



DIGITAL VIDEO RECORDERS AND IP SOLUTIONS



DVR **new**



Video Server



Solutions and IP cameras
Megapixel cameras **new**

- Integrated professional solutions
- **new** DVR Hybrid: maximum compatibility with analogue and digital systems and IT system management
- New NVM and NVM plus control and monitoring software. Complete professional solutions for centralised video control

A perfectly integrated range of products (DVR, video servers and IP cameras) for medium and large-sized systems.

Urmet devices guarantee the best features for working in control rooms with centralised video viewing and recording on a network.

These Urmet devices are the best and most innovative for the purpose: the resulting solutions use a single supervision client software for managing and controlling various types of devices (DVR, video server and IP cameras). All components are mutually compatible.

URMET: integrated professional solutions.



DIGITAL VIDEO RECORDERS



1093/004

New Dynamic DVR: simple and functionality

1093/004 **new** NEW DYNAMIC digital video recorder

State-of-the-art functions and simple use at an extremely low cost.

The H.264 compression algorithm allows recording in continuous, alarm or motion detection mode, up to 25 fps (CIF) or 6 fps (D1) per video channel.

The triple-stream function optimises bandwidth for perfect video/frame rate quality and simultaneous LAN - WAN and WAN connections to PDA. Simplified menu, easy web management, SW (included) for displaying pictures on mobile phone, PDA or i-Phone: these are only some of the features which make the New Dynamic DVR a versatile element in small-sized systems (shops and homes).

MAIN CHARACTERISTICS

| | 1093/004 |
|--------------------------------|--|
| Composite video inputs | 4 |
| Video outputs | 2 BNC |
| Spot output | NO |
| VGA outputs | • |
| Audio inputs | 4 |
| Audio outputs | 1 |
| Viewing | Full screen and multi screen |
| Recording speed | 25 fps per video channel (CIF) and 6 fps per video channel (D1) |
| Recording resolution | D1/HD1/CIF |
| Recording mode | Continuous, Motion detector, Programmed or Alarmed |
| Compression algorithm | H.264 |
| Audio compression algorithm | ADPCM |
| Motion detector | • |
| VoIP | NO |
| Watermark | NO |
| Digital playback zoom | NO |
| Alarm inputs/outputs | 4 inputs / 1 output |
| Supported protocols | TCP/UDP |
| Triple-stream function | • |
| Display on mobile phone or PDA | • (Compatible Windows Mobile, Symbian, iPhone) |
| Integrated web browser | • |
| Integrated DVD writer | NO |
| Hard disk | 1 Hard Disk SATA included |
| USB ports | 2 |
| USB port for backup | • (on USB stick, USB Hard Disk, USB CD-RW and DVD-RW) |
| PTZ camera control | • (Pelco D protocol) |
| On-display menu | • |
| Management | Controlled by USB mouse, IR remote control |
| Dimensions (W x D x H) mm | 340 x 220 x 50 |
| Power | 12Vdc (power supply 12Vdc - 100~240Vac included) - Consumption 30W max |

• Yes.

DIGITAL VIDEO RECORDERS AND IP SOLUTIONS

Revolution-SVN series DVR **new**


Manifestly, DVR-DVS means the device was designed to offer the professional functions of a Digital Video Recorder specifically on a Digital Video Server network.

The H.264 compression algorithm makes the new DVR 1093/061SVN suitable for use in applications in which recording quality, recording time, frame rates and network functions must be top class at all times.

The new DVR 1093/061SVN is a versatile, effective device for small systems. It is equipped with a high-resolution VGA output, a new front panel, 4 video inputs, 2 video outputs (1 multi-screen + 1 spot), HD SATA (standard), 25 fps CIF resolution per video channel for recording, USB 2.0 for back-up and accessories (DVD, mouse), standard mouse for advanced management control (including control of PTZ devices with Pelco-D protocol), DVR management/control using client software (included) and/or Browser, Sub Stream function, video channel display on mobile phone or PDA.



1093/061SVN

 **1093/061SVN** 4 channel digital video recorder with USB and LAN; audio; TI Davinci processor (proprietary technology H.264 codec), 4CIF.





MAIN CHARACTERISTICS

| | 1093/061SVN |
|--|---|
| Composite video inputs | 4 |
| Main output | 1 BNC |
| Spot output | 1 BNC analogue |
| VGA outputs | 1 (High-resolution) |
| Audio inputs | 1 |
| Audio outputs | 1 |
| Viewing | Full screen and multi screen (main) / selectable full screen (SPOT) |
| Recording speed | 4CIF/DCIF/2CIF/CIF/QCIF |
| Recording resolution | CIF/QCIF real-time / 4CIF/DCIF/2CIF non real time |
| Recording mode | Manual/Continuous, Motion detector, Programmed or Alarmed |
| Compression algorithm | H.264 |
| Audio compression algorithm | OggVorbis 16 Kbps |
| Motion detector | • |
| Event Encoding | • |
| Email on event with attached images | • |
| PLUG & PLAY configuration | • |
| VoIP | • |
| Watermark | • |
| Digital playback and Live zoom | • |
| Alarm inputs/outputs | 4 inputs / 1 output |
| Supported protocols | TCP/UDP/RTP/MULTICAST and NTP |
| Triple-stream function | • (real time) |
| Display on mobile phone or PDA | • (Compatible Windows Mobile, Symbian) |
| Integrated web browser/Client Software | • |
| Integrated DVD writer | - |
| Hard disk | 1 Hard Disk SATA included |
| USB ports | • (for back-up to USB stick, USB Hard Disk, USB CD-RW and DVD-RW) |
| PTZ camera control | • (Pelco D protocol) |
| On-display menu | • |
| Control by means of mouse | • |
| System keyboard | - |
| IR remote control | • |
| Dimensions (W x D x H) mm | 315 x 230 x 45 |
| Power | 12Vcc (power supply 12Vcc-100~240Vca included) Consumption 40W max |

• Yes.

System-SN series DVR **new**

The DVR-DVS System-SN series is a range of professional devices for video recording and remote and local video surveillance. Based on IP technology (hence the name DVS Digital Video Server), System DVR-DVS devices use native data transmission networks. With very high professional performance, such as optimised frame rate (25 frames per second for each video channel according to the set resolution) and Main Stream/Sub Stream functions for improved use of the available network transmission bandwidth, the System DVR-DVS range has new functions which make it even more versatile. New, simplified OSD menu, advanced Web interface, case with front panel and extractable hard disk, RAID 1 function for mirroring to dedicated HD. Control of DVR, Easy Dome II, III and Thera using USB mouse included.

COMMON SYSTEM-SN SERIES FEATURES

- Full screen and multi-screen display
 - Selectable recording speed
 - Recording mode: continuous, motion detector, programmed or alarm
 - H.264 video compression
 - Motion Detector
 - Remote recording back-up via TCP/IP
 - RS485 communication port
 - RS232 communication port
 - Communication port for control panel interface
 - RJ45 10/100M UTP network interface (at least)
 - DVD WRITER back-up (if provided) and 3 USB 2.0 ports
 - PLUG & PLAY configuration
 - 1 high-resolution VGA output
 - Bit rate frequency: 32Kbps~2048Kbps or customised by user
 - 1 HDD included
 - Max. supported capacity for each HDD SATA installable in DVR equal to 2TB
 - Possibility of connecting up to 4 internal HDD (for versions provided with DVD WRITER)
 - Possibility of connecting up to 8 internal HDD (for versions provided with DVD WRITER)
 - Front panel with lock and key
 - Easily insertable hard disk from front panel without opening the device case
 - Possibility of redundant recordings on several hard disks (RAID 1)
 - Digital Zoom Live and Playback
 - Synchronised 8/16 channel playback at the same time 4CIF/DCIF/2CIF/CIF/QCIF
 - Possibility of reading and writing data to USB memory stick
 - Possibility of recording events (Event Encoding) at different resolutions/frame rates with respect to programmed settings
 - Email to event with possibility of attaching pictures
 - NTP Server
 - Front control panel
 - Compatible with Easy Dome (II and III) and Thera
 - NVM PLUS client software included
 - Simplified on-display screen menu with advanced submenus
 - 230Vac power
 - 40W max. consumption (without HDD)
 - Dimensions 470 (W) x 441 (H) x 90 (D) mm
-



1093/040SN

System-SN series DVR **new**

-
- 1093/040SN** Digital 8-channel video recorder with USB and LAN, Looping, H264 4CIF/QCIF compression
- 8 video composite inputs
 - 8 audio inputs
 - 8 video composite loop-through outputs
 - 2 composite video outputs (MAIN and SPOT)/1 VGA high definition
 - Recording resolution: 704 X 576 4CIF, 528 x 384 DCIF
704 x 288 2CIF, 352 x 288 CIF, 176 x 144 QCIF
 - Recording: 200 fps total in CIF/QCIF and 128fps total in 2CIF and 64fps total in 4CIF/DCIF
 - 16 alarm inputs, 1 relay alarm output
-
- 1093/041SN** Digital 16-channel video recorder with USB and LAN, Looping, H264 4CIF/QCIF compression
- 16 video composite inputs
 - 16 audio inputs
 - 16 video composite loop-through outputs
 - 2 composite video outputs (MAIN and SPOT)/1 VGA high definition
 - Recording resolution: 704 x 576 4CIF, 704 x 288 2CIF, 352 x 288 CIF, 176 x 144 QCIF
 - Recording: 400 fps total in CIF/QCIF and 192fps total in 2CIF and 32fps in total 4CIF/DCIF
 - 16 alarm inputs, 1 relay alarm output
-
- 1093/044SN** Digital 16-channel video recorder with USB and LAN, Looping, H264 4CIF/QCIF compression
- 16 video composite inputs
 - 16 audio inputs
 - 16 video composite loop-through outputs
 - 2 composite video outputs (MAIN and SPOT)/1 VGA high definition
 - Recording resolution: 704 x 576 4CIF, 704 x 288 2CIF, 352 x 288 CIF, 176 x 144 QCIF
 - Recording: 400 fps total in 2CIF/CIF/QCIF and 192fps total in 4CIF/DCIF
 - 16 alarm inputs, 1 relay alarm output
-
- 1093/045SN** Digital 16-channel video recorder with USB and LAN, Looping, H264 4CIF/QCIF compression
- 16 video composite inputs
 - 16 audio inputs
 - 16 video composite loop-through outputs
 - 2 composite digital independent video outputs (MAIN and SPOT)/1 VGA high definition
 - Recording resolution: 704 X 576 4CIF, 528 x 384 DCIF
704 x 288 2CIF, 352 x 288 CIF, 176 x 144 QCIF
 - Recording: 400 fps total in 2CIF/CIF/QCIF and 192fps total in 4CIF/DCIF
 - 16 alarm inputs, 1 relay alarm output
 - Gigabit network board
-

System-SN series DVR **new**

1093/048SN Digital 8-channel video recorder with USB and LAN, Looping, H264 4CIF/QCIF compression

- 8 video composite inputs
 - 8 audio inputs
 - 8 video composite loop-through outputs
 - 2 composite video outputs (MAIN and SPOT)/1 VGA high definition
 - Recording resolution: 704 X 576 4CIF, 528 x 384 DCIF
704 x 288 2CIF, 352 x 288 CIF, 176 x 144 QCIF
 - Recording: at 200 fps total in 4CIF/DCIF/2CIF/CIF/QCIF
 - 16 alarm inputs, 1 relay alarm output
-

1093/049SN Digital 16-channel video recorder with USB and LAN, Looping, H264 4CIF/QCIF compression

- 16 video composite inputs
 - 16 audio inputs
 - 16 video composite loop-through outputs
 - 2 composite video outputs (MAIN and SPOT)/1 VGA high definition
 - Recording resolution: 704 X 576 4CIF, 528 x 384 DCIF
704 x 288 2CIF, 352 x 288 CIF, 176 x 144 QCIF
 - Recording: at 400 fps total in 4CIF/DCIF/2CIF/CIF/QCIF
 - 16 alarm inputs, 1 relay alarm output
-



SYSTEM SN DVR COMPARISON TABLE

| | 1093/040SN | 1093/041SN | 1093/044SN | 1093/045SN | 1093/048SN | 1093/049SN |
|--|--|--------------------|---|--|--|------------|
| Comp. video inputs | 8 | 16 | 16 | 16 | 8 | 16 |
| Loop-through | 8 | 16 | 16 | 16 | 8 | 16 |
| Main output | 1 BNC / 1 VGA high definition | | | | | |
| Spot output | 1 BNC | | | | | |
| Audio inputs | 8 | 16 | 16 | 16 | 8 | 16 |
| Audio outputs | 1 BNC | | | 2 BNC | 1 BNC | |
| RJ45 network interface | 10/100 Mbps | | | 10/100/1000 Mbps | 10/100 Mbps | |
| Viewing | Full screen and multi screen (main) selectable full screen (SPOT) | | | Full screen and multi screen (main and SPOT) | Full screen ref. Multi screen ref. (main) Selectable full screen ref. (SPOT) | |
| Recording resolution | 4CIF/DCIF/2CIF/CIF/QCIF | 4CIF/2CIF/CIF/QCIF | | 4CIF/DCIF/2CIF/CIF/QCIF | | |
| Recording speed | CIF/QCIF real-time 4CIF/2CIF non real time | | 2CIF/CIF/QCIF real-time 4CIF non real time | | 4CIF/DCIF/2CIF/CIF/QCIF real time | |
| Recording mode | Manual/Continuous, Motion detector, Programmed or Alarmed | | | | | |
| Compression algorithm | H.264 | | | | | |
| Audio compression | OggVorbis 16 Kbps | | | | | |
| Bit rate | 32Kbps~1024Kbps or defined by user | | | 32Kbps~2048Kbps or defined by user | | |
| Motion detector | • | | | | | |
| Event Encoding | • | | | | | |
| VoIP | • | | | | | |
| Watermark | • | | | | | |
| Synchronised playback | • | | | | | |
| USB port management | • | | | | | |
| Live and playback digital zoom | • | | | | | |
| Alarm inputs/outputs | 16 inputs / 4 output | | | | | |
| Supported protocols | TCP/UDP/RTP/MULTICAST and NTP | | | | | |
| Sub-stream function | • | | | | | |
| Viewing on mobile phone or PDA | • | | | | | |
| Integrated web browser/client Software | • | | | | | |
| Email on event with attached images | • | | | | | |
| Integrated DVD WRITER | Optional | | | | • | |
| Hard disk | 1 SATA hard disk included (expandable to 8 hard disks without DVD writer) | | | | 1 SATA HD included (expandable to 4 HD, with DVD writer) | |
| HD extract. from front panel | • | | | | | |
| Multiple HD recordings | • (RAID 1) | | | | | |
| USB port | • (for back-up to USB stick, USB Hard Disk, USB CD-RW and DVD-RW) | | | | | |
| PTZ camera control | • (Pelco D protocol) | | | | | |
| On-display menu | • | | | | | |
| Control by means of mouse | • | | | | | |
| System keyboard | • | | | | | |
| IR remote control | NO | | | | | |
| Dimensions | 470 x 441 x 90 | | | | | |
| Power | 230Vca | | | | | |

• Yes.

Evolution-SN DVR series **new**

IP-based, the new Evolution-SN range includes 4, 8 and 16 video input devices and employs native network data transmission. Images and supervision functions are displayed on a local monitor, on browser interface or using proprietary Client software provided with the DVR for full device control. Functions include Motion detector, Privacy Zone, Video Loss. Brilliant video stream transmission via LAN or WAN, use of H.264 compression algorithm (the most innovative and high performing codec for video compression) contribute to enhance the global features of a new DVR range specifically designed for installations in which cost-effectiveness and top-class performances are crucial. The new EVOLUTION-SN series is provided with a new case and front panel. It implement the real-time Sub Stream function for displaying video channels on mobile phone or PDA and controlling DVR from control panel.

EVOLUTION-SN SERIES COMMON FEATURES **new**

- Full screen and multi-screen display
 - Selectable recording speed
 - Recording mode: continuous, motion detector, programmed or alarm
 - Video compression H264
 - Recording at 25 fps CIF resolution per video channel
 - Motion Detector
 - Remote recording back-up via TCP/IP
 - RS485 communication port
 - RS232 communication port
 - Communication port for control panel interface
 - RJ45 10/100M UTP network interface
 - DVD writer back-up (if provided) and 2 USB 2.0 ports
 - PLUG & PLAY configuration
 - 1 high-resolution VGA output
 - Bit rate frequency: 32Kbps~2048Kbps or customised by user
 - 1 HDD included
 - Max. supported capacity for each HDD SATA installable in DVR equal to 2TB
 - Possibility of connecting up to 4 HDD internal (without DVD writer)
 - Possibility of connecting up to 2 HDD internal (with DVD writer)
 - Possibility of redundant recordings on several hard disks (RAID 1)
 - Digital Zoom Live and Playback
 - Synchronised 8/16 channel playback at the same time 4CIF/DCIF/2CIF/CIF/QCIF resolution
 - Possibility of reading and writing data to USB memory stick
 - Possibility of recording events (Event Encoding) at different resolutions/frame rates with respect to programmed settings
 - NTP Server
 - Email to event with possibility of attaching pictures
 - Front control panel
 - Compatible with Easy Dome (II and III) and Thera
 - NVM PLUS client software included
 - DVR management from 1092/692 system control panel
 - Simplified on-display screen menu with advanced submenus
 - 230Vac power
 - 40W max. consumption (without HDD)
 - Dimensions 390 (W) x 440 (H) x 70 (D) mm
-



1093/064SN



1093/065SN



1093/066SN

Evolution-SN DVR series **new**

-
- 1093/064SN** Digital video recorder codec H.264, 4 channels with USB and LAN
- 4 video composite inputs
 - 4 audio inputs
 - 4 video composite loop-through outputs
 - 1 composite video outputs + SPOT / 1 VGA high definition
 - 4 audio inputs on RCA connectors / 1 audio output on RCA connector
 - Recording resolution: 704 x 576 4CIF, 704 x 288 2CIF, 352 x 288 CIF, 176 x 144 QCIF
 - Recording: 100 fps total in CIF/QCIF and 64fps total in 2CIF and 32fps in total 4CIF/DCIF
 - 16 alarm inputs, 1 relay alarm output
-
- 1093/065SN** Digital video recorder codec H.264, 8 channels with USB and LAN
- 8 video composite inputs
 - 4 audio inputs
 - 8 video composite loop-through outputs
 - 1 composite video outputs + SPOT / 1 VGA High-resolution
 - 4 audio inputs on RCA connectors / 1 audio output on RCA connector
 - Recording resolution: 704 x 576 4CIF, 704 x 288 2CIF, 352 x 288 CIF, 176 x 144 QCIF
 - Recording: 200 fps total in CIF/QCIF and 128fps total in 2CIF and 64fps in total 4CIF/DCIF
 - 16 alarm inputs, 1 relay alarm output
-
- 1093/066SN** Digital video recorder codec H.264, 16 channels with USB and LAN
- 16 video composite inputs
 - 4 audio inputs
 - 16 video composite loop-through outputs
 - 1 composite video outputs + SPOT / 1 VGA High-resolution
 - 4 audio inputs on RCA connectors / 1 audio output on RCA connector
 - Recording resolution: 704 x 576 4CIF, 704 x 288 2CIF, 352 x 288 CIF, 176 x 144 QCIF
 - Recording: 400 fps total in CIF/QCIF and 192fps total in 2CIF and 32fps in total 4CIF/DCIF
 - 16 alarm inputs, 1 relay alarm output
-

DIGITAL VIDEO RECORDERS AND IP SOLUTIONS

EVOLUTION SERIES COMPARISON TABLE

| | 1093/064SN | 1093/065SN | 1093/066SN |
|--|---|----------------------|-------------|
| Comp. video inputs | 4 | 8 | 16 |
| Loop-through | 4 | 8 | 16 |
| Main output | 1 BNC / 1 VGA high definition | | |
| Spot output | 1 BNC | | |
| Audio inputs | 4 RCA | | |
| Audio outputs | 1 RCA | | |
| Viewing | Full screen and multi screen (main) selectable full screen (SPOT) | | |
| Recording resolution | 4CIF/2CIF/CIF/QCIF | | |
| Recording speed | CIF/QCIF real-time / 4CIF/2CIF non real time | | |
| Recording mode | Manual/Continuous, Motion detector, Programmed or Alarmed | | |
| Compression algorithm | H.264 | | |
| Audio compression | OggVorbis 16 Kbps | | |
| Bit rate | 32Kbps~2048Kbps or defined by user | | |
| Motion detector | | • | |
| Event Encoding | | • | |
| VoIP | | • | |
| Watermark | | • | |
| Synchronised playback | 4 channels | 8 channels | 16 channels |
| USB port management | | • | |
| Live and playback digital zoom | | • | |
| Alarm inputs/outputs | 16 inputs/4 outputs | | |
| Supported protocols | TCP/UDP/RTP/MULTICAST and NTP | | |
| Sub-stream function | | • | |
| Viewing on mobile phone or PDA | | • | |
| Integrated web browser/client software | | • | |
| Email on event with attached images | | • | |
| Integrated DVD WRITER | | • | |
| Hard disk | 1 SATA hard disk included (expandable to 4 hard disks without DVD writer) (expandable to 2 hard disks with DVD writer) | | |
| Recordings on several hard disks | | • | |
| USB port | 2 (for back-up to USB stick, USB Hard Disk, USB CD-RW and DVD-RW) | | |
| PTZ camera control | | • (Pelco D protocol) | |
| On-display menu | | • | |
| Control by means of mouse | | • | |
| System keyboard | | • | |
| IR remote control | | • | |
| Dimensions (W x D x H) mm | 390 x 440 x 70 | | |
| Power | 230Vca | | |



IP SOLUTIONS

DVR Hybrid series **new**

The new Hybrid range consists of three devices (4Ch - 8Ch and 16 Ch video). Based on IP, Hybrid DVR use data transmission network in native mode allowing to manage and record at the same time from analogue camera, IP cameras and IP Megapixel cameras.

The new Hybrid range therefore allows scalability in converting analogue to digital systems and in new designs of digital only solutions with wide use of computer networks for managing, displaying and recording video streams. The high reliability of machines (of embedded and non embedded type, based on PC HW), system performance (capable of recording in 4CIF format at 25fps per video channel), possibility of setting up LAN ports capable of supporting Gbit networks, easy and intuitive management and configuration are only some of the features that the new Hybrid series offers to high-tech video surveillance systems.

COMMON FEATURES

- Full screen and multi-screen display
- Selectable recording speed
- Recording mode: continuous, motion detector, programmed or alarm
- H264 video compression based on DSP
- Motion Detector
- Remote recording back-up via TCP/IP
- RS485 communication port
- RS232 communication port
- Communication port for control panel interface
- RJ45 10/100/1000 Mbps network interface
- DVD writer back-up (if provided) and 3 USB 2.0 ports
- PLUG & PLAY configuration
- 1 high-resolution VGA output 1280X1024/60 Hz
- Bit rate frequency: 32Kbps~2048Kbps or customised by user (Max. 6144 Kbps)
- 1 HDD included
- Max. supported capacity for each HDD SATA installable in DVR equal to 2TB
- Front panel with lock and key
- 4 SATA for connecting up to 4 HDD (with DVD writer)
- 8 SATA for connecting up to 8 HDD (without DVD writer)
- Possibility of redundant recordings on several hard disks
- Digital Zoom Live and Playback
- Synchronised 8/16 channel playback at the same time HD720p/4CIF/DCIF/2CIF/CIF/QCIF resolution
- Possibility of reading and writing data to USB memory stick
- Possibility of recording events (Event Encoding) at different resolutions/frame rates with respect to programmed settings
- Email to event with possibility of attaching pictures
- NTP Server
- IP Finder integrated in software with possibility of adding IP Cameras
- Opening front control panel with lock and key
- Compatible with Easy Dome (II and III) and Thera
- NVM PLUS client software included
- Web interface
- Simplified on-display screen menu with advanced submenus
- 230Vac power
- 40W max. consumption (without HDD)
- Dimensions (W x D x H) mm: 450 x 450 x 95

| | |
|-----------------|---|
| 1093/054 | HYBRID 4 channel digital video recorder, with USB and LAN Recording at 12.5 fps UXGA resolution, 25 fps HD720p resolution per IP megapixel video channel (max. 2), compression, H 264, HD UXGA non real time 720p/4CIF/DCIF/2CIF real time per video channel, IP, HD SATA. |
| 1093/055 | HYBRID 8 channel digital video recorder, with USB and LAN Recording at 12.5 fps UXGA resolution, 25 fps HD720p resolution per IP megapixel video channel (max. 4), compression, H 264, HD UXGA non real time 720p/4CIF/DCIF/2CIF real time per video channel, IP, HD SATA. |
| 1093/056 | HYBRID 16 channel digital video recorder, with USB and LAN Recording at 12.5 fps UXGA resolution, 25 fps HD720p resolution per IP megapixel video channel (max. 8), compression, H 264, HD UXGA non real time 720p/4CIF/DCIF/2CIF real time per video channel, IP, HD SATA. |

HYBRID SERIES COMPARISON TABLE

| | 1093/054 | 1093/055 | 1093/056 |
|-----------------------------------|---|---------------------|--|
| Comp. video inputs | 4 | 8 | 16 |
| Loop-through | - | | |
| Main output | 1 BNC / 1 VGA high definition | | |
| Spot output | 1 BNC | | |
| Audio inputs | 4 | 8 | 16 |
| Audio outputs | 2-ch, BNC(Linear Electric Level, 600Ω) | | |
| RJ45 network interface | 10/100/1000 Mbps | | |
| Viewing | Full screen and multi screen (main)/selectable full screen (SPOT) | | |
| Recording resolution | UXGA HD720p/4CIF/DCIF/2CIF/CIF/QCIF | | |
| Recording speed | UXGA no real time HD 720p/4CIF/DCIF/2CIF/CIF/QCIF real time per video channel IP Megapixel 4CIF/DCIF/2CIF/CIF/QCIF real time per video channel IP 4CIF/DCIF/2CIF/CIF/QCIF real time per video channel analogue | | |
| Recording mode | Manual/Continuous, Motion detector, Programmed or Alarmed | | |
| Compression algorithm | H.264 | | |
| IP Video INPUT | 4 (2 for Megapixel) | 8 (4 for Megapixel) | From 8 to 16 (up to 8 for Megapixel) 8 analogue inputs off |
| Audio compression | OggVorbis 16 Kbps | | |
| Bit rate | 32Kbps~2048Kbps or defined by user (Max. 6144 Kbps) | | |
| Motion detector | ● | | |
| Event Encoding | ● | | |
| VoIP | ● | | |
| Watermark | ● | | |
| Synchronised playback | ● | | |
| USB port management | ● | | |
| Live and playback digital zoom | ● | | |
| Alarm inputs/outputs | 16 inputs/4 outputs | | |
| Supported protocols | TCP/UDP/RTP/MULTICAST and NTP | | |
| Sub-stream function | ● (real time) | | |
| Viewing on mobile phone or PDA | ● | | |
| Integrated web browser/client SW | ● | | |
| Email on event with attached img. | ● | | |
| Integrated DVD writer | ● | | |
| Hard disk | 1 SATA HD included (expandable to 8 or 4 HD, with DVD writer fitted) | | |
| Recordings on several hard disks | ● | | |
| USB 2.0 port | 3 (for back-up to USB stick, USB Hard Disk, USB CD-RW and DVD-RW) | | |
| PTZ camera control | ● (Pelco D protocol) | | |
| On-display menu | ● | | |
| Control by means of mouse | ● | | |
| System keyboard | ● | | |
| IR remote control | ● | | |
| Dimensions (W x D x H) mm | 450 x 450 x 95 | | |
| Power | 100~240VAC, 6.3A, 50~60Hz | | |

● Yes.




1093/110

NVR (Network Video Recorder) **new**

The new NVR (Network Video Recorder) 1093/110 is IP technology based and uses in native mode data transmission networks for managing and recording from IP and Megapixel cameras at the same time. The new NVR 1093/110 can therefore be used to create fully scalable IP solutions, reducing costs and providing highly qualified system performance.

The high reliability of the machine (embedded and not based on PC HW), the system performance (can record in 4CIF format at 25fps per video channel), the possibility of managing video streams using a single network interface, easy, user-friendly management and configuration, SW compatibility with all Urmet R-Evolution, Evolution, System, DVS, IP camera and Megapixel camera devices are only some of the many features that the new NVR offers for high-tech systems and video surveillance systems.

FEATURES

| |  1093/110 |
|-----------------------------|--|
| Compression algorithm | H.264 |
| Playback resolution | up to 720 p |
| IP camera inputs | 4x4CIF IP camera or 2xUXGA IP camera |
| Video output | 1-ch, BNC (1.0Vp-p, impedance: 75Ω) |
| Max. frame rate | 100FPS |
| HDD interface | 1 HD SATA included (supports 1 HDD SATA to 2000GB max) |
| Network interface | 1 RJ45 10M/100M Self-adaptive Ethernet Interface |
| USB interface | 2 USB2.0 |
| Alarm inputs | 4 |
| Alarm outputs | 1 |
| Dual stream | ● |
| Power | 12Vcc |
| Maximum consumption | 10W (without HD) |
| Operating temperature range | -10°C~+55°C |
| Dimensions (W x D x H) mm | 315 x 230 x 45 |

● Yes.

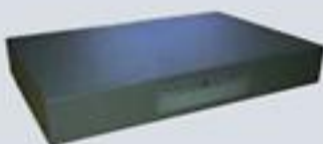
H. 264 VIDEO SERVER

IP-based (hence the name DVS Digital Video Server), the 1093/080 and 1093/084 video server uses native data transmission networks. DVS 1093/080 and 1093/084 are network interfaces capable of digitising and compressing images from one or more analogue video sources and sending them on a network. Thanks to the new DaVinci™ processor, very high quality images can be digitised (up to 4CIF) with incredibly high fluidity. In addition to Web Browser functions and Client software (included), the video servers are compatible with NVM and NVM PLUS video control and centralisation software.

The new 1093/080 DVS is provided with a SD slot for locally storing events. The new DVS 1093/084 has the compact dimensions of R-Evolution DVR and is provided with a special case without front panel, 4 video inputs, 1 composite video output and one SPOT output, standard SATA HD, 4CIF resolution in real time per video channel (recording), USB 2.0 for back-up and accessories (DVD, mouse), standard mouse for advanced management control (including PTZ device control with Pelco D protocol), management/programming with DVR via client software (included) and/or via Browser.



1093/080



1093/084

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- 📺 **1093/080 new** Video Server H.264, 4 CIF, 1 channel, 25 fps recording with 4CIF resolution per video channel, 4CIF/DCIF/2CIF/CIF/QCIF real time

 - 📺 **1093/084 new** Video Server H.264, 4 CIF, 4 channels, 25 fps recording with CIF resolution for video channel, CIF/QCIF real time and 4CIF/DCIF/2CIF no real time, HD SATA (not included)
-



VIDEO SERVER H264 COMPARISON TABLE

| | 1093/080 | 1093/084 |
|-----------------------------------|--|--|
| Composite video inputs | 1 BNC | 4 BNC |
| Audio inputs | 1 Jack | 1 RCA |
| Audio outputs | 1 Jack | 1 RCA |
| Main output | - | 1 BNC |
| Spot output | - | 1 BNC analogue |
| VGA outputs | - | 1 (High-resolution) |
| Compression resolution | 4CIF/DCIF/2CIF/CIF/QCIF | |
| Recording speed | 4CIF/DCIF/2CIF/CIF/QCIF real time | CIF/QCIF real-time 4CIF/DCIF/2CIF non real time |
| Recording mode | Continuous, Motion detector, Programmed or Alarmed | Manual/Continuous, Motion detector, Programmed or Alarmed |
| Display on screen | - | Full screen and multi screen (main) / selectable full screen (SPOT) |
| 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 RS485 | 1 port RJ45 10/100M UTP per network – 1 port RS485 |
| Supported protocols | TCP/UDP/RTP/MULTICAST | TCP/UDP/RTP/MULTICAST and NTP |
| Motion detector | | • |
| Email on event with attached img. | - | • |
| Event Encoding | - | • |
| Live and playback digital zoom | - | • |
| PLUG & PLAY configuration | - | • |
| VoIP | | • |
| Watermark | | • |
| Alarm inputs/outputs | 1 input / 1 relay output | 4 inputs/1 relay output |
| Supported protocols | TCP/UDP/RTP/MULTICAST | |
| Sub-stream function | • (real time) | |
| Control by means of mouse | - | • |
| USB port | - | • (for back-up to USB stick, USB Hard Disk, USB CD-RW and DVD-RW) |
| On-display menu | - | • |
| System keyboard | - | |
| Integrated DVD writer | - | |
| Viewing on mobile phone or PDA | | • |
| Integrated web browser/client SW | | • |
| SD-CARD slot | • SD-Card slot (not included) | - |
| Hard disk | - | 1 SATA hard disk (excluded) |
| IR remote control | - | • |
| PTZ camera control | • (Pelco D protocol) | |
| Operating temperature range | -10°C ~ +55°C | |
| Dimensions | 107 x 82 x 56 | 315 x 230 x 45 |
| Power | 12Vdc (power supply 12Vdc-100~240Vac included) - Consumption 40W max | |