Urmet S.p.A. designs, develops and manufactures its products in compliance with UNI EN ISO 9001 standards. This internationally acknowledged certification attests to Urmet’s status as a brand leader in the Communication and Security industry and to the all-round quality of its procedures, products and services.

All Urmet products bear the CE mark.

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INTRODUCTION TO VIDEO SURVEILLANCE
ENTRY LEVEL
FULL LEVEL
HIGH PROFILE

INTRODUCTION TO VIDEO SURVEILLANCE

VIDEO SURVEILLANCE
AHD SOLUTIONS
VIDEO SURVEILLANCE
IP SOLUTIONS
CENTRALISATION SOFTWARE
VIDEO SURVEILLANCE SOLUTIONS FOR RESIDENTIAL AREAS
VIDEO SURVEILLANCE ACCESSORIES AND VIDEO TRANSMISSIONS
SECURITY KITS
SOLUTIONS

AHD Solutions
Page 20

IP Solutions
Page 44

IP solutions for residential areas
Page 60

KITS
Page 88
THE RANGE

Professional video surveillance solutions

AHD 720p range
- Wide range of camera units and DVRs
- Simplified configuration
- DVR with 1TB HD included
- P2P and DDNS functions
- Control via app
- HD resolutions over coaxial cable

Page 20

AHD 1080p range
- Wide range of camera units and DVRs
- Simplified configuration
- DVR with 1TB HD included
- P2P and DDNS functions
- Control via app
- Camera configuration from DVRs
- Full HD resolutions over coaxial cable

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Complete IP solutions
- Wide range of camera units and NVRs
- PoE power supply
- Simplified configuration
- NVR with 2TB HD included
- P2P and DDNS functions
- Control via app
- System scalability
- ONVIF

Page 48
For every video surveillance system it is required to choose the right camera unit depending on the area to frame and the desired visualisation detail.
WHY URMET OFFERS YOU MORE

**DDNS FUNCTION**
For all Urmet devices: a quick solution to simplify the network configurations of the devices.

**P2P FUNCTION**
The most simple solution to configure the device on network. A true plug&play system to save time during installation.

**URMET UVS**
CMS management software compatible with several video recording device families. Available for Mac and Windows.

**iUVS APP**
APP iUVS-iUVStab-iUVSpad compatible with several video recording device families for iOS and Android, smartphone and tablet.

**BROWSER**
One browser to manage the entire CCTV range. Compatible with Internet Explorer, Safari and Firefox.

**GRAPHIC USER INTERFACE (GUI)**
common for all devices: easy learning and installation of any Urmet video recording device
A comprehensive range, suitable for all applications

Entry level

Full Level

High Profile

One software and one app for all the product lines
Entry level

Professional and convenient products that are easy to install and use.

FEATURES

• Complete range for any technological field
• Quick installation and programming
• Simple and user-friendly interface
• Remote management (via PC and mobile) thanks to UVS SW and iUVS APP
• Programmable video recording time

USE

• Ideal for small or medium-size stand-alone systems
• No specific scalability and future expansion required
• No device centralised management required
• Required (LAN, Internet) connection for viewing purposes through PC or smartphone

ADVANTAGES

• Limited access cost
• Easy installation
• Easy management
• Versatility of a system that can also be remotely controlled
INTRODUCTION TO VIDEO SURVEILLANCE

VIDEO SURVEILLANCE

Full Level

A comprehensive range of modular products that can be constantly updated and integrated as the system’s use requirements change.

All video management solutions allow both local and remote management, with interchange between different systems. A wide choice of devices ideal for building systems with a medium level of complexity.

Hotel and office buildings  Business and industry  Shopping centres  Warehouses

FEATURES

• Complete range for any technological field
• Solution scalable and modular features
• Device centralisation through UVS integrated management software
• Network connection [LAN/WAN]
• Remote management through iUVS App

USE

• Ideal for medium/large size systems
• System scalability according to changed requirements
• Complete centralised management of devices through a single software by means of a user-friendly interface
• Required [LAN, Internet] connection for viewing purposes through PC or smartphone

ADVANTAGES

• Competitive price
• Easy set-up and management
• Scalability: the system can easily grow in time [number of cameras, Control Centres, other], thereby enhancing all investments already made
• Flexibility: system can be easily adapted to any transmission system [fibre optics, wireless, WAN, coaxial]
• Easy to use: user-friendly controls/interfaces
Digital products and solutions for large and complex systems, such as those installed in shopping centres, stadiums, museums and high-risk or sensitive areas.

Besides the various analogue solutions available, for this specific segment Urmet also recommends its comprehensive IP range.

FEATURES
- Complete range for any technological field
- Solution scalable and modular features
- Device centralised management through UVS integrated management software
- Network connection [LAN/WAN]
- Remote management through iUVS App
- Management of “hybrid” systems (analogue - Ahd - Hd-Sdi- IP) from a single SW interface (UVS)

USE
- Dedicated to open system architectures, like large shopping centres, stadiums, museums and large areas
- System scalability according to changed requirements
- Complete centralised management of devices through a single software by means of a user-friendly interface
- Required (LAN, Internet) connection for viewing purposes through smartphone

Museums
Airports
Squares, public areas
Barracks
## INTRODUCTION TO VIDEO SURVEILLANCE

### AHD CAMERAS

<table>
<thead>
<tr>
<th>Part number</th>
<th>Article description</th>
<th>Type</th>
<th>Technology</th>
<th>Resolution</th>
<th>Video Output</th>
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<td>720P</td>
<td>CVBS 720TVL/AHD 720P</td>
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<td>1092/270</td>
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<td>1092/271</td>
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<td>1092/165H</td>
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<td>1080P</td>
<td>CVBS 720TVL/AHD 1080P</td>
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<td>1080P</td>
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<td>CVBS 720TVL/AHD 1080P</td>
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<td>Power supply</td>
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<td>12VDC</td>
<td>UTC</td>
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<td>IP 66</td>
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<td>4.7mm-84.6mm</td>
<td>IP 66</td>
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<td>Up to Coax - 128 Preset, OSD 7 tours and 6 patterns, D-WDR, Defog, outdoor alarm management</td>
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## INTRODUCTION TO VIDEO SURVEILLANCE

### DVR

<table>
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<th>Part number</th>
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<th>Technology</th>
<th>Resolution</th>
<th>Total video CH</th>
<th>AHD/CVBS video CH</th>
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<td>DVR 4CH AHD 720P REAL TIME</td>
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<td>AHD: 720p</td>
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<td>AHD: 720p</td>
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<td>1093/530</td>
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<td>AHD: 1080p/720p</td>
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<td>1093/531</td>
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<td>HD</td>
<td>1000:1</td>
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<td>1092/418H</td>
<td>18.5” HD VGA-HDMI LED SCREEN</td>
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<td>HD</td>
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<td>1092/421H</td>
<td>VGA 20.7” FULL HD SCREEN</td>
<td>21.5</td>
<td>FULL HD</td>
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<td>FULL HD</td>
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<td>Resolution</td>
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<th>Audio IN/OUT</th>
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<th>Dimensions</th>
<th>Range</th>
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<td>NO</td>
<td>5V/1A/battery (power unit supplied)</td>
<td>85(L) x 64(H) x 21(D) mm</td>
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<td>1 HDMI - 1 VGA - 1 BNC</td>
<td>1IN/1OUT</td>
<td>230 Vac</td>
<td>245(L) x 165(H) x 35(D) mm</td>
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<td>1 HDMI - 1 VGA</td>
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INTRODUCTION TO VIDEO SURVEILLANCE

IP CAMERAS PRO SERIES

SUMMARY TABLE

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<tr>
<th>Part number</th>
<th>Article description</th>
<th>Type</th>
<th>Technology</th>
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Available soon. For more information regarding these products, please contact our sales network.
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## INTRODUCTION TO VIDEO SURVEILLANCE

## SMART WiFi IP CAMERAS

### SUMMARY TABLE

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<th>Article description</th>
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### NVR

#### SUMMARY TABLE

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*Available soon.* For more information regarding these products, please contact our sales network.
### VIDEO SURVEILLANCE CATALOGUE

#### VIDEO SURVEILLANCE

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CAMERA UNITS
DVR

VIDEO SURVEILLANCE
AHD SOLUTIONS
AHD SOLUTIONS
THE RANGE

MAIN FEATURES

➔ A COMPREHENSIVE RANGE, SUITABLE FOR OLD APPLICATIONS
➔ JUST ONE SW PLATFORM AND APP FOR MANAGEMENT AND SUPERVISION
➔ HYBRID DVR TO MANAGE ANALOGUE VIDEO AND AHD STREAMS AT THE SAME TIME THROUGH THE NETWORK

Entry Level

Professional and convenient products that are easy to install and use.

Full Level

A comprehensive range of modular products that can be constantly updated and integrated as the system’s use requirements change. All video management solutions allow both local and remote management, with interchange between different systems. A wide choice of devices ideal for building systems with a medium level of complexity.

High Profile

Digital products and solutions for large and complex systems, such as those installed in shopping centres, stadiums, museums and high-risk or sensitive areas. Besides the various analogue solutions available, for this specific segment Urmet also recommends its comprehensive IP range.

Analog High Definition

AHD stands for Analogue High Definition and identifies a new technology based on high-definition video transmission through coaxial cable.
The key advantages of AHD are as follows:

**High resolution:**
by using AHD devices you can achieve a resolution up to 1280x720p with an image quality suitable to any system requirements.

**Transmission distance:**
the coaxial cable, with 75Ohm impedance, is used for transmitting the video signals and transmission distance is up to 500m (with progressive image quality degradation).

**Zero latency:**
the cameras transmit video streams with no compression by any codec. This means that the result is a high definition image with zero latency.

**Configuration:**
AHD devices are installed and used in a similar way to conventional devices not requiring any specialist knowledge on the part of the installer.

**Compatibility:**
AHD DVRs are compatible with analogue cameras and this promotes renewal of CCTV products of existing systems.

### AHD 720p range
- Wide range of camera units and DVRs
- Simplified configuration
- DVR with 1TB HD included
- P2P and DDNS functions
- Control via app
- HD resolutions over coaxial cable

### AHD 1080p range
- Wide range of camera units and DVRs
- Simplified configuration
- DVR with 1TB HD included
- P2P and DDNS functions
- Control via app
- Camera configuration from DVRs
- Full HD resolutions over coaxial cable
AHD SOLUTIONS 720p
CAMERA UNITS

MAIN FEATURES
→ 1/3” CMOS SENSORS
→ HIGH SENSITIVITY LEVELS
→ OSD (ONLY SOME MODELS)
→ PRIVACY ZONE
→ MOTION DETECTION
→ COMPATIBILITY WITH CVBS (ANALOGUE) STANDARD
## AHD SOLUTIONS 720p CAMERAS UNITS

### CAMERAS

#### 1092/250
- Compact camera with 3.6mm lens and IR Cut filter, 12Vdc power supply
  - Sensor: 1/3" Sony Cmos Sensor
  - Lens: 3.6mm
  - Resolution: AHD 720P / CVBS 720TVL 960H / COMET 900TVL 1280H
  - Minimum sensitivity: 0.03 Lux F2
  - Mechanically removable IR Cut filter
  - Power supply: 12 Vdc
  - Lens included

#### 1092/251
- Compact camera with 2.8-12mm lens and IR Cut filter, 12Vdc power supply
  - Sensor: 1/3" Sony Cmos Sensor
  - Lens: 2.8-12mm
  - Minimum sensitivity: 0.03 Lux F2
  - Resolution: AHD 720P / CVBS 720TVL 960H / COMET 900TVL 1280H
  - Mechanically removable IR Cut filter
  - Power supply: 12 Vdc
  - Lens included

#### 1092/270
- Ball camera with 3.6mm lens and IR Cut filter, 12Vdc power supply
  - Sensor: 1/4" OV Sony Cmos Sensor
  - Resolution: AHD 720P
  - Minimum sensitivity: 0.02 Lux F2
  - Mechanically removable IR Cut filter
  - Power supply: 12 Vdc
  - Lens included

#### 1092/272
- Ball camera with 2.8-12mm lens and IR Cut filter
  - Sensor: 1/3" Sony Cmos Sensor
  - Lens: 2.8-12mm
  - Resolution: AHD 720P / CVBS 720TVL 960H / COMET 900TVL 1280H
  - Minimum sensitivity: 0.03 Lux F2
  - Mechanically removable IR Cut filter
  - Power supply: 12 Vdc
  - Lens included

#### 1092/271
- Vandal resistant dome camera with 2.8-12mm lens and IR Cut filter, 12Vdc power supply
  - Sensor: 1/3" Sony Cmos Sensor
  - Lens: 2.8-12mm
  - Resolution: AHD 720P / CVBS 720TVL 960H / COMET 900TVL 1280H
  - Minimum sensitivity: 0.03 Lux F2
  - Mechanically removable IR Cut filter
  - Power supply: 12 Vdc
  - Lens included

### ACCESSORIES

#### 1092/147
- Bracket for vandal resistant Dome camera 1092/271
AHD VIDEO MANAGEMENT SOLUTIONS 720p
DVR SERIES DYNAMIC 2.0

→ VIDEO COMPRESSION FORMAT H.264 WITH (LIVE AND RECORDING) 720P (1280x720P), WD1 (960x576), WHD1(960x288), WCIF (480X288) RESOLUTIONS
→ URMET DDNS ACCOUNT CONFIGURATION THROUGH ID
→ P2P CONFIGURATION

COMMON FEATURES
→ THREE AVAILABLE MODES (RECORDING, PLAYBACK AND WEB TRANSMISSION AT THE SAME TIME)
→ H. 264 VIDEO COMPRESSION WITH 720P, WD1, WHD1, WCIF RESOLUTIONS
→ WINDOWS GRAPHIC INTERFACE, INTEGRATED REAL TIME LINUX 2.6 OPERATING SYSTEM
→ MAXIMUM RECORDING RESOLUTION 720P
→ SINGLE OR MULTIPLE RECORDING
→ VGA/ HDMI VIDEO OUTPUT
→ INTUITIVE MENU
→ MULTIPLE OPERATION MODES (PREVIEW, RECORDING, PLAYBACK, BACK-UP, SURVEILLANCE FROM THE NETWORK AND MONITORING FROM A MOBILE PHONE)
→ TRANSMISSION OF MAIN STREAM AND SUB STREAM ON THE NETWORK
→ URMET DDNS ACCOUNT CONFIGURATION THROUGH ID
→ P2P FUNCTION AVAILABLE FOR URMET UVS CLIENT AND MOBILE
→ RTSP FUNCTION
→ FTP FUNCTION WITH THE OPTION OF SAVING THE EVENT IMAGES ON FTP SERVER
→ ADPCM AUDIO COMPRESSION
→ REMOTE CONTROL (VIA BROWSER AND URMET UVS CLIENT SOFTWARE)

→ TRIPLE SELF-ADJUSTING STREAM
→ 1 HDD INCLUDED
→ ALARM WARNING VIA E-MAIL
→ SELF-MAINTENANCE MODE
→ POSSIBILITY OF DATA ENCRYPTION ON THE WEB
→ UVS CLIENT SOFTWARE INCLUDED IN SUPPLY

→ REMOTE CONTROL WITH A MOBILE PHONE
→ SUPPORTS ZOOM IN/OUT FUNCTION AND CYCLED FUNCTION
→ MOTION DETECTION ALARM MANAGEMENT
→ MULTIPLE ALARM RECORDING
→ POSSIBILITY OF DATA ENCRYPTION ON THE WEB
→ ALARM WARNING VIA E-MAIL
→ SELF-MAINTENANCE MODE
→ PTZ CONTROLS VIA RS-485
→ BACK-UP ON USB 2.0 FROM FRONT PANEL (USB UNIT OR HDD)
→ ON THE BACK, USB 2.0 PORTS FOR BACK-UP, UPDATE AND MOUSE CONTROL
→ LOADING AND SAVING OF DVR SETUP BY MEANS OF USB PENDRIVE
→ REMOTE CONTROL
→ MULTI-LANGUAGE OSD
→ MOBILE SOFTWARE FOR THE FOLLOWING PLATFORMS: IOS (IPHONE AND IPAD), ANDROID (SMARTPHONE AND TABLET)
→ WATERMARK
→ SYNCH 4CHANNEL PLAYBACK FOR BOARD 1093/004AH, 8CH. FOR BOARD 1093/008AHD, 16 CH. FOR BOARD 1093/016AHD
## AHD VIDEO MANAGEMENT SOLUTIONS 720p
**DVR SERIES DYNAMIC 2.0**

<table>
<thead>
<tr>
<th>Model</th>
<th>DVR Model</th>
<th>Channels</th>
<th>Video Input Channels</th>
<th>Audio Outputs</th>
<th>Video Outputs</th>
<th>Recording Resolution</th>
<th>Frame Rate</th>
<th>Dimensions</th>
<th>Power Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1093/004AHD</td>
<td>4-channel DVR Dynamic 2.0 series H.264</td>
<td>4</td>
<td>4</td>
<td>1</td>
<td>1 VGA, 1 HDMI</td>
<td>1280x720P @ 25fps</td>
<td></td>
<td>300 x 53 x 227</td>
<td>12Vdc - 2A</td>
</tr>
<tr>
<td>1093/008AHD</td>
<td>8-channel DVR Dynamic 2.0 series H.264</td>
<td>8</td>
<td>4</td>
<td>1</td>
<td>1 VGA, 1 HDMI</td>
<td>1280x720P @ 25fps</td>
<td></td>
<td>300 x 53 x 227</td>
<td>12Vdc - 2A</td>
</tr>
<tr>
<td>1093/016AHD</td>
<td>16-channel DVR Dynamic 2.0 series H.264</td>
<td>16</td>
<td>4</td>
<td>1</td>
<td>1 VGA, 1 HDMI</td>
<td>1280x720P @ 25fps</td>
<td></td>
<td>380 x 50 x 340</td>
<td>12Vdc - 5A</td>
</tr>
</tbody>
</table>
STANDARD SOLUTIONS
BOX CAMERA

MAIN FEATURES

→ 1/2.7" HIGH DEFINITION CMOS SENSORS
→ CHOICE OF FIXED MANUAL AND VARIFOCAL LENSES (INCLUDING IN AUTOIRIS MODE)
BOX CAMERAS DAY&NIGHT

1092/165H  1080P Day&Night Camera, with IR Cut Filter, DSS, DNR and Digital WDR

- Sensor: 1/2.7” High Definition CMOS
- Minimum sensitivity: Colour: 0.1Lux@F2, B/W: 0.03Lux@F2
- Resolution: AHD 1080P or CVBS 720TVL or Comet 1920H
- IR Cut filter
- Power supply: 12 Vdc
  Lens not included

TECHNICAL FEATURES

<table>
<thead>
<tr>
<th>Sensor type</th>
<th>1/2.7” High Definition CMOS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensitive elements</td>
<td>1920(H)x 1080(V) pixel</td>
</tr>
<tr>
<td>Sensitivity</td>
<td>Colour: 0.1Lux@F2, B/W: 0.03Lux@F2</td>
</tr>
<tr>
<td>Resolution</td>
<td>AHD 1080P or CVBS 720TVL or Comet 1920H</td>
</tr>
<tr>
<td>S/N ratio</td>
<td>&gt; 50dB</td>
</tr>
<tr>
<td>Synchronization</td>
<td>Internal</td>
</tr>
<tr>
<td>Lens compatibility</td>
<td>DC Drive</td>
</tr>
<tr>
<td>Auto shutter</td>
<td>1/25-1/100.00</td>
</tr>
</tbody>
</table>

FUNCTIONS

- White balancing (AWB) ADJUSTABLE
- Back Light Compensation (BLC) ADJUSTABLE
- Gain control (AGC) ADJUSTABLE
- IR CUT filter YES
- DNR YES
- DSS YES
- OSD menu YES
- HLC - SMART IR - Lens shading - DPC - Motion Detector - Digital WDR - OSD COAX UTC

GENERAL DATA

- Video output: AHD 1080P / CVBS 720TVL / Comet 1920H
- Power supply: 12VDC
- Consumption: 100 mA
- Operating temperature: 0° ~ +50°C
- Storage temperature: -30° ~ +60°C
- Dimensions (L x D x H): 117 x 71 x 60 mm
- Weight: 425g
- Use: Indoor / Outdoor inside housing

ACCESSORIES

- Housings - Brackets - Lenses - Illuminators see specific section
STANDARD SOLUTIONS LENSES

FIXED FOCAL:
→ LENSES WITH FIXED FOCAL LENGTH

VARIFOCAL:
→ LENSES WITH MANUALLY ADJUSTABLE FOCAL LENGTH. SUITABLE FOR USE IN A WIDE RANGE OF CONTEXTS

A comprehensive range including fixed focal and varifocal lenses, available in manual iris or autoiris version.

The choice of lens is a strategic one and is affected by several factors:

• lighting conditions (i.e., indoor, outdoor, daytime, night-time...);
• type of sensor (which affects lens response and thus final shooting quality);
• shooting requirements: wide angle, telephoto lens.
Lenses can be broken down as follows:

- **Fixed focal length:**
  where focal length (as defined below) is fixed; fixed focal lenses can be used in video shooting with just one reference plane, where scene brightness is more or less constant;

- **Variable focal length:**
  where focal length (as defined below) can be manually adjusted during installation or setup;

- **Zoom:**
  lenses designed to offer the chance to change lens focal length physical features, thereby allowing the user to change the zoom level; these lenses are identified by their zoom level (x6, x10...).
  They are available in a manual and in a motor-driven version.

A shooting angle increase results in a wider shooting range, as illustrated in the picture below.

Calculating focal length (camera with 1/3" CCD sensor)

When width \(W\) and distance \(D\) are known:

\[
\text{Correct focal length (mm) = } \frac{\text{Distance from lens (m) x Sensor H dimension (mm)}}{\text{Width (m)}},
\]

Example:
To shoot an 8-metre wide area located at 20 metres from the lens:
Correct focal length (mm) for CCD 1/3" = \((20 \times 4.8) : 8\) = 12 mm

When height \(h\) and distance \(D\) are known:

\[
\text{Correct focal length (mm) = } \frac{\text{Distance from lens (m) x Sensor V dimension (mm)}}{\text{Height (m)}},
\]

Example:
To shoot 4 m high at 10 m from the lens:
Correct focal length (mm) for CCD 1/3" = \((10 \times 3.6) : 4\) = 9 mm

**STANDARD CCD SIZES**

<table>
<thead>
<tr>
<th>Sensor Size</th>
<th>Height</th>
<th>Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot;</td>
<td>3.6 mm</td>
<td>2.7 mm</td>
</tr>
<tr>
<td>1/3&quot;</td>
<td>4.8 mm</td>
<td>3.6 mm</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>6.4 mm</td>
<td>4.8 mm</td>
</tr>
<tr>
<td>2/3&quot;</td>
<td>8.8 mm</td>
<td>6.6 mm</td>
</tr>
<tr>
<td>1&quot;</td>
<td>12.7 mm</td>
<td>9.525 mm</td>
</tr>
</tbody>
</table>

**NOTE** This calculation gives a rough figure referred to a 1/3" CCD sensor
## STANDARD SOLUTIONS LENSES

### LENSES

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>Focal Length (mm)</th>
<th>Maximum Aperture</th>
<th>Horizontal view angle</th>
<th>Lens Size (mm)</th>
<th>Format</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MANUAL VARIFOCAL LENSES</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1090/550*</td>
<td>5 - 100</td>
<td>F1.6 - C</td>
<td>51 - 2.7</td>
<td>80</td>
<td>1/3&quot;</td>
</tr>
<tr>
<td><strong>AUTOIRIS DC DRIVER LENSES</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1090/545</td>
<td>3.5 - 8</td>
<td>F1.2 - 300</td>
<td>77 - 33</td>
<td>47</td>
<td>1/3&quot;</td>
</tr>
<tr>
<td>1090/546*</td>
<td>2.8 - 12</td>
<td>F1.4 - 300</td>
<td>81 - 28</td>
<td>65</td>
<td>1/3&quot;</td>
</tr>
<tr>
<td>1090/547*</td>
<td>5 - 50</td>
<td>F1.6 - 300</td>
<td>51 - 5</td>
<td>72</td>
<td>1/3&quot;</td>
</tr>
<tr>
<td>1090/549*</td>
<td>2.8 - 6</td>
<td>F1.4 - 300</td>
<td>82 - 43</td>
<td>36.8</td>
<td>1/3&quot;</td>
</tr>
<tr>
<td>1090/551*</td>
<td>5 - 100</td>
<td>F1.6 - 300</td>
<td>51 - 2.7</td>
<td>80</td>
<td>1/3&quot;</td>
</tr>
<tr>
<td><strong>AUTOIRIS DC DRIVER LENSES (FOR USE WITH DAY&amp;NIGHT CAMERAS)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1090/552</td>
<td>2.8 - 12</td>
<td>F1.4 - 300</td>
<td>81 - 22</td>
<td>68</td>
<td>1/3&quot;</td>
</tr>
<tr>
<td>1090/553</td>
<td>5 - 50</td>
<td>F1.4 - 300</td>
<td>51 - 5</td>
<td>73.5</td>
<td>1/3&quot;</td>
</tr>
</tbody>
</table>

### MEGAPIXEL LENSES

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>Focal Length (mm)</th>
<th>Maximum Aperture</th>
<th>Horizontal view angle</th>
<th>Lens Size (mm)</th>
<th>Format</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MEGAPIXEL VARIFOCAL DC DRIVER LENSES</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1092/500*</td>
<td>4.5 - 14</td>
<td>F1.6 - 300</td>
<td>106 - 32</td>
<td>58</td>
<td>1/2&quot;</td>
</tr>
<tr>
<td><strong>2 MEGAPIXEL VARIFOCAL DC DRIVER LENSES</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1092/503*</td>
<td>2.8 - 12</td>
<td>F1.6 - C</td>
<td>51 - 2.7</td>
<td>80</td>
<td>1/3&quot;</td>
</tr>
<tr>
<td>1092/505*</td>
<td>3 - 8</td>
<td>F1.2 - 300</td>
<td>77 - 33</td>
<td>47</td>
<td>1/3&quot;</td>
</tr>
<tr>
<td><strong>3 MEGAPIXEL VARIFOCAL DC DRIVER LENSES</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1092/506*</td>
<td>8 - 50</td>
<td>F1.6 - 360</td>
<td>34 - 25</td>
<td>73.5</td>
<td>1/3&quot;</td>
</tr>
<tr>
<td>1092/507</td>
<td>2.8 - 12</td>
<td>F1.4 - 300</td>
<td>103 - 31</td>
<td>47</td>
<td>1/2.7&quot;</td>
</tr>
</tbody>
</table>

* Please contact our sales network to verify product availability
### BOX CAMERA ACCESSORIES

#### HOUSING KITS

<table>
<thead>
<tr>
<th>Model</th>
<th>Outdoor housing kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1092/830</td>
<td>• Side opening with slide integrated on housing body</td>
</tr>
<tr>
<td></td>
<td>• Made of extruded aluminium</td>
</tr>
<tr>
<td></td>
<td>• IP66</td>
</tr>
<tr>
<td></td>
<td>• External dimensions: 140 (W) x 120 (H) x 395 (D) mm</td>
</tr>
<tr>
<td></td>
<td>• Weight: 1760 g</td>
</tr>
<tr>
<td></td>
<td>• Heating kit: 230Vac</td>
</tr>
<tr>
<td></td>
<td>• BRACKET INCLUDED</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>Outdoor housing kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1090/809</td>
<td>• Sliding extractable body with coupling system</td>
</tr>
<tr>
<td></td>
<td>• Made of extruded aluminium</td>
</tr>
<tr>
<td></td>
<td>• External dimensions: 105 (W) x 95 (H) x 315 (D) mm</td>
</tr>
<tr>
<td></td>
<td>• Internal dimensions: 70 (W) x 65 (H) x 300 (D) mm</td>
</tr>
<tr>
<td></td>
<td>• Weight: 1.4 Kg</td>
</tr>
<tr>
<td></td>
<td>• Protection class: IP55</td>
</tr>
<tr>
<td></td>
<td>• Heating kit: 230Vac</td>
</tr>
<tr>
<td></td>
<td>• BRACKET NOT INCLUDED</td>
</tr>
</tbody>
</table>

#### BRACKETS AND ADAPTERS

<table>
<thead>
<tr>
<th>Model</th>
<th>Housing bracket 1090/809</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• Cables routed externally</td>
</tr>
<tr>
<td></td>
<td>• Load capacity: 15 Kg</td>
</tr>
<tr>
<td></td>
<td>• Weight: 0.5 kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>Pole adapter for housing 1092/830</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• Pole: diameter 60-110 mm</td>
</tr>
<tr>
<td></td>
<td>• Weight: 1.3 Kg</td>
</tr>
<tr>
<td></td>
<td>• Dimensions: 110 x 175 mm</td>
</tr>
</tbody>
</table>
AHD SOLUTIONS 1080p
CAMERA UNITS

MAIN FEATURES

- HIGH DEFINITION 1/3" CMOS SENSORS
- 3M MEGAPIXEL LENSES
- HIGH LEVELS OF SENSITIVITY BY INCREASING THE VIDEO YIELD WHEN THE ENVIRONMENTAL LIGHTING CONDITIONS ARE POOR
- OSD
- UTC MENU AND LENS MANAGEMENT FROM DVR [CHECK THE COMPATIBLE MODELS]
- PRIVACY ZONE
- MOTION DETECTION
- 2DNR [DIGITAL NOISE]
- DWDR [DIGITAL WIDE DYNAMIC RANGE]
- IR SMART

2 high efficiency IR LEDs – 15°
50 m range

Motorised autofocus zoom

IP66

42 LED IR – 45°
AHD SOLUTIONS 1080p
CAMERA UNITS

CAMERAS

1092/253H Compact camera 3.6mm AHD 1080p lens
- Sensor: 1/2.7” High Definition CMOS
- Sensitivity: colour 0.1 Lux@F2, B/W: 0.03 lux@F2
- Mechanically removable IR Cut filter
- Power supply: 12 Vdc
- Lens: 3.6mm @ 3Mpx
- Resolution: AHD 1080P / CVBS 720TVL / 720P
- Functions: OSD menu, Privacy Zone, Motion Detection 2DNR (Digital Noise Reduction), DWDR (Digital Wide Dynamic Range), IR SMART

1092/254H Compact camera Day & Night varifocal 2.8-12mm lens
- Sensor: 1/2.7” High Definition CMOS
- Sensitivity: colour 0.1 Lux@F2, B/W: 0.03 lux@F2
- Mechanically removable IR Cut filter
- Power supply: 12 Vdc
- 2.8-12mm @ 3Mpx lens
- Resolution: AHD 1080P / CVBS 720TVL / 720P
- Functions: OSD menu, Privacy Zone, Motion Detection 2DNR (Digital Noise Reduction), DWDR (Digital Wide Dynamic Range), IR SMART
- OSD COAX UTC – camera OSD menu management directly from the DVR through a coax cable
- Compatible with junction box item no. 1092/148

1092/255H Compact camera 6-22mm lens
- Sensor: 1/2.7” High Definition CMOS
- Sensitivity: colour 0.1 Lux@F2, B/W: 0.03 Lux@F2
- Mechanically removable IR Cut filter
- Power supply: 12 Vdc
- 6-22mm @ 3Mpx lens
- Resolution: AHD 1080P / CVBS 720TVL / 720P
- Functions: OSD menu, Privacy Zone, Motion Detection 2DNR (Digital Noise Reduction), DWDR (Digital Wide Dynamic Range), IR SMART
- OSD COAX UTC – camera OSD menu management directly from the DVR through a coax cable
- Compatible with junction box item no. 1092/148

1092/252H Compact camera 5-50mm lens
- Sensor: 1/2.8” Sony CMOS
- Sensitivity: Colour: 0.3Lux, B/W: 0.1lux Colour DSS: 0.0005lux, BW DSS: 0.0002lux
- Mechanically removable IR Cut filter
- Power supply: 12 Vdc
- Varifocal 15-50mm 10x Optical zoom
- Resolution: AHD 1080P / 720P
- Functions: OSD menu, Privacy Zone, Motion Detection 2DNR (Digital Noise Reduction), DWDR (Digital Wide Dynamic Range), IR SMART, Electronic Zoom, Autofocus
- OSD COAX UTC – camera OSD menu management directly from the DVR through a coax cable (only with 1080P resolution)
- Compatible with junction box item no. 1092/148

1092/256HZ Compact camera Day & Night varifocal 2.8-12mm lens
- Sensor: 1/2.7” High Definition CMOS
- Sensitivity: colour 0.1 Lux@F2, B/W: 0.03 Lux@F2
- Mechanically removable IR Cut filter
- Power supply: 12 Vdc
- Motorised 2.8-12mm @ 3Mpx lens with autofocus
- Resolution: AHD 1080P / CVBS 720TVL
- Functions: OSD menu, Privacy Zone, Motion Detection 2DNR (Digital Noise Reduction), DWDR (Digital Wide Dynamic Range), IR SMART
- OSD COAX UTC – camera OSD menu management directly from the DVR through a coax cable
- Compatible with junction box item no. 1092/148

1092/273H Mini dome camera 3.6mm AHD 1080p lens
- Sensor: 1/2.7” High Definition CMOS
- Sensitivity: colour 0.1 Lux@F2, B/W: 0.02 Lux@F2
- Mechanically removable IR Cut filter
- Power supply: 12 Vdc
- 3.6mm @ 3Mpx lens
- Resolution: AHD 1080P / CVBS 720TVL / 720P
- Functions: OSD menu, Privacy Zone, Motion Detection 2DNR (Digital Noise Reduction), DWDR (Digital Wide Dynamic Range), IR SMART
- Compatible with junction box item no. 1092/148
AHD SOLUTIONS 1080p
CAMERA UNITS

CAMERAS

1092/274H  Mini dome camera 2.8-12mm AHD 1080p lens
- Sensor: 1/2.7” High Definition CMOS
- Sensitivity: Colour: 0.1Lux@F2, B/W: 0.03 Lux@F2
- Mechanically removable IR Cut filter
- Power supply: 12 Vdc
- 2.8-12mm@3Mpx lens
- Resolution: AHD 1080P / CVBS 720TVL / 720P
- Functions: OSD menu, Privacy Zone, Motion Detection 2DNR (Digital Noise Reduction), DWDR (Digital Wide Dynamic Range), IR SMART
- OSD COAX UTC – camera OSD menu management directly from the DVR through a coax cable (only with 1080P resolution)
- Compatible with junction box item no. 1092/148

1092/275H  Vandal-resistant Dome camera 2.8-12mm AHD 1080p lens
- Sensor: 1/2.7” High Definition CMOS
- Sensitivity: Colour: 0.1Lux@F2, B/W: 0.03 Lux@F2
- Mechanically removable IR Cut filter
- Power supply: 12 Vdc
- 2.8-12mm@3Mpx lens
- Resolution: AHD 1080P / CVBS 720TVL / 720P
- Functions: OSD menu, Privacy Zone, Motion Detection 2DNR (Digital Noise Reduction), DWDR (Digital Wide Dynamic Range), IR SMART
- OSD COAX UTC – camera OSD menu management directly from the DVR through a coax cable (only with 1080P resolution)
- Compatible with junction box item no. 1092/148

1092/277HZ  Mini dome camera 2.8-12mm AHD 1080p lens
- Sensor: 1/2.7” High Definition CMOS
- Sensitivity: colour: 0.1Lux@F2, B/W: 0.03 Lux@F2
- Mechanically removable IR Cut filter
- Power supply: 12 Vdc
- Motorised 2.8-12mm@3Mpx lens with autofocus
- Resolution: AHD 1080P / CVBS 720TVL
- Functions: OSD menu, Privacy Zone, Motion Detection 2DNR (Digital Noise Reduction), DWDR (Digital Wide Dynamic Range), IR SMART
- OSD COAX UTC – camera OSD menu management directly from the DVR through a coax cable
- Compatible with junction box item no. 1092/148

1092/278HZ  Mini dome camera 2.8-12mm AHD 1080p lens
- Sensor: 1/2.7” High Definition CMOS
- Sensitivity: colour: 0.1Lux@F2, B/W: 0.03 Lux@F2
- Mechanically removable IR Cut filter
- Power supply: 12 Vdc
- Motorised 2.8-12mm@3Mpx lens with autofocus
- Resolution: AHD 1080P / CVBS 720TVL
- Functions: OSD menu, Privacy Zone, Motion Detection 2DNR (Digital Noise Reduction), DWDR (Digital Wide Dynamic Range), IR SMART
- OSD COAX UTC – camera OSD menu management directly from the DVR through a coax cable
- Compatible with junction box item no. 1092/148

1092/276HA  Mini dome camera 2.2mm AHD 1080p lens
- Sensor: 1/2.7” High Definition CMOS
- Sensitivity: colour: 0.1Lux@F2, B/W: 0.02Lux@F2
- Mechanically removable IR Cut filter
- Power supply: 12 Vdc
- 2.2 mm wide angle 140° lens
- Resolution: AHD 1080P / CVBS 720TVL
- Functions: OSD menu, Privacy Zone, Motion Detection 2DNR (Digital Noise Reduction), DWDR (Digital Wide Dynamic Range), IR SMART
- OSD COAX UTC – camera OSD menu management directly from the DVR through a coax cable

ACCESSORIES

1093/147  Bracket for vandal resistant Dome camera 1092/275H and Mini Dome camera 1092/278HZ

In the 720P mode the focal length is modified and the visual field angle reduced, disabling the UTC function.
SPEED DOME AHD STANDARD SOLUTIONS

MAIN FEATURES

- HIGH ROTATION SPEED ON HORIZONTAL AND VERTICAL AXIS
- SONY CAMERA SENSOR
- WALL OR CEILING BRACKETS
- POWER BOX
- DATA AND VIDEO TRANSMISSION THROUGH COAXIAL CABLE

Professional camera units equipped with DAY&NIGHT modules, zoom lenses with autofocus, variable speed horizontal and vertical swivel motion (PAN and TILT). The new AHD speed dome range is compatible with all AHD 1080P and 720P video surveillance systems. With DVR they can be managed also remotely via SW (UVS) and via smartphone/tablet (iUVS).
## SPEED DOME AHD

### STANDARD SOLUTIONS

<table>
<thead>
<tr>
<th>Code</th>
<th>Model Description</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>1092/605</td>
<td>Speed dome AHD 1080p/720p zoom 10x with LED</td>
<td>- Camera sensor: 1/2.8” CMOS IMX238</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Optical zoom: 10 X (f=5mm~50mm)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Sensitivity (lux): 0.1 [Colour] / 0.01 [B/W]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Main functions: 128 Preset, OSD 7 tours and 6 patterns, D-WDR, Defog, 8 in alarm 128 Preset, OSD 7 tours and 6 patterns, D-WDR, Defog 8 in alarm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Horizontal shift speed 0.1~360°/S</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Vertical shift speed 0.1~180°/S</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Supply voltage: 230Vac/ 24Vac 3 Amp</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Model Description</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>1092/679</td>
<td>Speed dome AHD 1080p/720p zoom 20x with LED</td>
<td>- Camera sensor: 1/2.8” CMOS IMX238</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Optical zoom: 20 X (f=4.7mm~84.6mm)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Sensitivity (lux): 0.1 [Colour] / 0.01 [B/W]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Mechanical removal of the IR filter</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Main functions: 128 Preset, OSD 7 tours and 6 patterns, D-WDR, Defog 128 Preset, OSD 7 tours and 6 patterns, D-WDR, Defog 6 patterns</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Resolution: FULL HD (1080P) - HD (720p)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Horizontal shift speed 0.1~360°/S</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Vertical shift speed 0.1~180°/S</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Supply voltage: 230Vac/ 24Vac 3 Amp</td>
</tr>
</tbody>
</table>

### ACCESSORIES

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>1092/706</td>
<td>Easy Dome IV Corner Adapter</td>
<td></td>
</tr>
<tr>
<td>1092/707</td>
<td>Easy Dome IV Pole Adapter</td>
<td></td>
</tr>
<tr>
<td>1092/708</td>
<td>Power box</td>
<td></td>
</tr>
<tr>
<td>1092/709</td>
<td>8 in / 1 out alarm board</td>
<td></td>
</tr>
<tr>
<td>1092/710</td>
<td>Wall bracket for 1092/679. Compatible with Power Box 1092/708</td>
<td></td>
</tr>
<tr>
<td>1092/711</td>
<td>Wall bracket for Easy Dome. NOT compatible with Power Box 1092/708</td>
<td></td>
</tr>
</tbody>
</table>

▼ In the 720P mode, Up to Coax management is disabled.
AHD 1080p VIDEO MANAGEMENT SOLUTIONS
DVR SERIES HYBRID 3.0

-> VIDEO COMPRESSION H.264 WITH 1080P, 720P, 960H RESOLUTIONS (WD1)
-> P2P FUNCTION AVAILABLE FOR URMET UVS CLIENT AND MOBILE
-> MULTI-LANGUAGE OSD

-> REMOTE CONTROL (VIA BROWSER AND URMET UVS CLIENT SOFTWARE)
-> MOBILE SOFTWARE FOR THE FOLLOWING PLATFORMS: IOS (IPHONE AND IPAD), ANDROID (SMARTPHONE AND TABLET)

COMMON FEATURES
-> THREE AVAILABLE MODES [RECORDING, PLAYBACK AND WEB TRANSMISSION AT THE SAME TIME]
-> VIDEO COMPRESSION H.264 WITH 1080P, 720P, 960H RESOLUTIONS (WD1)
-> INTEGRATED REAL TIME LINUX 2.6 OPERATING SYSTEM
-> RECORDING WITH NO REAL TIME 1080P MAXIMUM RESOLUTION IN ANALOGUE CONFIGURATION AND REAL TIME MAX. 1080P IN IP CONFIGURATION
-> SINGLE OR MULTIPLE RECORDING
-> VGA/ HDMI VIDEO OUTPUT
-> INTUITIVE MENU
-> MULTIPLE OPERATION MODES [PREVIEW, RECORDING, PLAYBACK, BACK-UP, SURVEILLANCE FROM THE NETWORK AND MONITORING FROM A MOBILE PHONE]
-> TRANSMISSION OF MAIN STREAM, SUB STREAM AND MOBILE STREAM ON NETWORK (FOR THE IP CHANNELS)
-> REMOTE CONTROL (VIA BROWSER AND URMET UVS CLIENT SOFTWARE)
-> REMOTE CONTROL VIA URMET IUVS MOBILE SOFTWARE FOR THE IOS & ANDROID PLATFORMS
-> DDNS FUNCTION

-> P2P FUNCTION AVAILABLE FOR URMET UVS CLIENT AND URMET IUVS MOBILE
-> RTSP FUNCTION
-> FTP FUNCTION WITH THE OPTION OF SAVING THE EVENT IMAGES ON FTP SERVER
-> ADPCM AUDIO COMPRESSION
-> SUPPORTS ZOOM IN/OUT FUNCTION AND CYCLED FUNCTION
-> ALARM MANAGEMENT
-> MULTIPLE ALARM RECORDING
-> ALARM WARNING VIA E-MAIL
-> SELF-MAINTENANCE MODE
-> PTZ CONTROLS VIA RS-485
-> BACK-UP ON USB 2.0 FROM FRONT PANEL (USB UNIT OR HDD)
-> ON THE BACK, USB 2.0 PORT FOR BACK-UP, UPDATE AND MOUSE CONTROL
-> LOADING AND SAVING OF THE HYBRID DVR SETUP BY MEANS OF USB PENDRIVE
-> REMOTE CONTROL
-> MULTI-LANGUAGE OSD
-> WATERMARK
-> MULTI-CHANNEL SYNCHRONOUS PLAYBACK

VIDEO SURVEILLANCE CATALOGUE 39
**DVR**

**1093/530**
- 4-channel DVR of the Dynamic 2.0 series H.264
  - 4 composite video input channels
  - 4 inputs / 1 audio output
  - 1 VGA video output/ 1 HDMI video output
  - Recording resolution@frame-rate 1080P(1920×1080)@15fps 720P (1280×720)@25fps 960H (760X576)@25fps
  - 4 alarm inputs / 1 alarm output
  - Dimensions: 300 (W) x 53 (H) x 227 (D) mm
  - Power supply: 12Vdc -2A (power unit supplied)

**1093/531**
- 8-channel DVR of the Dynamic 2.0 series H.264
  - 8 composite video input channels
  - 8 inputs / 1 audio output
  - 1 VGA video output/ 1 HDMI video output
  - Recording resolution@frame-rate 1080P(1920×1080)@15fps 720P (1280×720)@25fps 960H (760X576)@25fps
  - 8 alarm inputs / 1 alarm output
  - Dimensions: 380 (W) x 50 (H) x 340 (D) mm
  - Power supply: 12Vdc - 5A (power unit supplied)

**1093/532**
- 16-channel DVR of the Dynamic 2.0 series H.264
  - 16 composite video input channels
  - 16 inputs / 1 audio output
  - 1 VGA video output/ 1 HDMI video output
  - Recording resolution@frame-rate 1080P(1920×1080)@15fps 720P (1280×720)@25fps 960H (760X576)@25fps
  - 16 alarm inputs / 1 alarm output
  - Dimensions: 380 (W) x 50 (H) x 340 (D) mm
  - Power supply: 12Vdc - 5A (power unit supplied)

* Please contact our sales network to verify product availability.
**AHD 1080p VIDEO MANAGEMENT SOLUTIONS**

**DVR SERIES HYBRID 3.0**

**DVR**

**1093/534P**
4-channel DVR of the Hybrid 3.0 series H.264

- 4 composite video input channels
- 2 IP video input channels (up to a max. of 6 IP channels by disabling all the analogue inputs)
- Total video inputs up to 6 channels (mixed analogue video and IP video channels)
- 1 VGA video output /1 HDMI video output
- 4 audio inputs /1 audio output
- 4 alarm inputs /1 alarm output
- Recording resolutions @frame-rate: AHD 1080p@15fps, 720p@25fps
  960H@25fps per channel; IP: 1080p/720p/960H@25fps per channel
- 4-Channel Synchronous Playback
  Max. Input bandwidth: between the range 8Mbps ~24Mbps (the default value is 8Mbps, for each analogue channel disabled the band increases of 4Mbps up to a maximum of 24Mbps)
  Max. Output bandwidth: 32Mbps
- Dimensions: 300 (W) x 53 (H) x 227 (D) mm
- Power supply: 12Vdc -2A (power unit supplied)

**1093/538P**
8-channel DVR of the Hybrid 3.0 series H.264

- 8 composite video input channels
- 4 IP video input channels (up to a max. of 12 IP channels by disabling all the analogue inputs)
- Total video inputs up to 12 channels (mixed analogue video and IP video channels)
- 1 VGA video output /1 HDMI video output
- 8 audio inputs /1 audio output
- 8 alarm inputs /1 alarm output
- Recording resolutions @frame-rate: AHD 1080p@15fps, 720p@25fps
  Analogue 960H@25fps per channel; IP: 1080p/720p/960H@25fps per channel
- 8-Channel Synchronous Playback
  Max. Input bandwidth: between the range 16Mbps ~48Mbps (the default value is 16Mbps, for each analogue channel disabled the band increases of 4Mbps up to a maximum of 48Mbps)
  Max. Output bandwidth: 32Mbps
- Dimensions: 380 (W) x 50 (H) x 340 (D) mm
- Power supply: 12Vdc -5A (power unit supplied)

**1093/536P**
16-channel DVR of the Hybrid 3.0 series H.264

- 16 composite video input channels
- 8 IP video input channels (up to a max. of 24 IP channels by disabling all the analogue inputs)
- Total video inputs up to 24 channels (mixed analogue video and IP video channels)
- 1 VGA video output /1 HDMI video output
- 16 audio inputs /1 audio output
- 16 alarm inputs /1 alarm output
- Recording resolutions @frame-rate: AHD 1080p@15fps, 720p@25fps
  Analogue 960H@25fps per channel; IP: 1080p/720p/960H@25fps per channel
- 16-Channel Synchronous Playback
  Max. Input bandwidth: between the range 32Mbps ~96Mbps (the default value is 32Mbps, for each analogue channel disabled the band increases of 4Mbps up to a maximum of 96Mbps)
  Max. Output bandwidth: 64Mbps
- Dimensions: 380 (W) x 50 (H) x 340 (D) mm
- Power supply: 12Vdc -5A (power unit supplied)
STANDARD SOLUTIONS
MONITORS

MAIN FEATURES

- LCD AND LARGE SIZE LCD: A RANGE OF SOLUTIONS FOR DIFFERENT VISUALISATION REQUIREMENTS
- AUDIO INPUTS (DEPENDING ON THE MODELS)
- HDMI INPUT (DEPENDING ON THE MODELS)

Professional and convenient products that are easy to install and use.

A comprehensive range of modular products that can be constantly updated and integrated as the system's use requirements change.

Digital products and solutions for large and complex systems, such as those installed in shopping centres, stadiums, museums and high-risk or sensitive areas. Besides the various analogue solutions available, for this specific segment Urmet also recommends its comprehensive IP range.

SYMBOL KEY

E | Entry Level
F | Full Level
H | High Profile

Inches

HD | HD
Full HD
## STANDARD SOLUTIONS
### MONITORS

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Features</th>
</tr>
</thead>
</table>
| 1092/400 | 2.5” LCD wrist monitor | - Video inputs: 1 female Mini Jack (with BNC adapters)  
- Power input w/male Mini Jack (for power supply and battery charging)  
- Resolution: 480 x 234  
- Weight: 90 g  
- Adjustments: brightness and colour  
- Power adapter: Input 100~240 Vac - Output 5V/1A  
- Dimensions: 85(L) x 64(H) x 21(D) mm |
| 1092/401B | 9.7” (4:3) TFT LCD Monitor | - LCD display: 10.1” TFT  
- Resolution: 1024 x 768  
- Supported resolution: up to 1280 x 1024  
- Video input: 1 BNC composite video signal 1.0Vpp 75 Ohm  
- Audio input: 1 RCA  
- Contrast ratio: 1000: 1  
- Brightness: 600 cd/sq m  
- Dimensions: 245 (W) x 165 (H) x 35 (D) mm (without bracket)  
- Weight: 0.618 kg |
| 1092/418H | 18.5” VGA-HDMI HD (16:9) LED Screen | - LCD display: 18.5” TFT (16:9)  
- Resolution: 1360 x 768  
- VGA video input  
- HDMI video input  
- Audio x1 Input/Output  
- Contrast: 600: 1  
- Brightness: 250 cd/sq.m  
- Dimensions, base included (HxLxD): 465 x 170 x 342 mm  
- Weight: 2.8 Kg |
| 1092/421H | 21.5” FULL HD (16:9) VGA-HDMI LED Screen | - LCD display: 21” TFT (16:9)  
- Resolution: 1920 x 1080  
- VGA video input  
- HDMI video input  
- Audio x1 Input/Output  
- Contrast: 600: 1  
- Brightness: 200 cd/sq.m  
- Dimensions, base included (HxLxD): 491 x 163 x 365 mm  
- Weight: 3.3 Kg |
| 1092/421HB | 21.5” FULL HD (16:9) VGA-HDMI-BNC LED Screen | - LCD display: 21.5” TFT (16:9)  
- Resolution: 1920 x 1080  
- BNC video input  
- VGA video input  
- HDMI video input  
- Audio x1 Input/Output  
- Contrast: 600: 1  
- Brightness: 200 cd/sq.m  
- Dimensions, base included (HxLxD): 510 x 170 x 375 mm  
- Weight: 3.3 Kg |
| 1092/427HB | 27” FULL HD VGA-HDMI-BNC (16:9) LED Screen | - LCD display: 27” TFT (16:9)  
- Resolution: 1920 x 1080  
- BNC video input  
- VGA video input  
- HDMI video input  
- Audio x1 Input/Output  
- Contrast: 1000: 1  
- Brightness: 300 cd/sq.m  
- Dimensions, base included (HxLxD): 650 x 220 x 453 mm  
- Weight: 6.3 Kg |
INTRODUCTION TO VIDEO SURVEILLANCE

VIDEO SURVEILLANCE CATALOGUE

CAMERA UNIT
NVR

VIDEO SURVEILLANCE
IP SOLUTIONS
IP SOLUTIONS

MAIN FEATURES

- COMPLETE RANGE
- INDOOR/OUTDOOR CAMERA UNIT POE
- SIMPLIFIED DEVICE SETUP (NVR AND IP CAMERAS)
- WIDE RANGE OF NVR WITH AND WITHOUT POE
- NVR WITH 2TB HD INCLUDED
- P2P AND URMET DDNS AVAILABLE FOR NVR RANGE
- UVS VIDEO CENTRALISATION SW INCLUDED
- IUVS APP AVAILABLE FOR IOS AND ANDROID
- EASY SCALABILITY

Urmet invests in new technologies and offers a range of IP solutions for increased system potential, functionality and flexibility.

Installation is quick and easy; the entire system is wired using a UTP cable, and the existing network infrastructure can be used.

Urmet’s IP solutions require use of a single centralised video management platform (UVS) supplied as standard.

In terms of performance, there are evident advantages: superior image quality, complete remote device management (WAN/LAN).

This software enables supervision of small and complex systems alike.

Professional and convenient products that are easy to install and use.

A comprehensive range of modular products that can be constantly updated and integrated as the system’s use requirements change. All video management solutions allow both local and remote management, with interchange between different systems. A wide choice of devices is ideal for building systems with a medium level of complexity.

A wide choice of devices is ideal for building systems with a medium level of complexity.

Products and solutions for large and complex systems, such as those installed in shopping centres, stadiums, museums and high-risk or sensitive areas. Besides the various analogue solutions available, for this specific segment Urmet also recommends its comprehensive IP range.
Complete IP solutions

- COMPLETE RANGE
- INDOOR/OUTDOOR CAMERA UNIT POE
- SIMPLIFIED DEVICE SETUP (NVR AND IP CAMERAS)
- WIDE RANGE OF NVR WITH AND WITHOUT POE
- NVR WITH 2TB HD INCLUDED
- P2P AND URMET DDNS AVAILABLE FOR NVR RANGE
- NVR SW INCLUDED
- IUVS APP AVAILABLE FOR IOS AND ANDROID
- EASY SCALABILITY
- ONVIF

SYMBOL KEY

- E: Entry Level
- F: Full Level
- H: High Profile
- HD: HD
- HD: Full HD
- PoE: PoE
- Fixed lens
- Varifocal lens
- OSD
- IP 1080p range

IP 1080p
Urmet presents a new IP range that tops off its wide offering. The new range includes new camera units and NVR video recorders.

The new IP cameras are offered with 1080p@25fps (Full HD) for indoor and outdoor applications (IP66) both in small residential and commercial operating installations and more complex and open architecture systems. All models are equipped with LED for night vision with no lights, motion detector, D-WDR function for video shooting optimisation in high contrast conditions, and PoE and 12Vdc power supply.

Product range includes mini dome or vandal dome cameras as well as outdoor/indoor compact cameras with fixed or varifocal lens. The new IP cameras enhance and top off the current offering, which is now thorough, cost-effective and in line with the main market demands. All camera units are updated to the latest ONVIF release. Both the new IP cameras and the NVRs feature the same configuration interface (GUI) so that system setup operations are extremely simple and user-friendly.

Another asset is UVS, the video centralised management SW that can manage on a single interface up to 128 live video streams (up to 4 monitors) coming from different types of devices of the Urmet range, and namely: DVR with Standard 960H resolution, HD-SDI DVR, AHD, IP Cameras and NVRs. The iUVS app (available for iOS and Android) tops off the standard outfit common to all Urmet products featuring a network interface and, like UVS SW, the app is compatible with all CCTV products in the range. Therefore, Urmet designed solutions for all CCTV product lines that will meet any requirement in terms of range completeness, technical performance, flexibility and scalability.
CAMERAS

1093/134M1 *
COMPACT CAMERA WITH FIXED 3.6MM LENS – 720p W/LED
- Sensor: 720P CMOS
- Lens: 3.6mm
- Resolution and MAX encoding rate: 720P (1280x720)@25fps
- Triple Stream
- Sensitivity: Colour: 0.08Lux @F1.2, AGC ON, 0 Lux with IR
- IR cut filter with auto switch
- Integrated web server
- Protection class: IP66
- Power supply: 12VDC, PoE (Power over Ethernet)

1093/136M1 *
COMPACT CAMERA VARIF. LENS 2.8-12MM – 1.3M W/LED
- Sensor: 1080P CMOS
- Lens: 2.8-12mm
- Resolution and MAX encoding rate: 1.3M (1280x960)@25fps
- Triple Stream
- Sensitivity: Colour: 0.03Lux @F1.2, AGC ON, 0 Lux with IR
- IR cut filter with auto switch
- Integrated web server
- IR led range: 30m
- Protection class: IP66
- Power supply: 12VDC, PoE (Power over Ethernet)

1093/139M2
COMPACT CAMERA WITH 3.6MM – 1080p LENS
- Sensor: 2MPX CMOS
- Lens: 3.6mm
- Resolution and encoding rate: 1080P (1920x1080)@1~25fps, 720P (1280x720)@1~25fps, D1@1-20fps 640x360@1-25fps, CIF@1-25fps; D1@1-5fps 640x360@1-8fps, CIF@1-20fps
- Sensitivity: 0.01Lux @F1.2, AGC ON, 0 Lux with IR
- IR cut filter
- Integrated web server
- Protection class: IP66
- Power supply: 12Vdc, PoE (Power over Ethernet)
- Compatible with junction box item no. 1092/148

1093/141M2
COMPACT CAMERA WITH VARIFOCAL 2.8-12MM LENS – 1080p
- Sensor: 2MPX CMOS
- Lens: 2.8-12mm
- Resolution and encoding rate: 1080P (1920x1080)@1~25fps, 720P (1280x720)@1~25fps, D1@1-20fps 640x360@1-25fps, CIF@1-25fps; D1@1-5fps 640x360@1-8fps, CIF@1-20fps
- Sensitivity: 0.01Lux @F1.2, AGC ON, 0 Lux with IR
- IR cut filter
- Integrated web server
- Protection class: IP66
- Power supply: 12Vdc, PoE (Power over Ethernet)
- Compatible with junction box item no. 1092/148

ACCESSORIES

1092/148    Junction box

* Please contact our sales network to verify product availability.
CAMERAS

1093/142M2  ▶ Compact Camera with Varifocal 6-22mm Lens – 1080p
- Sensor: 2MPX CMOS
- Lens: 6-22mm
- Resolution and encoding rate: 1080p (1920x1080) @ 1-25fps; 720p (1280x720) @ 1-25fps; D1 @ 1-20fps; 640x360 @ 1-20fps; CIF @ 1-25fps; D1 @ 1-5fps; 640x360 @ 1-8fps; CIF @ 1-20fps
- Sensitivity: 0.01Lux @ (F1.2, AGC ON), 0 Lux with IR
- IR cut filter
- Integrated web server
- Protection class: IP66
- Power supply: 12Vdc, PoE (Power over Ethernet)
- Compatible with junction box item no. 1092/148

1093/176M2  ▶ IP Mini Dome Camera with 3.6mm – 1080p Lens
- Sensor: 2MPX CMOS
- Lens: 3.6mm
- Resolution and encoding rate: 1080P (1920x1080) @ 1-25fps; 720P (1280x720) @ 1-25fps; D1 (704x576) / 20fps; CIF (352x288) / 25fps
- Sensitivity: 0.01Lux @ (F1.2, AGC ON), 0 Lux with IR
- IR cut filter with auto switch
- Integrated web server
- Protection class: IP66
- Power supply: 12Vdc, PoE (Power over Ethernet)
- Compatible with junction box item no. 1092/148

1093/177M2  ▶ IP Mini Dome Camera with 2.8-12mm Varifocal 1080p Lens
- Sensor: CMOS 2.0 MPX 1/3’ IMX322
- Lens: 2.8-12mm
- Video compression: H.264
- 2.8-12mm varifocal lens
- Resolution and encoding rate: 1080P (1920x1080) @ 1-25fps; 720P (1280x720); D1 (704x576); CIF (352x288) / 25fps; D1 @ 1-25fps; D1 @ 1-5fps; 640x360 @ 1-20fps
- Sensitivity: 0.03Lux @ (F1.2, AGC ON), 0 Lux with IR
- IR cut filter with auto switch
- Integrated web server
- Protection class: IP66
- Power supply: 12Vdc ± 10%, PoE (Power over Ethernet)
- Compatible with junction box item no. 1092/148

1093/174M1  ▶ Outdoor Mini Dome Camera 3.6mm, 1.3M
- Sensor: 1.3MpX CMOS
- Lens: 3.6mm
- Resolution and MAX encoding rate: 720P (1280x720) @ 25fps
- Triple Stream
- Sensitivity: Colour: 0.03Lux @ (F1.2, AGC ON), 0 Lux with IR
- IR cut filter with auto switch
- Integrated web server
- IR led range: 20m
- Protection class: IP66
- Power supply: 12Vdc, PoE (Power over Ethernet)
- Power unit supplied
- Compatible with junction box item no. 1092/148

* Please contact our sales network to verify product availability.
CAMERAS

1093/178M2 • Vandaldome camera with 2.8-12mm varifocal 1080p lens
- Sensor: 2MPX CMOS
- Lens: 2.8-12mm
- Resolution and encoding rate: 1080p (1920x1080)@1~25fps; 720p (1280x720)@1~25fps; D1@1~20fps 640x360@1~25fps; CIF@1~25fps; D1@1~5fps 640x360@1~8fps; CIF@1~25fps
- Sensitivity: 0.01Lux @ (F1.2, AGC ON), 0 Lux with IR
- IR cut filter
- Integrated web server
- Protection class: IP66
- Power supply: 12Vdc, PoE (Power over Ethernet)
- 12 IR LEDs
- Compatible with junction box item no. 1092/148

1093/654M2 • Easydome IP D&N 20X with IR LED 1080p
- Sensor: 1/2.8" type Exmor CMOS
- Sensitivity: 0.1 lux
- Resolution and MAX encoding rate: 1080P (1920x1080)@25fps
- Double Stream
- OSD menu
- Optical Zoom: 20X f=4.7mm~94.0 mm
- Digital Zoom: 16x
- IR led range: 100m
- Protection class: IP66
- Power supply: 24Vaa / 5A

1093/655M2 • Easydome IP D&N 20X with IR Array 1080p
- Sensor: 1/2.7" OV2715 CMOS
- Sensitivity: Colour: 0.5 lux, B&W 0.05 lux
- H.264/MJPEG
- MAX resolution/fps: 1080P (1920x1080)@25fps
- Double Stream
- OSD menu
- Optical Zoom: 20X
- WDR
- Continuous horizontal 360° rotation; Tilt range 0-90°; Preset speed 240°/S, 128 preset; Pattern and vector scan
- IR led range: 100m
- Protection class: IP66
- Power supply: 230 Vac / 24 Vac, 3 Amp
- Compatible with power box item no. 1092/708 and 1092/709

1093/656M2 • Easydome IP D&N 20X with IR Array 1080p
- Sensor: 1/2.7" CMOS
- Sensitivity: Colour: 0.1 lux, B&W 0.1 lux
- H.264/MJPEG
- MAX resolution/fps: 1080P (1920x1080)@25fps
- Double Stream
- OSD menu
- Optical Zoom: 10X
- WDR
- Continuous horizontal 360° rotation; Tilt range 0-90°; Preset speed 240°/S, 128 preset; Pattern and vector scan
- IR led range: 50m
- Protection class: IP66
- Power supply: 230 Vac / 24 Vac, 3 Amp
- Compatible with power box item no. 1092/708 and 1092/709

ACCESSORIES

1093/147 • Bracket for vandal resistant Dome camera 1093/178M2
1092/708 • Power Box for speed dome IP

For the other compatible accessories, please refer to page 38.
Urmet presents a new IP range that tops off its wide offering. The new range includes new camera units and NVR video recorders. The new NVRs include 8Ch and 32Ch solutions for the entry level segment and 8Ch-16ch and 32ch with built-in PoE for the mid-Hi end market. All NVRs feature local video outputs (HDMI and VGA), 1080p resolutions, alarm and audio In/Out, Gigabit network port, 3 USB ports (BOOST 1x3.0 USB for Backup and Update, 2x 2.0 USB for Mouse, digital zoom in playback, E-Sata port for Back-up. As a way to enhance versatility and ease of installation, the new range features Urmet DDNS and, for anyone requiring a higher configuration speed, the P2P function with which it is not necessary to set up the router for managing the video stream through WAN. All NVRs are updated to the latest ONVIF release. Both the new IP cameras and the NVRs feature the same configuration interface (GUI) so that system setup operations are extremely simple and user-friendly. Another asset is UVS, the video centralised management SW that can manage on a single interface up to 128 live video streams [up to 4 monitors] coming from different types of devices of the Urmet range, and namely: DVR with Standard 960H resolution, HD-SDI DVR, AHD, IP Cameras and NVRs. The iUVS app (available for iOS and Android) tops off the standard outfit common to all Urmet products featuring a network interface and, like UVS SW, the app is compatible with all CCTV products in the range. Therefore, Urmet designed solutions for all CCTV product lines that will meet any requirement in terms of range completeness, technical performance, flexibility and scalability.

**NVR BOOST 2.0 SERIES**

**Main Features**
- Complete Range
- PoE Indoor/Outdoor Camera Unit
- Simplified Device Setup (NVR and IP Cameras)
- Wide Range of NVR With and Without PoE
- NVR With 2TB HD Included
- P2P and Urmet DDNS Available For NVR Range
- UVS SW Included
- IUVS App Available For iOS and Android
- Easy Scalability
- Network Ports: Giga Ethernet
- RTSP Function (Video Output Through RTSP Protocol)
- H264 Triple Stream
- IP Wi-Fi Residential Range Management
- IP Camera Firmware Update Directly From NVR
- USB External CD/DVD Burner Mounting Bracket
- Video File Export In .MP4 Format (For Visualisation In MAC Systems)
NVR

1093/908H    NVR 8CH 1080p
- 8 IP video inputs
- Max. recording resolution 1080p
- 1 VGA output / 1 HDMI output
- MAX recording resolution and speed
  - 1080P (1920×1080): 25fps (real time)
- Playback resolution and speed on local video output (PLAYBACK)
  - 1080P (1920×1080): 6ch@25fps
  - 720P (1280×720): D1 (704×576): 8ch@25fps
- Max band that can be managed: 100Mbit
- 2TB HDD included (max 2 HDD)
- 8 inputs / 1 alarm output
- 1x3.0 USB (Backup and Update), 2x 2.0 USB (Mouse)
- Power supply: DC 12V 5A
- Dimensions: 380 (W)X 50 (H)X 340 (D) mm

1093/932H    NVR 32CH 1080p
- 32 IP video inputs
- Max. recording resolution 1080p
- 1 VGA output / 1 HDMI output
- MAX recording resolution and speed
  - 1080P (1920×1080): 25fps (real time)
- Playback resolution and speed on local video output (PLAYBACK)
  - 1080P (1920×1080): 6ch@25fps
  - 720P (1280×720): D1 (704×576): 12ch@25fps
- Max band that can be managed: 200Mbit
- 2TB HDD included (max 2 HDD)
- 8 inputs / 1 alarm output
- 1x3.0 USB (Backup and Update), 2x 2.0 USB (Mouse)
- Power supply: DC 12V 5A
- Dimensions: 380(L) x 50(H) x 340(D) mm

1093/908HP   NVR 8CH 1080p PoE
- 8 IP video inputs
- Max. recording resolution 1080p
- 1 VGA output / 1 HDMI output
- MAX recording resolution and speed
  - 1080P (1920×1080): 25fps (real time)
- Playback resolution and speed on local video output (PLAYBACK) - 1080P (1920×1080): 6ch@25fps
  - 720P (1280×720) / D1 (704×576): 8ch@25fps
- Max band that can be managed: 100Mbit
- 2TB HDD included (max 2 HDD)
- 8 inputs / 1 alarm output
- 1x3.0 USB (Backup and Update), 2x 2.0 USB (Mouse)
- PoE ports: 8
- Power supply: DC 48V 2A (Power unit supplied)
- PoE Switch: CC48V
- Dimensions: 380(L) x 50(H) x 340(D) mm
# NVR

## 1093/916HP

**NVR 16CH 1080p PoE**
- 16 IP video inputs
- Max. recording resolution 1080p
- 1 VGA output / 1 HDMI output
- MAX recording resolution and speed:
  - 1080P(1920×1080): 25fps (real time)
- Playback resolution and speed on local video output [PLAYBACK]
  - 1080P(1920×1080): 6ch@25fps
  - 720P(1280×720): 12ch@25fps
  - D1 (704×576): 16ch@25fps
- Max band that can be managed: 200Mbit
- 2TB HDD included (max 2 HDD)
- 8 inputs / 1 alarm output
- 1x3.0 USB (Backup and Update), 2x 2.0 USB (Mouse)
- PoE ports: 8
- Power supply: DC 48V 2A (Power unit supplied)
  - PoE Switch: CC48V
- Dimensions: 380(L) x 50(H) x 340(D) mm

## 1093/932HP

**NVR 32CH 1080p**
- 32 IP video inputs
- Max. recording resolution 1080p
- 1 VGA output / 1 HDMI output
- MAX recording resolution and speed:
  - 1080P(1920×1080): 25fps (real time)
- Playback resolution and speed on local video output [PLAYBACK]
  - 1080P(1920×1080): 6ch@25fps
  - 720P(1280×720): 12ch@25fps
  - D1 (704×576): 16ch@25fps
- Max band that can be managed: 200Mbit
- 2TB HDD included (max 8 HDD)
- 8 inputs / 1 alarm output
- 1x3.0 USB (Backup and Update), 2x 2.0 USB (Mouse)
- PoE ports: 16
- Power supply: AC 100~240V/ 5A, 50~60Hz
  - PoE Switch: CC48V
- Dimensions: 460(L) x 89(H) x 440(D) mm
NEW IP PROFESSIONAL RANGE

Urmet launches new IP range and offers a series of new solutions targeting also field specialists. The new range expands and includes different types of solutions starting from cameras with 1080P and codec H.264+ (Smart AVC) resolutions up to products with 4M and codec H.265 resolutions and smart video analysis.

The compatibility between all the product lines (old and new) is guaranteed by the UVS professional SW and the iUVS app mainly designed for the final user.

NEW H.265 RANGE

• 4M resolution
• Complete camera range with smart video analysis
• Video tampering
• Cameras with Autofocus motorised lens
• Solutions with SD Slot for local recording, alarm and audio IN/OUT
• ONVIF 2.4
• H.265 triple stream
• PoE

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• 4M resolution
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• Cameras with Autofocus motorised lens
• Solutions with SD Slot for local recording, alarm and audio IN/OUT
• ONVIF 2.4
• H.265 triple stream
• PoE

4M ONVIF TRIPLESTREAM H.265 PoE

NVR H.265 WITH TRIPLE STREAM MANAGEMENT

• Recording/visualisation of cameras with 4K (8M) resolution
• Smart analysis event management
• S.M.A.R.T for HD monitoring
• HD unit management
• E-Sata and USB 3.0 port
• USB external CD/DVD burner mounting bracket
• Smart Search
• Instant Playback on live multiscreen
• Recording Before and After the Event
• P2P
• Urmet DDNS
• Cloud
SOFTWARE SOLUTIONS
FULL TECHNOLOGICAL INTEGRATION WHEN SHOOTING, RECORDING AND CONTROLLING THE VIDEO STREAMS

What is Urmet UVS?

UVS (Urmet Video Smart) is specifically designed for management and centralised video monitoring of medium/large-sized CCTV systems. It includes a Client module used to manage/monitor the whole system either in direct display mode (up to 128 video streams on just one multiscreen grid coming from various systems) or by means of interactive graphic maps; UVS stands out for functional system capacity, scalability and user-friendliness.

Why should you choose it?

→ Each UVS Client controls several devices
→ It centralises remote systems
→ It is easily integrated with different systems
→ It works with all Urmet DVR/NVR
→ It is included in all Urmet devices
→ It is easy to configure/use

How does Urmet UVS work?

1. CONNECTION
Through the LAN integrated port, the DVR or NVR connect to the internet.

2. SETUP
On the Urmet UVS client, it is possible to set up the connection to the device through a simple guided procedure.

3. ACQUISITION
The cameras connected to the DVR/NVR are automatically imported in Urmet UVS.

4. DISPLAY
Through the UVS client it is possible to connect to the remote devices.
ANALOGUE, IP, CLOUD: URMET UVS CONTROLS THEM ALL, WHEREVER THEY ARE

Function Live*
Up to 128 video streams on just one multiscreen grid coming from various systems. The visualisation may be organised by means of a simple drag&drop on four different screens.

Function Playback
For each connected stream, it is possible to visualise remotely on-demand the playback of the recorded images.

Interactive graphic map
Interactive graphic map function: camera POP-UP.

Alarm Management
The system manages all the alarms through a simple control panel.

Operating systems:
Mac 10.8.0
Windows XP-Vista 7-8

Web browser:
Safari 6.0
Explorer 11
Firefox

iUVS APP
iUVS is the app for iOS® and Android® devices that allows the final user to access the video streams present in the system. The key functions of iUVS are as follows:
- Video live streaming of up to 32 channels
- Remote search and playing
- Local playback
- Also available in iUVSpad version (for iPad) and in iUVStab version (for Android tablet)
- Landscape screen mode
- PTZ function
- Support for multiple devices
- Snapshot and video capture

* The number of visualisations per monitor depends on the video stream settings (bit rate, frame rate, resolution) and on the performance of the server used. For installations with a large number of cameras, please contact the Urmet Customer Service.
Video-surveillance 2.0 for your home, office or business. It’s inexpensive, very effective and takes only 5 minutes to install.
URMET CLOUD. SIMPLE AND RELIABLE.

With Urmet Cloud you can:

- Check more cameras, even though they are installed in different places
- Access the cameras with a single user profile, always tuned to all your devices
- Avoid cabling and complex network configuration
- Use the service from any Internet provider

Urmet Cloud offers:

- Indoor and outdoor cameras with high definition, colour images
- Day&Night function for night shooting
- Live Audio with a two-way channel (listen and talk) with the location where the camera is installed
- Presence detector to activate the recording mode and send the alarm in case of intrusion.
- Video recording on an SD card starting automatically in case of an event.

Sample diagram of an Urmet Cloud system
**Indoor and outdoor.**

The Urmet Cloud Cameras are available in indoor and outdoor versions. All models are equipped with infra-red for night vision and a microphone for environmental listening.

**IP cameras indoor**

![Urmet Cloud Cameras](1093/184M1B 1093/184M11 1093/184M12 1093/184M16)

**IP cameras for outdoor**

![Urmet Cloud Cameras](1093/184M15 1093/184M16)

**Up and running in 5 minutes!**

Urmet Cloud IP cameras will impress you for their visual quality and quick and easy installation and set up. No PC required. You just need a smartphone to set up your new system.

Install a camera in five simple steps:

1. **Open the box** to find everything you need: the camera, the mounting bracket, the power unit, the antenna and the quick guide. A couple of connections and you’re good to go!

2. **Register your profile** on Urmet Cloud through the app or on [www.cloud.urmet.com](http://www.cloud.urmet.com)

3. **Plug in** to any socket and ensure that the LED turns on: the camera is working!

4. **Connect the camera** to your router: you can choose whether to use the Wi-Fi or a standard network cable: no configuration needed, the camera is already on-line!

5. **Done!** Now you can connect to your camera at any time. And in case of alarm, you will receive a notice on your cellphone!
THE RIGHT CHOICE TO BE SAFER

Urmet Cloud is suitable for you home, shop or office

Urmet Cloud is the perfect video surveillance system for those who want to keep important private life of professional places under control at all times. The performance level is uncompromising; it is easy to install the cameras and view images on tablet, smartphone or pc.

ADVANTAGES

QUALITY AUDIO AND VIDEO
- HD colour images
- Infra-red night vision
- Talk and listen function

HIGH RELIABILITY
- SD card recording option
- Movement sensor
- Wi-Fi or Ethernet connection

EASY TO INSTALL
- Plug & Play
- Built-in Wi-Fi antenna
- No router configuration required

All devices checked from a single profile

Download the Urmet Cloud Full or Urmet Cloud Lite APP or register on the site www.cloud.urmet.com. With your credentials you may access using the apps for iOS® and Android® mobile devices and add all your cameras to your profile, even if they are installed in different locations. Now you can display all your images in a simple and fast way.

You may leave without worries, choose Urmet Cloud
IP HD SOLUTIONS FOR RESIDENTIAL AREAS

MAIN FEATURES

- Video compression H.264/MJPEG
- HD 720P@30fps
- Night view IR LED
- 3.6mm integrated lens
- Mechanical filter
- Micro SD slot (max. 32GB)
- Two-way audio (speak/listen function)
- Alarm In/Out
- Built-in PIR movement sensor
- Motion detection
- Wi-Fi 11N with integrated antenna /WPS

1093/184M18

WiFi smart HD indoor camera 720P H.264, IR PIR and audio

- Video compression H.264 / MJPEG
- HD 720p@30fps
- Night vision IR LEDs
- 3.6-mm integrated lens
- Mechanical filter
- Micro SD Slot (max. 32 GB)
- Two-way audio (speak/listen function)
- Alarm In/Out
- In-built PIR movement sensor
- Motion detection
- Wi-Fi 11n with integrated antenna / WPS
- Plug & play
- No router configuration
HD IP SYSTEMS
FOR RESIDENTIAL AREAS

MAIN FEATURES
→ VIDEO COMPRESSION H.264/MJPEG
→ HD 720P@30FPS
→ NIGHT VIEW IR LED
→ 3.6MM INTEGRATED LENS
→ MICRO SD SLOT (MAX. 32GB)
→ TWO-WAY AUDIO (SPEAK/LISTEN FUNCTION)
→ MOTION DETECTION
→ WI-FI 11N WITH ENCLOSED NON-INTEGRATED ANTENNA /WPS

1093/184M11

Indoor WiFi IP camera with 3.6mm integrated lens and IR Led
- Video compression H.264 / MJPEG
- HD 720p@30fps
- Night vision IR LEDs
- 3.6-mm integrated lens
- Micro SD Slot [max. 32 GB]
- Two-way audio (speak/listen function)
- Motion detection
- Wi-Fi 11n with integrated antenna / WPS
- Plug&play
- No router configuration

◊ Please contact our sales network to verify product availability
MAIN FEATURES

- VIDEO COMPRESSION H.264/MJPEG
- HD 720P@30FPS
- NIGHT VIEW IR LED
- 3.6MM INTEGRATED LENS
- MECHANICAL FILTER
- MICRO SD SLOT (MAX. 32GB)
- TWO-WAY AUDIO (SPEAK/LISTEN FUNCTION)
- ALARM IN/OUT
- BUILT-IN PIR MOVEMENT SENSOR
- MOTION DETECTION
- WI-FI 11N WITH INTEGRATED ANTENNA /WPS

1093/184M12

Indoor WiFi IP camera with 3.6mm integrated lens, PIR sensor, IR CUT Filter and IR Led

- Video compression H.264 / MJPEG
- HD 720p@30fps
- Night vision IR LEDs
- 3.6-mm integrated lens
- Mechanical filter
- Micro SD Slot (max. 32 GB)
- Two-way audio (speak/listen function)
- Alarm In/Out
- In-built PIR movement sensor
- Motion detection
- Wi-Fi 11n with integrated antenna / WPS
- Plug & play
- No router configuration

◊ Please contact our sales network to verify product availability
HD IP SYSTEMS FOR RESIDENTIAL AREAS

MAIN FEATURES
- VIDEO COMPRESSION H.264/MJPEG
- HD 720P@30FPS
- NIGHT VIEW IR LED
- 3.6MM INTEGRATED LENS
- MECHANICAL FILTER
- MICRO SD SLOT (MAX. 32GB)
- AUDIO IN/OUT
- ALARM IN/OUT
- MOTION DETECTION
- WI-FI 11N WITH INTEGRATED ANTENNA /WPS
- POE 802.3AF

1093/184M14

1093/184M14*
Indoor WIFI IP mini dome camera with 3.6mm integrated lens, IR CUT Filter and IR Led
- Video compression H.264 / MJPEG
- HD 720p@30fps
- Night vision IR LEDs
- 3.6-mm integrated lens
- Mechanical filter
- Micro SD Slot max. 32 GB (SD not included)
- Two-way audio (speak/listen function)
- Alarm In/Out
- Motion detection
- WI-FI 11n – with Nano Dongle USB
- PoE 802.3af
- Plug&play
- No router configuration

* Please contact our sales network to verify product availability.
MAIN FEATURES

→ VIDEO COMPRESSION H.264/MJPEG
→ HD 720P@30FPS
→ NIGHT VIEW IR LED
→ 3.6MM INTEGRATED LENS
→ MECHANICAL FILTER
→ MICRO SD SLOT (MAX. 32GB)
→ AUDIO IN/OUT
→ ALARM IN/OUT
→ MOTION DETECTION
→ WI-FI 11N WITH INTEGRATED ANTENNA /WPS
→ POE 802.3AF

1093/184M15

Compait IP WIFI D&N camera with 3.6mm integrated lens, IR CUT filter and IR Led
- Video compression H.264 / MJPEG
- HD 720p@30fps
- Night vision IR LEDs
- 3.6-mm integrated lens
- Mechanical filter
- Micro SD Slot (max. 32GB)
- Audio In/Out
- Alarm In/Out
- Motion detection
- WI-FI 11n with integrated antenna
- PoE 802.3af
- Plug&play
- No router configuration

* Please contact our sales network to verify product availability.
HD IP SYSTEMS FOR RESIDENTIAL AREAS

MAIN FEATURES
- VIDEO COMPRESSION H.264/MJPEG
- HD 720P@30fps
- NIGHT VIEW IR LED
- VARIFOCAL 2.8-12MM INTEGRATED LENS
- MECHANICAL FILTER
- MICRO SD SLOT (MAX. 32GB)
- AUDIO IN/OUT
- ALARM IN/OUT
- MOTION DETECTION
- WI-FI 11N WITH INTEGRATED ANTENNA /WPS
- POE 802.3AF

1093/184M16
- Compact IP WiFi D&N camera with 2.8-12mm integrated lens, IR CUT filter and IR LED
  - Video compression H.264 / MJPEG
  - HD 720p@30fps
  - Night vision IR LEDs
  - 2.8-12mm integrated lens
  - Mechanical filter
  - Micro SD Slot (max. 32GB)
  - Audio In/Out
  - Alarm In/Out
  - Motion detection
  - WI-FI 11n with integrated antenna
  - PoE 802.3af
  - Plug&play
  - No router configuration

* Please contact our sales network to verify product availability.
HD IP SYSTEMS
FOR H-NVR RESIDENTIAL AREAS

MAIN FEATURES
- VIDEO COMPRESSION H.264/MJPEG
- 4 CH 720P-1080P
- VGA AND HDMI VIDEO OUTPUT
- P2P
- URMET DDNS
- UVS INCLUDED
- iUVS (ANDROID/IOS)
- MOTION DETECTION

1093/900

1093/900

H-NVR 4 CHANNELS 720P-1080P
- 4 IP video inputs
- Max. recording resolution: 1080p
- Frame rate in (max) recording per channel:
  - 25fps (1080P)
- Frame rate on local live/playback screen (max)
  per channel:
  - 4ch@720p@25fps
  - 2ch@720p@25fps + 2ch@1080p@25fps
- Max band that can be managed: 25Mbit
- HDD included 500 GB
- No. 2 USB 2.0
- Power supply: DC 12V 2A
- Dimensions: 200 (W) X 43 (H) X 194 (D) mm

◊ Compatible with 720P and 1080P IP cameras
ACCESSORIES
BALUN
AIRNET
AIRNET ANTENNAS
AIRNET PLUS

VIDEO SURVEILLANCE
ACCESSORIES AND VIDEO TRANSMISSIONS

VIDEO SURVEILLANCE CATALOGUE
SECURITY KITS
INTRODUCTION TO VIDEO SURVEILLANCE
VIDEO SURVEILLANCE AHD SOLUTIONS
VIDEO SURVEILLANCE IP SOLUTIONS
CENTRALISATION SOFTWARE
VIDEO SURVEILLANCE SOLUTIONS FOR RESIDENTIAL AREAS
VIDEO SURVEILLANCE ACCESSORIES AND VIDEO TRANSMISSIONS
720P AHD CAMERAS

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<tr>
<td>1092/271</td>
<td>1092/800 - 1092/801 - 1092/802 - 1092/804</td>
<td>1092/300A - 1092/301</td>
<td>1092/147</td>
<td></td>
<td>1092/148</td>
<td>1090/732</td>
<td>1090/731</td>
<td>1090/726</td>
<td>1090/190</td>
</tr>
</tbody>
</table>

1080P H.264 IP CAMERAS

<table>
<thead>
<tr>
<th>Camera Model</th>
<th>Power units</th>
<th>Junction Box</th>
<th>Brackets</th>
</tr>
</thead>
<tbody>
<tr>
<td>1093/139M2</td>
<td>1092/801 - 1092/802 - 1092/804</td>
<td>1092/148</td>
<td>1092/147</td>
</tr>
<tr>
<td>1093/141M2</td>
<td>1092/801 - 1092/802 - 1092/804</td>
<td>1092/148</td>
<td>1092/147</td>
</tr>
<tr>
<td>1093/142M2</td>
<td>1092/801 - 1092/802 - 1092/804</td>
<td>1092/148</td>
<td>1092/147</td>
</tr>
<tr>
<td>1093/176M2</td>
<td>1092/801 - 1092/802 - 1092/804</td>
<td>1092/148</td>
<td>1092/147</td>
</tr>
<tr>
<td>1093/177M2</td>
<td>1092/801 - 1092/802 - 1092/804</td>
<td>1092/148</td>
<td>1092/147</td>
</tr>
<tr>
<td>1093/178M2</td>
<td>1092/801 - 1092/802 - 1092/804</td>
<td>1092/148</td>
<td>1092/147</td>
</tr>
</tbody>
</table>
1080P AHD CAMERAS


1092/800 - 1092/801 - 1092/802 - 1092/804
1092/300A - 1092/301
1092/147
1092/148
1090/832
1090/809 + 1090/807
1090/732
1090/731
1090/726
1090/190

1080P AHD AND IP SPEED DOME

1092/605   1092/679   1093/656M2   1093/655M2

Power box and alarm board 1092/708 - 1092/709
Adapters 1092/706 - 1092/707
Keypads 1092/621 - 1092/693 - 1092/694
Brackets 1092/710 - 1092/711
### VIDEO POWER UNITS

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>1090/850</td>
<td>230Vac – 15Vdc – 12Vdc power unit</td>
<td>- Power supply: 230 V±10%, 50/60 Hz</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Power: 5 VA rated</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Output: Vout+ 12 V, 0.18 A [with P1 - P2 jumper] Vout+ 15V, 0.18 A (without P1 - P2 jumper)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Protection: PTC thermistor (on secondary circuit)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Operating temperature range: -10° C, + 40° C</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Weight: 300 g</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Dimensions: 65(L) x 63(H) x 45(D) mm</td>
</tr>
<tr>
<td>1092/800</td>
<td>230Vac – 12Vdc – 500mA Plug-in power unit</td>
<td>- Input voltage: 230Vac</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Output voltage: 13.2Vdc - 500 mA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Weight: 105 g</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Dimensions: 28(L) x 40(H) x 74(D) mm</td>
</tr>
<tr>
<td>1092/801</td>
<td>230Vac – 12Vdc – 1200mA Plug-in power unit</td>
<td>- Input voltage: 230Vac</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Output voltage: 13.2Vdc - 1200 mA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Weight: 135 g</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Dimensions: 30(L) x 43(H) x 82(D) mm</td>
</tr>
<tr>
<td>1092/802</td>
<td>DIN rail power unit</td>
<td>- Power unit input: 100-240Vac 50-60Hz</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Power unit output: 13.2VDC – 1.8A</td>
</tr>
<tr>
<td>1092/804</td>
<td>230Vac – 12Vdc – 3A – 4 Output Multi-power unit</td>
<td>- Input voltage: 230Vac</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Output voltage: 13.2Vdc - total 3A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Available outputs: 4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Maximum available current per output: 1.5A [Total 3A]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Weight: 668 g</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Dimensions: 162 (W) x 47 (H) x 162 (D) mm</td>
</tr>
</tbody>
</table>

### ACCESSORIES

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>1090/717</td>
<td>Pole collar for brackets 1090/817 and 1090/807</td>
<td>- Pole: Ø 65 – 110 mm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Weight: 1.2 Kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Dimensions: 110 x 175 mm</td>
</tr>
<tr>
<td>1090/813</td>
<td>Wall bracket for CCD camera, length 140 mm</td>
<td></td>
</tr>
<tr>
<td>1090/814</td>
<td>Wall bracket for CCD camera, length 190 mm</td>
<td></td>
</tr>
<tr>
<td>1092/832</td>
<td>Pole adapter for housing 1092/830</td>
<td>- Pole: Ø 60 -110 mm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Weight: 1.3 Kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Dimensions: 110 x 175 mm</td>
</tr>
<tr>
<td>1090/836</td>
<td>BNC connectors - 4 pcs. pack (screw type)</td>
<td></td>
</tr>
<tr>
<td>1090/837</td>
<td>BNC connectors - 4 pcs. pack (crimp-type)</td>
<td></td>
</tr>
<tr>
<td>1090/840</td>
<td>Camera power cable with 90° connector</td>
<td></td>
</tr>
</tbody>
</table>

### CAMERA UNIT ACCESSORIES

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>1090/190</td>
<td>Microphone for audio applications</td>
<td>Microphone for audio applications, suitable and compatible with the entire camera range. Connectors: Power IN JACK; Power OUT JACK; audio signal RCA. Power supply: 12Vdc ± 10%.</td>
</tr>
</tbody>
</table>
# ILLUMINATORS

<table>
<thead>
<tr>
<th>Model</th>
<th>Outdoor IR illuminator with hood X IR LED, 70m - X degrees</th>
<th>Outdoor IR illuminator with hood X IR LED, 100m - X degrees</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>1092/895</td>
<td>1092/896</td>
</tr>
<tr>
<td>Description</td>
<td>X High-efficiency Infrared LEDs</td>
<td>X High-efficiency Infrared LEDs</td>
</tr>
<tr>
<td></td>
<td>12Vdc – 550mA MAX</td>
<td>12Vdc – 550mA MAX</td>
</tr>
<tr>
<td></td>
<td>Maximum range: 70 metres</td>
<td>Maximum range: 100 metres</td>
</tr>
<tr>
<td></td>
<td>Internal twilight sensor for operation with illumination</td>
<td>Internal twilight sensor for operation with illumination</td>
</tr>
<tr>
<td></td>
<td>level below 10 lux</td>
<td>level below 10 lux</td>
</tr>
<tr>
<td></td>
<td>Dimensions: 72 x 72 x 100 mm</td>
<td>Dimensions: 72 x 72 x 100 mm</td>
</tr>
<tr>
<td></td>
<td>IP66</td>
<td>IP66</td>
</tr>
</tbody>
</table>

## TECHNICAL FEATURES

<table>
<thead>
<tr>
<th></th>
<th>1092/895</th>
<th>1092/896</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of IR LEDs</td>
<td>3</td>
<td>8</td>
</tr>
<tr>
<td>IR wave length</td>
<td>850nm</td>
<td>850nm</td>
</tr>
<tr>
<td>MAX range (using cameras having a sensitivity equal to or higher than 0.3 Lux and F1.3 lens)</td>
<td>70m</td>
<td>120m</td>
</tr>
<tr>
<td>IP degree</td>
<td>IP66</td>
<td>IP66</td>
</tr>
</tbody>
</table>

## GENERAL DATA

<table>
<thead>
<tr>
<th></th>
<th>1092/895</th>
<th>1092/896</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply</td>
<td>12Vdc</td>
<td>12Vdc</td>
</tr>
<tr>
<td>Recommended power unit</td>
<td>1092/801</td>
<td>1092/801</td>
</tr>
<tr>
<td>Dimensions [mm]</td>
<td>672 x 335 x 263</td>
<td>515 x 390 x 370</td>
</tr>
<tr>
<td>Bracket</td>
<td>Included</td>
<td>Included</td>
</tr>
</tbody>
</table>

* Please contact our sales network to verify product availability
## INSTALLATION ACCESSORIES

### VIDEO DISTRIBUTORS

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>1090/726</td>
<td>Video distributor 1 input / 4 outputs</td>
<td></td>
</tr>
</tbody>
</table>
  - Power supply: 230 Vac  
  - S/N ratio: > 55 dB  
  - Weight: 2.2 kg  
  - Dimensions: 216(L) x 44(H) x 240(D) mm |
| 1090/727 | Video distributor 1 input / 8 outputs |  
  - Power supply: 230 Vac  
  - S/N ratio: > 55 dB  
  - Weight: 2.2 kg  
  - Dimensions: 216(L) x 44(H) x 240(D) mm |
| 1090/730 | Miniaturised video distributor |  
  - It is used to distribute the video signal from a camera to up to 4 monitors. It can be installed on the wall or inside a connection box. It must be powered with the 1090/850 power unit using the 12Vdc output without adapter.  
  - Power supply: 15Vdc 30mA  
  - Connections: does not require BNC connectors  
  - Dimensions: 96(L) x 28(H) x 65(D) mm |

### VIDEO AMPLIFIERS

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>1092/729</td>
<td>Video amplifier 1 input / 1 output</td>
<td></td>
</tr>
</tbody>
</table>
  - Video input: 1  
  - Video output: 1  
  - Linear gain: > 13dB  
  - Power supply: 230 Vac  
  - Weight: 2.2 kg  
  - Dimensions: 216(L) x 44(H) x 240(D) mm |

**NOTE:** Not compatible with AHD products

### INSTALLATION ACCESSORIES

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>1092/731</td>
<td>Video isolation transformer</td>
<td></td>
</tr>
</tbody>
</table>
  - Isolation transformer designed for 75 Ohm coaxial video lines. Protects video signals from distortions caused by ground potential differences and proximity to power cables.  
  - Insertion loss: 0.5 dB  
  - Bandwidth: 10 MHz  
  - Input and output impedance: 75 ohm  
  - [Minimum] isolation voltage: 800V  
  - Isolation resistance: 100 MΩhm  
  - ESD protection: 6kV contact discharge - 8kV air discharge  
  - Overvoltage protection: 4kV 10/700 μs  
  - Operating temperature: -20°C + +50°C  
  - Case dimensions: W 55 x D 30 x H 22 mm  
  - Weight: 77 g |
| 1092/732 | Video and data protection filter |  
  - Protection filter designed for coaxial 750hm video lines and RS-485 data lines with relevant power supply. It ensures protection of images and data against voltage peaks, induced and conducted overvoltage and electrostatic discharges.  
  - Protection filter: Video - Data - Power supply  
  - Video insertion loss: 0.3 dB  
  - Response time: < 0.5 ns  
  - Max isolation voltage: 4 kV  
  - Max discharge current: 10 kA  
  - Video bandwidth: 10 MHz  
  - Operating temperature: -40°C - +70°C  
  - Dimensions: W 90 x D 52 x H 40 mm  
  - Weight: 137 g |
ACCESSORIES

KEYPADS

1092/693 Easy Dome IV, Thera 6 and Thera 7 Control Keypad
- 3-axis Joystick for PAN/TILT/Zoom movements
- Max 255 controlled devices
- Wide display for configuration and control
- Power supply: 12Vdc

1092/694 Multi-function keypad
- 3-axis Joystick for PAN/TILT/Zoom movements
- 2 RS485 connections for DVR and Easy Dome/Thera devices
- OSD menu - English language
- Can control up to 32 DVR of the ranges EVOLUTION-SN, SYSTEM, SYSTEM-S, SYSTEM-SN, HYBRID
- It can control up to 255 devices
- Power supply: 100 ~ 240Vac

1092/621 Thera series mini control keypad
The keypad 1092/621 controls Thera Mini dome Camera functions such as swing motion (Pan/Tilt/Zoom) and automatic functions (Preset and Tour).
- Swivel and function controls: Through 30 keys and Joystick
- Protocol: Pelco P - Pelco D
- Serial interface: RS-485
- Baud Rate: 1200, 2400, 4800, 9600, 19200 bps
- Power supply: 12Vdc – 1A with supplied power unit
- Dimensions: 90 (H) x 180 (W) x 165 (D) mm

COMPARATIVE CHART

<table>
<thead>
<tr>
<th>1092/693</th>
<th>1092/694</th>
<th>1092/621</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of axes</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Joystick</td>
<td>YES</td>
<td>YES</td>
</tr>
<tr>
<td>Communication interface</td>
<td>RS-485</td>
<td>RS-485</td>
</tr>
<tr>
<td>OSD</td>
<td>YES</td>
<td>YES</td>
</tr>
<tr>
<td>Display</td>
<td>LCD – 7 segments – 16 cells</td>
<td>LCD – 7 segments – 16 cells</td>
</tr>
<tr>
<td>Protocols</td>
<td>Pelco D, Pelco P, proprietary</td>
<td>Pelco D, Pelco P, proprietary</td>
</tr>
<tr>
<td>Baudrate</td>
<td>1200, 2400, 4800, 9600, 19200 bps</td>
<td>1200, 2400, 4800, 9600, 19200 bps</td>
</tr>
<tr>
<td>Max. no. of controlled devices</td>
<td>Max 255</td>
<td>Max 255</td>
</tr>
<tr>
<td>Power supply</td>
<td>12 Vdc – 1.5 A</td>
<td>12 Vdc – 2 A</td>
</tr>
<tr>
<td>MAX Consumption</td>
<td>5W</td>
<td>5W</td>
</tr>
<tr>
<td>Dimensions (mm)</td>
<td>318 x 180 x 118 mm</td>
<td>360 x 200 x 108 mm</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-10 °C</td>
<td>-10 °C</td>
</tr>
<tr>
<td>Weight</td>
<td>1500 g</td>
<td>3300 g</td>
</tr>
<tr>
<td>Accessories</td>
<td>YES</td>
<td>YES</td>
</tr>
</tbody>
</table>
BALUN FOR AHD SYSTEMS COMPATIBLES WITH CVBS

MAIN FEATURES

- COMPACT SIZE FOR A SIMPLE CONNECTION TO CAMERAS, MONITOR AND VIDEO MANAGEMENT DEVICES.
- 1 BNC VIDEO INPUT AND TERMINAL BOARD FOR CONNECTION WITH UTP CAT5 CABLE
- EXTREMELY EASY TO USE
- NO POWER SUPPLY REQUIRED
- DOUBLE IMPEDANCE AND DISTURBANCE FILTER TO ENSURE IMPROVED SHIELDING AGAINST ANY INTERFERENCE

1092/300A

Two Passive Video Baluns (without signal amplification) for impedance balancing between coaxial cable and UTP cable. Particularly suitable for the transmission/reception of black/white or colour video signal over UTP (Unshielded Twisted Pair) cable.
VIDEO TRANSMISSIONS

VIDEO TRANSMISSION OVER UTP CABLE

- longer wiring distances (max 3000 m);
- commonly available cables;
- a single cable can be used to transmit 4 video signals (through the 4 twisted pairs inside the CAT5 cable);
- high level of protection against atmospheric discharge and electromagnetic induction;
- easy and inexpensive installation;
- high performance;
- suitable for all system types;

Video Balun (Balanced-Unbalanced) devices use UTP CAT5 (or higher) twisted pair cables for transmission of video signals. These ensure the following advantages with respect to coaxial cables.

WIRELESS

These wireless solutions represent the most reliable option for security applications on long distances and in extended public areas.

The different technologies available meet a wide range of data transmission needs, with effective and punctual results.

Urmet's product offer includes:

- remote wave solutions;
- Airnet solutions with broadband IP transmission;
- Airnet plus solutions, with 3G Router.

The best solution for any application context, at your disposal.

SYMBOL KEY

- E Entry Level
- F Full Level
- H High Profile

Professional and convenient products that are easy to install and use.

A comprehensive range of modular products that can be constantly updated and integrated as the system’s use requirements change. All video management solutions allow both local and remote management, with interchange between different systems. A wide choice of devices ideal for building systems with a medium level of complexity.

Products and solutions for large and complex systems, such as those installed in shopping centres, stadiums, museums and high-risk or sensitive areas. Besides the various analogue solutions available, for this specific segment Urmet also recommends its comprehensive IP range.

From video transmission on UTP cable (balun devices) to wireless, remote wave solutions or multiband network transmission: Urmet technology offers different solutions to freely manage system design as best suited to your needs.
**VIDEO TRANSMISSION OVER UTP CABLE**

**BALUN**

**1092/300A**  
Two Passive Video Balun TX/RX  
Two Passive Video Baluns (without signal amplification) for impedance balancing between coaxial cable and UTP cable. Particularly suitable for the transmission/reception of black/white or colour video signal over UTP (Unshielded Twisted Pair) cable.  
- Compact size for a simple connection to cameras, monitor and video management devices.  
- 1 BNC Video Input and terminal board for connection via UTP CAT5 cable  
- Extremely easy to use  
- No power supply required  
- Double impedance and disturbance filter to ensure improved shielding against any interference.  
- The package includes a set of transceivers.

**1092/301**  
Two Passive Video Balun TX/RX with remote power supply  
Passive Video Baluns (without signal amplification) preset with connectors for camera remote power supply; they ensure impedance balancing between coaxial cable and UTP cable. Particularly suitable for the transmission/reception of black/white or colour video signal and remote power supply over UTP (Unshielded Twisted Pair) cable.  
- Compact size for a simple connection to cameras, monitor and video management devices.  
- 1 BNC Video Input and RJ45 connector for connection with UTP CAT5 cable.  
- Extremely user-friendly.  
- No power supply required.  
- Input/output for remote power supply.  
- Double impedance and disturbance filter to ensure improved shielding against any interference.  
- The package includes a set of transceivers.

---

**Entry Level**  
**Full Level**  
**High Profile**
WIRELESS SOLUTIONS AIRNET

MAIN FEATURES

→ MULTI-BANDWIDTH FOR DIGITAL TRANSMISSION
→ SOLUTIONS WITH BUILT-IN OR EXTERNAL ANTENNA (OMNIDIRECTIONAL, SECTORIAL, PANEL OR PARABOLIC ANTENNA)
→ UP TO 200 MBPS BANDWIDTH PER CHANNEL
→ CONFIGURATION, ALIGNMENT AND COST-ESTIMATING SOFTWARE
→ PoE

→ 802.11 A/B/G/N OR A/N STANDARD (DEPENDING ON THE MODEL)
→ DOUBLE-BAND (2.4 - 5.4 GHZ)
→ IP67 (DEPENDING ON THE MODEL)
→ P-P, P-MP CONFIGURATION, REPEATER, BRIDGE
→ REACHABLE DISTANCES UP TO 20 KM
**WIRELESS SOLUTIONS AIRNET**

<table>
<thead>
<tr>
<th>SKU</th>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1094/102N*</td>
<td>5.4 GHz single-band radio system with built-in antenna</td>
<td>5.4 GHz single-band radio system that can be used as CPE, AP (direct connection to one or several cameras with a maximum passband up to 100 Mbit/s) with built-in antenna (gain: 23 dBi 5.4 GHz). Used for point-to-point connections. IP67. Composition: CPE + PoE.</td>
</tr>
<tr>
<td>1094/103N*</td>
<td>2.4/5.4 GHz double-band radio system with double radio interface (external antenna)</td>
<td>Radio system with double radio interface and possible double band - 2.4 GHz and 5.4 GHz - that can be used as CPE, Repeater, AP (direct connection to one or several cameras with a maximum passband up to 100 Mbit/s per radio module) with external antennas. Used for point-to-point and point-to-multipoint or repeater connections. IP67. Composition: CPE/AP + PoE (requires one or several external antennas).</td>
</tr>
<tr>
<td>1094/104N*</td>
<td>2.4/5.4 GHz double-band radio system with triple radio interface (external antenna)</td>
<td>Radio system with triple radio interface and possible double band - 2.4 GHz and 5.4 GHz - that can be used as CPE, Repeater, AP (direct connection to one or several cameras with a maximum passband up to 100 Mbit/s per radio module) with external antennas. Used for point-to-point and point-to-multipoint or repeater connections. IP67. Composition: CPE/AP + PoE (requires one or several external antennas).</td>
</tr>
<tr>
<td>1094/106N*</td>
<td>2.4/5.4 GHz double-band radio system with four radio interfaces (external antenna)</td>
<td>Radio system with four radio interfaces and possible double band - 2.4 GHz and 5.4 GHz - that can be used as CPE, Repeater, AP (direct connection to one or several cameras with a maximum passband up to 100 Mbit/s per radio module) with external antennas. Used for point-to-point and point-to-multipoint or repeater connections. IP67. Composition: CPE/AP + PoE Standard 802.3af (requires one or several external antennas).</td>
</tr>
<tr>
<td>1094/150N*</td>
<td>5.4 GHz Radio KIT with built-in 16dBi antenna</td>
<td>Set of radio systems that can be used as point-to-point connection (direct connection to one or several cameras with a maximum passband up to 100 Mbit/s) with built-in antenna (16 dBi gain). IP67. Composition: 2 CPE + 2 PoE + 2 bracket kits for system tilting.</td>
</tr>
</tbody>
</table>

*Please contact our sales network to verify product availability*
EXTERNAL ANTENNAS FOR AIRNET SERIES

1094/301*  2.4 GHz 12dB Vertically-polarised omnidirectional Antenna, Beam Width of 7°V x 360°H
1094/302  5.4 GHz 17dB Vertically-polarised sectoral Antenna, Beam Width of 120°H
1094/303  5.4 GHz 18dB Vertically-polarised sectoral Antenna, Beam Width of 90°H
1094/304  5.4 GHz 19dB Vertically-polarised sectoral Antenna, Beam Width of 60°H
1094/306  5.4 GHz 19dB Panel Antenna, Beam Width of 16°V x 18°H
1094/307  5.4 GHz 29dB Parabolic Antenna, Beam Width of 4°V x 4°H
1094/308  5.4 GHz 12dB Vertically-polarised omnidirectional Antenna, Beam Width of 7°V x 360°H

TECHNICAL FEATURES

Routing and management protocols
TCP/IP Protocol: Firewall and NAT –, port range, IP protocol (ICMP type, TCP flags and MSS), ToS (DSCP) byte

Data Rate Management - Hierarchical HTB QoS system with bursts; per IP / protocol / subnet / port / firewall mark; PCQ, RED, SFQ, FIFO queue; CIR, MIR, contention ratios, dynamic client rate equalizing [PCQ], bursts, Peer-to-Peer protocol limitation

Point-to-Point tunnelling protocols - PPTP, PPPoE and L2TP; PAP, CHAP, MSCHAPv1 and MSCHAPv2; RADIUS authentication; MPPE encryption; PPPoE; data rate limitation; differentiated firewall.

DHCP - DHCP server; DHCP relay; DHCP client; DHCP multiple networks; RADIUS support

Simple tunnels - IPIP tunnels, EoIP (Ethernet over IP) IPsec - IP security AH and ESP; MODP Diffie-Hellman 1,2,5; MD5 Hashing algorithms; DES, 3DES, AES-128, AES-192, AES-256 encryption algorithms; Perfect Forwarding Secrecy (PFS) MODP 1,2,5 3

Output power / Receiver sensitivity

External radio  Built-in radio

RX Sensitivity | TX Power  | RX Sensitivity | TX Power
--- | --- | --- | ---
802.11a  | -97 | 25 | 802.11a -92 dBm @ 64Mbps to -76 dBm @ 54 Mbps
1Mbit | 24 | 4Mbit | -97 | 25
11Mbit | 24 | 54Mbit | -80 | 21
60Mbit | 24 | 54Mbit | -80 | 24
5Mbit | 22 | 54Mbit | -92 | 22
802.11n 2.4GHz | 97 | 18 | 802.11n -22 dBm @ 64Mbps to 19 dBm @ 54 Mbps
MCS0  | 20MHz | 74 | 17
MCS5 20MHz | -78 | 21
MCS5 20MHz | -75 | 20

Transfer Data Rate

802.11b  11,5,5.2,1 Mbps, auto-fallback
1Mbit  54 Mbps, 48 Mbps, 36 Mbps, 24 Mbps, 18 Mbps, 12 Mbps, 9 Mbps, 6 Mbps.
20MHz 1Nss: 65Mbps @ 800GI, 72.2Mbps @ 400GI [Max]
2Nss: 130Mbps @ 800GI, 144.4Mbps @ 400GI [Max]
40MHz 1Nss: 135Mbps @ 800 GI, 150Mbps @ 400GI [Max]
2Nss: 270Mbps @ 800 GI, 300Mbps @ 400GI [Max]

Supported IEEE standards: 5Ghz 802.11a and 802.11an and 2.4 Ghz 802.11b and 802.11g

Frequencies  2 312 – 2 497 Ghz (5 Mhz step) and 4 920 – 6 100 (5 MHz steps or multiples)

Security  Hardware: 64 and 128 bit WEP; TKIP and AES-CCM encryption; 802.1x WPA authentication

Modulation  802.11b-g: DSSS, OFDM for data rate >30Mbps – 802.11a: OFDM

* Please contact our sales network to verify product availability.
WIRELESS SOLUTIONS
AIRNET PLUS

MAIN FEATURES

→ HSPA/UMTS ROUTER SPECIFICALLY DEVELOPED FOR VIDEO/DATA APPLICATIONS
→ ACTIVATION OF TIMED CONNECTION VIA SMS
→ ALARM SMS
→ AIRNET SMS:
→ UNLIMITED CONNECTIVITY

Freedom of communication with the utmost security:

• SIM Card for on-demand or permanent internet connection through the mobile network.
• VPN Support (Virtual Private Network) for remote user (individual Clients or entire LANs) secure access to the local LAN network with data encryption.
• The advantages of technology: a high transmission speed allows managing traditional applications as well as video streaming.

This new development answers current market trends showing that, as a consequence of the spread of the 3G standard and the increasing speeds available, connectivity via mobile UMTS/ HSPA network has become a valid alternative to broadband connectivity. Connection via HSDPA and HSUPA 3G networks currently ensures download speeds of up to 7.2 Mbps and upload speeds of up to 5.76 Mbps, very close to and in some cases even higher than the speeds offered by ADSL.

• System alarm SMS (with Urmet’s DVR) after an alarm has been activated. By sending an SMS to the device it is possible to activate an internet connection transmitting with the information concerning the duration of said connection. Alternatively, the connection can be automatically activated for a pre-established length of time.
• Possibility to establish secure connections with other networks or computers via Internet. The security of the data transmitted on the “public” network is guaranteed by VPNs (Virtual Private Networks) and the use of IPSec or L2TP/PPTP encryption and authentication protocols.
• The routers of the wireless-WAN series also support advanced Internet functions such as Virtual Server, Dynamic DNS and Email check.

The 1092/202 router can be used for:
• mobile applications
• installation in geographical areas that are not yet covered by ADSL, where UMTS/HSPA/ GPRS/EDGE connectivity is available
• installation where wired Internet access is not available
• as backup system for a standard ADSL network.

1094/202N*
Router 3G with built-in modem
• 1 Ethernet port 10/100 Mbit/s Fast Ethernet
• Supported networks UMTS/HSPA and GSM/GPRS/EDGE
• Used frequencies 900, 1800, 1900 and 2100 MHz
• Can manage streams up to 7.2 Mbps in download and 2.0 Mbps in upload (HSPA)
• URMET configuration software: Airnet plus UTILITY

* Please contact our sales network to verify product availability.
MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS AND ELECTRICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply</td>
<td>12 V DC 1 A</td>
</tr>
<tr>
<td>Device dimensions (W x H x D)</td>
<td>200 x 115 x 35</td>
</tr>
<tr>
<td>Housing material</td>
<td>aluminium</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>from 0°C to +50°C</td>
</tr>
</tbody>
</table>

RADIO SYSTEM CHARACTERISTICS

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPU</td>
<td>Atheros AR7130 300MHz</td>
</tr>
<tr>
<td>Memory</td>
<td>32MB DDR SDRAM (card memory)</td>
</tr>
<tr>
<td>Communication port</td>
<td>10/100 Mbit/s Ethernet port Fast Ethernet with Auto-MDI/X</td>
</tr>
<tr>
<td>Reset</td>
<td>through internal switch</td>
</tr>
<tr>
<td>Power supply</td>
<td>Power over Ethernet: 10-28V DC</td>
</tr>
<tr>
<td>Power consumption</td>
<td>Typically ~3W (maximum 12 W)</td>
</tr>
<tr>
<td>USB</td>
<td>1</td>
</tr>
<tr>
<td>Frequencies</td>
<td>900, 1800, 1900 and 2100 MHz</td>
</tr>
<tr>
<td>Radio Chipset</td>
<td>Atheros AR5414</td>
</tr>
<tr>
<td>Security</td>
<td>Hardware: 64 and 128 bit WEP, TKIP and AES-CCM encryption; 802.1x WPA authentication</td>
</tr>
<tr>
<td>Supported networks</td>
<td>UMTS/HSPA and GSM/GPRS/EDGE</td>
</tr>
<tr>
<td>Max. output power</td>
<td>24 dBm</td>
</tr>
<tr>
<td>Sensitivity</td>
<td>102dBm</td>
</tr>
<tr>
<td>Supplied outfit</td>
<td>Power unit (230V AC – 12V DC) • Stylus antenna</td>
</tr>
</tbody>
</table>

SUPPORTED PROTOCOLS

Routing and management protocols
TCP/IP Protocol: Firewall and NAT –, port range, IP protocol (ICMP type, TCP flags and MSS), ToS (DSCP) byte
Data Rate Management – Hierarchical HTB QoS system with bursts; per IP / protocol / subnet / port / firewall mark; PCQ, RED, SFQ, FIFO queue; CIR, MIR, contention ratios, dynamic client rate equalizing (PCQ), bursts, Peer-to-Peer protocol limitation
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ANTENNA

1094/210 3G Router Antenna

- Frequency range used: 824-960 MHz – 1710-2500 MHz
- Gain: 7 dBi (824-960 MHz) – 9 dBi (1710-2500 MHz)
- Impedance: 50 Ohm
- Wall mount

FEATURES

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>High gain GSM/UMTS external antenna allowing GPRS/EDGE and UMTS/HSPA signal reception</td>
</tr>
<tr>
<td>Installation</td>
<td>Wall mounting</td>
</tr>
<tr>
<td>Frequency range used</td>
<td>824-960 MHz - 1710-2500 MHz</td>
</tr>
<tr>
<td>Impedance</td>
<td>50 Ohm</td>
</tr>
<tr>
<td>Gain</td>
<td>7 dBi (824-960 MHz) – 9 dBi (1710-2500 MHz)</td>
</tr>
<tr>
<td>Connector</td>
<td>N-Female</td>
</tr>
<tr>
<td>Device dimensions (W x H x D) mm</td>
<td>252 x 164 x 50</td>
</tr>
<tr>
<td>Housing material</td>
<td>ABS</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>From -20°C to +70°C</td>
</tr>
</tbody>
</table>

* Please contact our sales network to verify product availability.
AHD VIDEO SURVEILLANCE KITS
AHD VIDEO SURVEILLANCE KITS: TOTAL CONTROL

All you need
to build a basic system.

Two kits suitable for all application scenarios with AHD digital 4-channel video recorder and compact cameras with 3.6 mm lens, or AHD digital 8-channel video recorder and compact cameras with 2.8 - 12 mm lens.
The range.

- **1093/KHD4N** - CCTV KIT with 4-channel AHD DVR Dynamic 2.0 series
  - n. 1 item no. 1093/004AHD - DVR 4Ch AHD 720P REAL TIME P2P
  - n. 2 item no. 1092/250 - D&N AHD 720P 3.6mm lens compact camera
  - n. 2 item no. 1092/800 - 230 Vac 12 Vdc - 500 mA power unit
  - n. 2 Privacy signs

- **1093/KHD8N** - CCTV KIT with 8-channel AHD DVR Dynamic 2.0 series
  - n. 1 item no. 1093/008AHD - DVR 8CH AHD 720P REAL TIME P2P
  - n. 2 item no. 1092/251 - D&N AHD 720P 2.8-12mm lens compact camera
  - n. 2 item no. 1092/801 - 230 Vac 12 Vdc - 1,200 mA power unit
  - n. 2 Privacy signs
EXPORT SALES NETWORK

For assistance and information about Urmet products and systems you can scan this QR code with your smartphone or visit www.urmet.com >> Contacts >> Export Sales Network

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All Urmet products bear the CE mark.