



CCTV

Urmet: your ideal partner for CCTV security

Urmet has developed products implementing state of the art technology for integrated application solutions. The portfolio takes all application and security needs into account, for total results based on consolidated experience. Urmet offers a complete range to installers for designing video surveillance systems suited to all application contexts, from small shops to highly specialised locations, such as museums, airports and public city areas.

new **SL** **PL** **Smart-line** and **Pro-line** series

The best solutions offering more versatile and cost-efficiency cameras: Smart line with 540 TVL resolution and for Pro-line 580 TVL resolution. For tailored projects in terms of costs and performance.

- Camera unit
- Display unit
- Video control devices
- Digital video recorders and IP solutions
- Transmission system



CAMERAS

Colour, black and white.
Day & Night.
A full assortment of lenses
and accessories.



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Lenses
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Housings
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MINI CAMERAS
Invisible eyes
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**BALL
CAMERAS
AND MINI
DOME
CAMERAS**
Technology is miniature
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THERA
Innovation,
professionalism,
cost-effectiveness
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EASYDOME
The CCTV
professionals
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**PAN AND TILT
AND POWER
SUPPLY UNITS**
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MONITORS
A full range of displays
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SCREEN SPLITTERS
Basic video control devices
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**IP cameras and
Megapixel *new***
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NEXT-GENERATION COMPONENTS FOR IP SOLUTIONS



**Video transmission
via UTP wire**
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**Wireless video
transmission**
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**Multiband network
video signal transmissions**
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COMPREHENSIVE VIDEO TRANSMISSION OPTIONS



CAMERAS

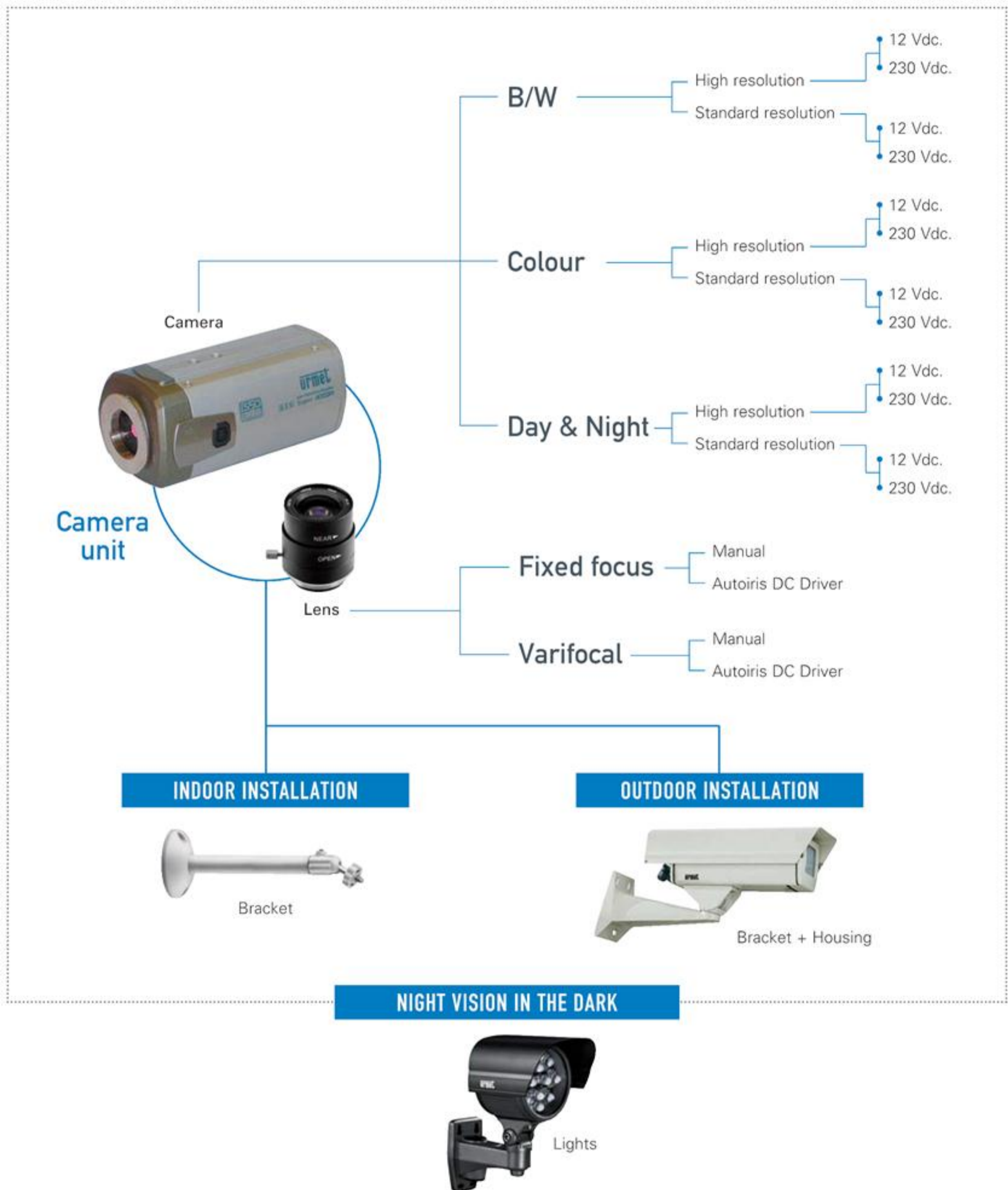


- B/W, colour, day & night cameras
- Lenses
- Accessories
- Housings
- Lights

The Urmet camera portfolio provides answers to the most stringent security needs.

The catalogue includes Day & Night cameras for indoor and outdoor installations with a variety of options: box cameras, mini cameras, mini dome cameras all with appropriate performance for their class.

The following pages introduce the Urmet range. Information is provided to installers for choosing the right product for their needs by referring to technical feature comparison tables.



Camera composition diagram

Urmet cameras are made on the basis of stringent technical specifications to provide the best professional functions. The range of lenses allows a calibrated choice according to location areas and monitoring needs.

The housings are used to protect cameras installed outdoors ensuring optimal performance also in cold places or place exposed to direct sunlight.



CAMERAS

DAY & NIGHT CAMERAS

1092/119 **new** Day & Night camera, 420TVL, power 12Vdc-24Vac

Day & Night camera, 420 TVL, with backlight compensation circuit, gain control and autoshutter.

This camera is particularly indicated for all installations which require flexibility of use and cost-effectiveness.

- Sensor: CCD 1/3" Sony Super HAD
- Minimum sensitivity: 0.5 Lux
- Resolution: 420 TVL lines
- Power: 12Vdc ~24 Vac

Recommended power supply unit: 1092/801

Lens not included (see reference to page 165).

1092/120 **new** Day & Night camera, 420TVL, power 230V

Day & Night camera, 420 TVL, with backlight compensation circuit, gain control and autoshutter.

This camera is particularly indicated for all installations which require flexibility of use and cost-effectiveness.

- Sensor: CCD 1/3" Sony Super HAD
- Minimum sensitivity: 0.5 Lux
- Resolution: 420 TVL lines
- Power: 230 Vac

Lens not included (see reference to page 165).

1092/121 **new** Day & Night camera, 540TVL, power 12V-24Vac

Day & Night camera, 540 TVL, with backlight compensation circuit, gain control and autoshutter. This camera is particularly indicated for all installations which require flexibility of use and cost-effectiveness.

- Sensor: CCD 1/3" Sony Super HAD
- Minimum sensitivity: 0.5 Lux
- Resolution: 540 TVL lines
- Power: 12Vdc ~24 Vac

Recommended power supply unit: 1092/801

Lens not included (see reference to page 165).

1092/122 **new** Day & Night camera, 540TVL, power 230V

Day & Night camera, 540 TVL, with backlight compensation circuit, gain control and autoshutter.

This camera is particularly indicated for all installations which require flexibility of use and cost-effectiveness.

- Sensor: CCD 1/3" Sony Super HAD
- Minimum sensitivity: 0.5 Lux
- Resolution: 540 TVL lines
- Power: 230Vac

Lens not included (see reference to page 165).

1092/162 **new** Day & Night camera, 580TVL, with IR Cut Filter, DSS and DNR, 12V-24Vac power

High-resolution Day & Night camera with mechanical IR Cut filter. The professional features of this camera (including Digital Slow Shutter for filming in very low light conditions and DNR night noise reduction, in combination with 580TVL resolution) make this camera the ideal solution for all installation types. Functional camera parameters can be set using an on-screen display (OSD) menu. This feature places this camera in the professional camera segment.

- Sensor: CCD 1/3" Sony Super HAD
- Minimum sensitivity: 0.5 Lux (colour) / 0.01Lux (B/W) / 0.005 Lux (with sens-up On)
- Resolution: 580 TVL lines
- Mechanically removable IR filter
- Power: 12Vdc ~24 Vac

Recommended power supply unit: 1092/801

Lens not included (see reference to page 165).



1092/121



1092/122

DAY & NIGHT CAMERAS

1092/163 new Day & Night camera, 580TVL, with IR Cut Filter, DSS and DNR, 230V power
 High-resolution Day & Night camera with mechanical IR filter. The professional features of this camera (including Digital Slow Shutter for filming in very low light conditions and DNR night noise reduction, in combination with 580TVL resolution) make this camera the ideal solution for all installation types. Functional camera parameters can be set using an on-screen display (OSD) menu. This feature places this camera in the professional camera segment.

- Sensor: CCD 1/3" Sony Super HAD
- Minimum sensitivity: 0.5 Lux (colour) / 0.01Lux (B/W) / 0.005 Lux (with sens-up On)
- Resolution: 580 TVL lines
- Mechanically removable IR filter
- Power: 230 Vac

Lens not included (see reference to page 165).

DAY & NIGHT CAMERA COMPARISON TABLE

	1092/119	1092/120	1092/121	1092/122	1092/162	1092/163
Sensor	CCD 1/3" Sony Super HAD					
Sensitive elem. (pixel)	512(H)x582(V)		752(H)x582(V)		795(H)x596 (V)	
Sensitivity (lux)	0,5Lux				0,5Lux colour; 0,01Lux B/W; 0,005Lux sens-up ON	
TVL horizontal resol.	420		540		580	
Scanning system	2:1 Interlaced PAL. V:50 Hz, H:15.625 kHz					
Signal/noise ratio (dB)	48dB				52dB	
Synchronisation	Internal					
Optical compatibility	DC Drive / Manual					
Autoshutter	1/50 ~ 1/100.000 sec (ON/OFF)					
White balancing (AWB)	AUTO				Programmable	
Backlight compensation (BLC)	ON/OFF				Programmable	
Gain control (AGC)	ON/OFF				Programmable	
Mechanical removable filter	NO				YES	
Digital noise reduction (DNR)	NO				YES	
Digital Slow Shutter (DSS)	NO				YES	
OSD menu (with Privacy and Motion)	NO				YES	
Power	12Vcc – 24Vca	230Vca	12Vcc – 24Vca	230Vca	12Vcc – 24Vca	230Vca
Consumption	100 mA	3W	100 mA	3W	100 mA	3W
Working temperature	0-50C°					
Dimensions (W x D x H) mm	66 x 125 x 58					
Weight (g)	320					

CAMERAS



1090/110



1092/160



1092/161

DAY & NIGHT CAMERAS

- 📷 1090/110** Day & Night camera, with privacy and DSS functions, OSD menu, 230 Vac power
- 📷 1092/160** Day & Night 550 TVL camera with mechanical IR filter, DSS and SDNR function, 12Vdc power
- 📷 1092/161** Day & Night 550 TVL camera with mechanical IR filter, DSS and SDNR function, 230Vac power

DAY & NIGHT CAMERA COMPARISON TABLE

	1090/110	1092/160	1092/161
Sensor	CCD 1/3" Sony Super HAD		
Sensitive elem. (pixel)	752 (H) x 582 (V)		
Sensitivity (lux)	0,1 – 0,001 (DSS in B/W mode)	0,3 (in colour mode); 0,1 – 0,008 (DSS in B/W mode)	
TVL horizontal resol.	480	550	
Scanning system	2:1 Interlaced PAL. V:50 Hz, H:15.625 kHz		
Signal/noise ratio (dB)	50dB		
Synchronisation	Internal		
Lens compatibility	DC Drive /Video Drive/ Manual	DC Drive /Manual	
Autoshutter	1/50 ~ 1/10.000 sec (ON/OFF)	1/50 ~ 1/100.000 sec (ON/OFF)	
White balancing (AWB)	ON/OFF		
Backlight compensation (BLC)	ON/OFF		
Gain control (AGC)	ON/OFF		
AFlickering control	ON/OFF		
Mechanical removable filter	●		
Digital noise reduction (DNR)	ON/OFF	AUTO (SDNR)	
Digital shutter (DSS)	ON/OFF		
OSD menu	●	-	
Smart backlight compensation (WDR)	ON/OFF (15 levels)	-	
Privacy zones	4	-	
Special functions	Freeze, Mirror, Sharpness, Neg/pos	Zoom elettronico X2	
Titling	●	-	
RS-485 port	●	-	
Power	90~240Vca	12Vcc (±10%)	100~240Vca
Consumption	6W	420mA	5W
Working temperature range	-10+50°C		
Dimensions (W x D x H) mm	124 x 62 x 57	124 x 64 x 57	
Weight (g)	430		

● Yes. NOTE: for power supply units, see page 199. ** Contact the sales network for availability.



1090/141



1092/001A



1092/002A








1092/003



1092/004

BLACK AND WHITE CAMERAS

-  1090/141** Standard-resolution B/W 13" camera, 12 Vdc
-  1092/001A** Medium-resolution B/W camera, 12Vdc - 24Vac
-  1092/002A** Medium-resolution B/W camera, 230Vac
-  1092/003** High-resolution B/W camera, 12Vdc - 24Vac
-  1092/004** High-resolution B/W camera, 230Vac

BLACK AND WHITE CAMERA COMPARISON TABLE

	1090/141	1090/142	1092/001A	1092/002A	1092/003	1092/004
Sensor	CCD 1/3" LG			CCD 1/3" Sony		
Sensitive elements (pixel)	500 (H) x 582 (V)			752 (H) x 582 (V)		
Sensitivity (lux)	0,3/F1,4		0,3/F1,2		0,04/F1.2	
TVL horizontal resol.	380		420		570	
Scanning system	2:1 Interlaced CCIR. V:50 Hz, H:15.625 KHz					
Signal/noise ratio (dB)	48dB			46dB		
Synchronisation	Internal				12 Vcc Internal - 24 Vca Int./Line lock	Internal/ Line lock
Lens compatibility	DC Drive Video Drive/Manual					
Autoshutter	1/50 ~ 1/100.000 sec (ON/OFF)					
Backlight compensation (BLC)	ON/OFF					
Gain control (AGC)	ON/OFF					
Power	12Vcc (±10%)	230Vca	12Vcc (±10%) - 24Vca (±10%)	230Vca	12Vcc (±10%) - 24Vca (±10%)	230Vca
Consumption	120mA	3W	170mA (12Vcc) - 3W (24Vac)	3W	170mA (12Vcc) - 3W (24Vac)	3W
Working temperature	-10+50°C					
Dimensions (W x D x H) mm	123 x 52.8 x 50	137 x 52.8 x 50	121 x 62 x 60			
Weight (g)	240	350	500	500	510	510

** Contact the sales network for availability. **NOTE:** for power supply units, see page 199.

CAMERAS



COLOUR CAMERAS

- 📷 1090/109A** High-resolution colour camera, varifocal lens included, 12Vdc power
- 📷 1090/244** Medium-resolution colour 1/3" CCD camera, 230Vac
- 📷 1092/101** High-resolution colour camera, 480 TVL lines, 12Vdc - 24Vac
- 📷 1092/102** High-resolution colour camera, 480 TVL lines, 230Vac
- 📷 1092/103** High-resolution colour camera, 540 TVL lines, 12Vdc - 24Vac
- 📷 1092/104** High-resolution colour camera, 540 TVL lines, 230Vac

COLOUR CAMERA COMPARISON TABLE

	1090/109A	1090/244	1092/101	1092/102	1092/103	1092/104
Sensore	CCD 1/3" Sony Super HAD					
Sensitive elements (pixel)	752(H)x582(V)	500(H)x582(V)	752(H)x582(V)			
Sensitivity (lux)	0,3/F1,5	0.5/F1,2				
TVL horizontal resol.	550	380	480		540	
Scanning system	2:1 Interlaced PAL. V:50 Hz, H:15.625 KHz					
Signal/noise ratio (dB)	48dB					
Synchronisation	Internal		12 Vcc Int.- 24 Vca Int. Line lock	Internal/ Line lock	12 Vcc Int.- 24 Vca Int. Line lock	Internal/ Line lock
Lens compatibility	Varifocal f4-9 mm (including)	DC Drive, Video Drive/Manual				
Autoshutter	1/50 ~ 1/100.000 sec (ON/OFF)					
White balancing (AWB)	AUTO	ON/OFF				
Backlight compensation (BLC)	ON/OFF					
Gain control (AGC)	ON/OFF					
Flickering control	ON-OFF	-				
Power	12Vcc (±10%)	230Vca	12Vcc (±10%) - 24Vca (±10%)	230Vca	12Vcc (±10%) - 24Vca (±10%)	230Vca
Consumption	250mA	3W	290mA (12Vcc) - 5W (24Vac)	5W	290mA (12Vcc) - 5W (24Vac)	5W
Working temperature	-10+50°C					
Dimensions (W x D x H) mm	126.9 x 54 x 55	137 x 52.8 x 50	121 x 62 x 60			
Weight (g)	390	350	500	500	510	510

NOTE: for power supply units, see page 199. ** Contact the sales network for availability.



LENSES



1090/505-537
1090/538-539

MANUAL LENSES

Code	Focal length (mm)	Pitch	Maximum opening	Horizontal view angle	Lens dimensions (mm)
1090/505**	8	Cs-mount	F1,2	32	33
1090/537	2,8	Cs-mount	F1,2 - C	81	39,5
1090/538**	4	Cs-mount	F1,2 - C	62	33
1090/539**	8	Cs-mount	F1,2 - C	33	33



1090/543-544
1090/548-550

MANUAL VARIFOCAL LENSES

Code	Focal length (mm)	Pitch	Maximum opening	Horizontal view angle	Lens dimensions (mm)
1090/543	3,5 - 8	Cs-mount	F1,2 - C	77 - 3,3	48
1090/544	2,8 - 12	Cs-mount	F1,4 - C	81 - 22	67
1090/548	2,8 - 6	Cs-mount	F1,4 - C	82 - 43	36,8
1090/550	5 - 100	Cs-mount	F1,6 - C	51 - 2,7	80



1090/540-541

AUTOIRIS DC DRIVER LENSES

Code	Focal length (mm)	Pitch	Maximum opening	Horizontal view angle	Lens dimensions (mm)
1090/540	2,8	Cs-mount	F1,2 - 300	81	39,5
1090/541**	4	Cs-mount	F1,2 - 300	62	33

AUTOIRIS VARIFOCAL DC DRIVER LENSES IDEAL FOR DAY & NIGHT CAMERA APPLICATIONS

Code	Focal length (mm)	Pitch	Maximum opening	Horizontal view angle	Lens dimensions (mm)
1090/530	3,5 - 8	Cs-mount	F1 - 360	58 - 26	43,5
1090/552	2,8 - 12	Cs-mount	F1,4 - 300	81 - 22	68
1090/553	5 - 50	Cs-mount	F1,4 - 300	51 - 5	73,5



1090/530

AUTOIRIS VARIFOCAL DC DRIVER LENSES

Code	Focal length (mm)	Pitch	Maximum opening	Horizontal view angle	Lens dimensions (mm)
1090/545	3,5 - 8	Cs-mount	F1,2 - 300	77 - 33	47
1090/546	2,8 - 12	Cs-mount	F1,4 - 300	81 - 28	65
1090/547	5 - 50	Cs-mount	F1,6 - 300	51 - 5	72
1090/549	2,8 - 6	Cs-mount	F1,4 - 300	82 - 43	36,8
1090/551	5 - 100	Cs-mount	F1,6 - 300	51 - 2,7	80



1090/545-546-547
1090/549-551

NOTE: Refer to the CCTV section in DomusDraw rel. 2.71 for calculating range.

** Contact the sales network for availability.



CASES



Adequate camera protection protects camera efficiency. For this reason, Urmet offers a range of rugged material (extruded and die-cast) cases, in addition to accessories such as sun visor, fan and heater for providing effective solutions in all environmental conditions.

All cases have an opening system which makes arranging the camera quick and easy.

CASES

- 📷 **1092/830 new** Outdoor case kit
 - Side opening with slide integrated in case body
 - Extruded aluminium material
 - IP66
 - External dimensions: 140 (W) x 120 (H) x 395 (D) mm
 - Weight: 1760 g
 - Heating kit: 230 Vac
 - BRACKET INCLUDED



1092/830

OUTDOOR CASES

- 📷 **1090/810**** Sealed outdoor case
 - For indoor and outdoor installations
 - Extractable body on slide with fastener
 - External dimensions: 89 (W) x 82 (H) x 214 (D) mm
 - Internal dimensions: 62 (W) x 55 (H) x 160 (D) mm
 - Weight: 0.8 kg
 - Dimensions with hood: 93 (W) x 62 (H) x 225 (D) mm
 - Heater dimensions: 62 (W) x 55 (H) x 65 (D) mm
 - Heating kit: 12 Vdc
 - BRACKET INCLUDED



1090/810

** Contact the sales network for availability. • NOTE: for PTZ see page 196.



CCTV



1090/820



1090/822

OUTDOOR CASES

- | | |
|--|--|
|  1090/820** | Sealed outdoor case <ul style="list-style-type: none"> - External dimensions: 105 (W) x 95 (H) x 315 (D) mm - Internal dimensions: 70 (W) x 65 (H) x 260 (D) mm - Weight: 1.3 kg - Dimensions with hood: 113 (W) x 71 (H) x 370 (D) mm - Heater dimensions: 70 (W) x 65 (H) x 70 (D) mm |
| 1090/821 | Sealed outdoor case <ul style="list-style-type: none"> - External dimensions: 105 (W) x 95 (H) x 315 (D) mm - Internal dimensions: 70 (W) x 65 (H) x 300 (D) mm - Weight: 1.4 kg - Dimensions with hood: 113 (W) x 71 (H) x 410 (D) mm - Heater dimensions: 70 (W) x 65 (H) x 70 (D) mm |
|  1090/822** | Sealed outdoor case <ul style="list-style-type: none"> - External dimensions: 144 (W) x 135 (H) x 350 (D) mm - Internal dimensions: 90 (W) x 85 (H) x 320 (D) mm - Weight: 2.2 kg - Dimensions with hood: 144 (W) x 90 (H) x 470 (D) mm - Heater dimensions: 90 (W) x 85 (H) x 70 (D) mm |

COMMON FEATURES AND PERFORMANCE

- Extruded aluminium
- RAL9002 epoxy polyester paint
- Extractable body on slide with fastener
- Full range of accessories
- Degree of protection: IP66
- Heating kit: 230 Vac
- BRACKET INCLUDED

- | | |
|-----------------|--|
| 1090/809 | Outdoor housing kit <ul style="list-style-type: none"> - Extractable body on slide with fastener - Extruded aluminium material - External dimensions: 105 (W) x 95 (H) x 315 (D) mm - Internal dimensions: 70 (W) x 65 (H) x 300 (D) mm - Weight: 1.4 kg - Degree of protection: IP55 - Heating kit: 230 Vac - BRACKET NOT INCLUDED |
|-----------------|--|

ACCESSORIES

- | | |
|-----------------|--|
| 1090/807 | Bracket for case 1090/809 <ul style="list-style-type: none"> - External wire passage - Capacity: 15 kg - Weight: 0.5 kg |
| 1090/817 | Bracket for cases 1090/820/821/822 <ul style="list-style-type: none"> - External wire passage - Capacity: 15 kg - 2 degrees of freedom - Weight: 0.5 kg |

** Contact the sales network for availability. • NOTE: for PTZ see page 196.



LIGHTS AND ACCESSORIES



1092/890

LIGHTS

- 1092/890** IR ceiling light, 48 IR LEDs
- 48 high-power infrared LEDs
 - 12Vdc - 950mA max.
 - 40 square metres of coverage
 - 160° beam
 - Internal dusk switch for switching on operation with light under 10 lux
 - Dimensions: 105 x 40 mm



1092/891

- 1092/891** IR light with hood, outdoor installation, 6 high-efficiency IR LEDs, 20 m 60 degrees
- 6 high-efficiency IR LEDs
 - 12Vdc - 550mA max.
 - Range: 20 metres
 - 60° beam
 - Internal dusk switch for switching on operation with light under 10 lux
 - Dimensions: 72 x 72 x 100 mm
 - IP66



1092/892

- 1092/892** IR light with hood, outdoor installation, 12 high-efficiency IR LEDs, 40 m 30 degrees
- 12 high-efficiency IR LEDs
 - 12Vdc - 700mA max.
 - Range: 40 metres
 - 30° beam
 - Internal dusk switch for switching on operation with light under 10 lux
 - Dimensions: 100 x 95 x 90 mm
 - IP66



1092/893

- 1092/893** IR light with hood, outdoor installation, 12 high-efficiency IR LEDs, 60 m 60 degrees
- 12 high-efficiency IR LEDs
 - 12Vdc - 1000mA max.
 - Range: 25 metres
 - 60° beam
 - Internal dusk switch for switching on operation with light under 10 lux
 - Dimensions: 100 x 95 x 90 mm
 - IP66



1092/894

- 1092/894** IR light with hood, outdoor installation, 18 high-efficiency IR LEDs, 100 m 15 degrees
- 18 high-efficiency IR LEDs
 - 12Vdc - 1000mA max.
 - Range: 100 metres
 - 15° beam
 - Internal dusk switch for switching on operation with light under 10 lux
 - Dimensions: 118 x 112 x 133 mm
 - IP66



LIGHT COMPARISON TABLE

	1092/890	1092/891	1092/892	1092/893	1092/894
Number of IR LEDs	48	6 (high efficiency)	12 (high efficiency)	12 (high efficiency)	18 (high efficiency)
Max. range (camera with sensitivity equal to or higher than 0.3 Lux and F1.3 lens)	40 m ²	20 m	40 m	25 m	100 m
Opening beam	160°	60°	30°	60°	15°
Dusk sensor	•	•	•	•	•
IP degree	-	IP66	IP66	IP66	IP66
Power	12Vcc	12Vcc	12Vcc	12Vcc	12Vcc
Max. consumption	950mA	550mA	700mA	1000mA	1000mA
Recommended power supply (not included)	1092/801	1092/801	1092/801	1092/801	1092/801
Dimensions (mm)	105 x 40	72 x 72 x 100	100 x 95 x 90	100 x 95 x 90	118 x 112 x 133
Bracket	-	included	included	included	included

• Yes.