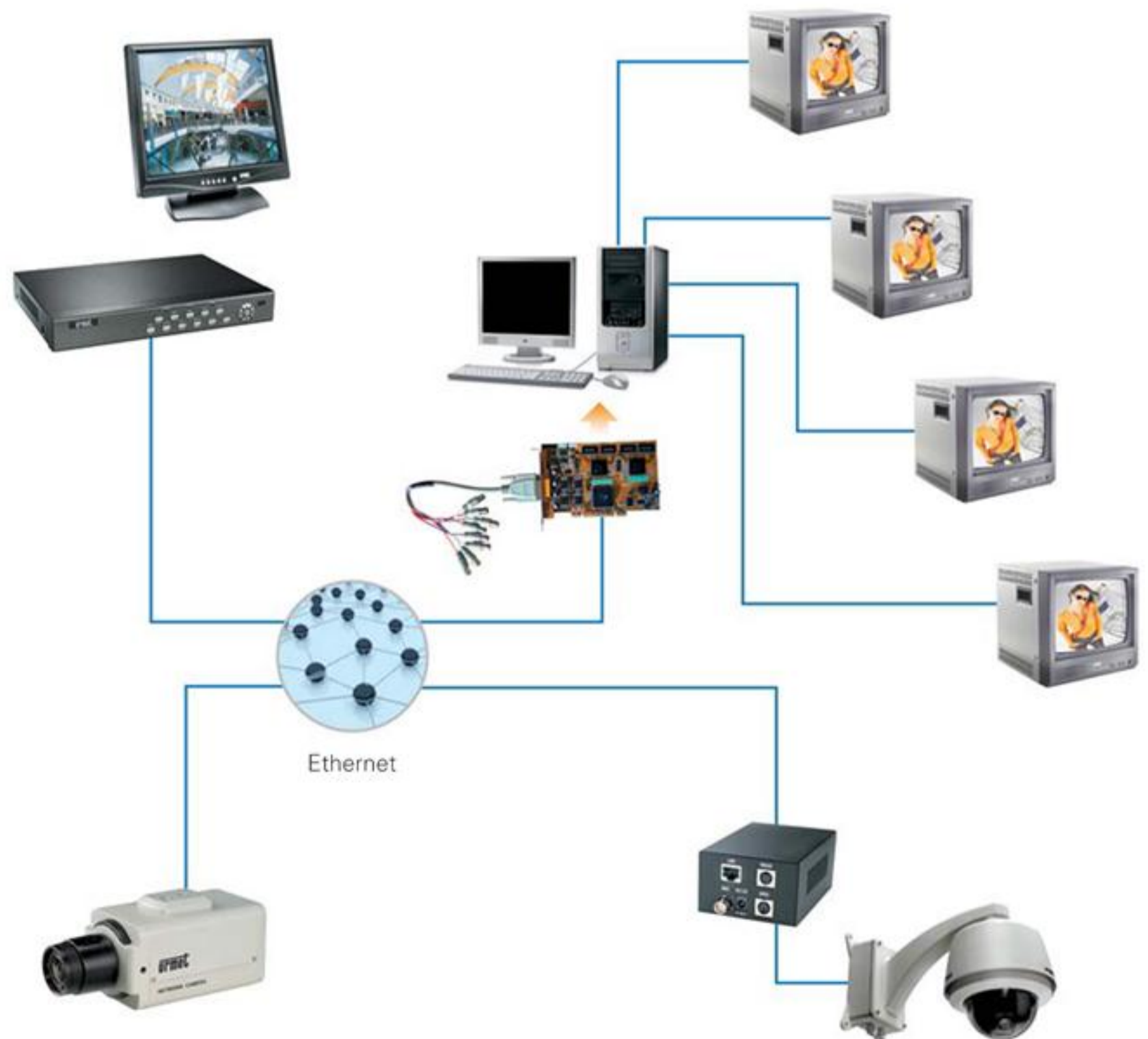
PC CARDS

1093/200

Matrix Board 4 video outputs

The PC Matrix Decode Board can be used to create digital and video and LAN network matrixes. Installed on a common PC, it is capable of decoding up to 8 H.264 audio/video streams from various sources (DVR, DVS and Urmet Domus IP Camera) via network.

- 4 BNC video outputs (1.0Vp-p, 75 Ω)
- 4 BNC audio outputs (linear output 600 Ω)
- Consumption 7.5W
- Frame rate: 25fps
- Decoding capacity 4 Ch / 4CIF or 8 Ch / DCIF-2CIF-CIF-realtime
- Working temperature range: -10°C +50°C
- Minimum system requirements:
- Operating system: Windows2000/XP/Server2003
- CPU: Intel series
- Motherboard: Intel 845 / 865 /915/925/945 Chipset
- RAM: 512MB or higher
- Video board:
- NVIDIA GeForce Mx400/440/4000 or higher
- FX 5200/5600 GeForce 6600 or higher
- ATI Radeon 7000/7500/8500/9000/9200/9550/9600 or higher
- ATI X300/X550/X700/X1300/X1600 or higher
- Intel 845G/865G/915G integrated Graphics Controller



CONTROL SOFTWARE

The versatility of a solution **new**

Video centralisation software

A system in its most generic form is a complex, given set of various functional elements, connected together to form an organic, characteristic whole. When a number of video camera and management devices are introduced in a specific installation and the video stream needs to be viewed from one or more, both local and remote stations, one can certainly speak of a video surveillance system. An interesting aspect of such systems is in the possibility of centralising the streams to reduce the costs of local control rooms and optimise the operability, attention and efficiency of the operators.

Unquestionably, in order to reach this result, the system must be designed with great care, devoting consideration to the choice of devices and corresponding accessories. The control area must be rationally designed establishing which and how many additional devices are needed. The highest contribution (in terms of resulting performance) for video centralisation is certain given by centralisation software. The main features of the two centralisation software types are illustrated below: the first is suitable for medium systems and the second is dedicated to large systems.



SW NVM (Network Video control) for medium sized system centralisation

This system can be used to centralise various video devices on a single software platform. The intelligent management of alarms using interactive multi-level graphic maps extends the advanced video surveillance management capabilities, as well as remote alarm supervision options.

- Surveillance system over IP
- Advanced multi-screen (up to 100 video streams which can be displayed at the same time)
- Two-way audio connections.
- Integrated chat for communications between operators in various stations
- Multiple users, multiple rights
- Cameras managed in groups
- PTZ control interface
- Interactive graphic maps for:
 - Navigation
 - Automatic pop-up in case of alarm
- Sensor and actuator management
- Channel sequence cycles
- Playback and saving recordings on remote DVR to PC
- Total management of installed hardware configuration parameters
- Easy Dome management/configuration
- Possibility of recording displayed video channels directly on PC

NVM PLUS control software

NVMS (Network Video control Software) for centralising large systems.

NVM PLUS software is designed for professional applications and for managing and centralising CCTV system video in medium-to-large size CCTV systems. It consists of a Client module for managing/monitoring the entire system, for direct viewing (max. 64 video streams can be viewed at the same time) or viewing via interactive graphic maps. The NVM PLUS software also comprises three major video streaming control-distribution-recording modules: Streaming Server and Storage Server. NVM PLUS software is characterised by its functions, its scalability, its easy use and the possibility of integrating multibrand components and systems (which solution must be evaluated on the basis of specific system needs).

- Surveillance system over IP
- Up to 64 video streams displayed at the same time.
- Multi-screen viewing types
- Two-way audio connection via network (VOIP)
- Integrated chat: for communications between operators in various stations
- Multiple users, multiple rights
- Cameras managed in groups
- Control interface/speed dome management
- Interactive graphic maps for:
 - Navigation
 - Automatic pop-up in case of alarm

NVM PLUS control software

- Sensor and actuator management
- Instant playback function for immediately viewing alarm events
- Playback and saving of recordings to PC present on remote device memory medium (DVR, DVS and IP cameras)
- Full management of installed device configuration parameters
- Compatibility with Matrix Decode Board devices (for advanced management in virtual matrix mode)
- Media Streaming Server module for displaying the video streams from several stations via Internet connection at the same time
- Storage Server module for recording video streams (viewed and not) to dedicated server
- Dual Monitor viewing
- Channel sequence cycles

Further information

The NVM PLUS software consists of two software modules: Streaming server and Storage Server. The main features of these modules are described below.

Streaming Server

The Streaming Server module is useful for reducing the number of network connections directed to the video recording device which various operators can access at the same time.

Storage Server

The Storage Server module is useful for recording a programmable list of video streams from the system on dedicated servers.

