

COLOUR CAMERAS



1090/109A

- 1090/109A** High resolution colour camera, varifocal lens included, 12Vdc power
Colour camera with resolution of 550 lines TVL. Compatible dimensions, professional features, integrated varifocal lens and refined style make this camera the ideal solution for all types of installation.
- Sensor: CCD 1/3" line transfer
 - Lens: varifocal 4 - 9 mm./ F = 1.5
 - Minimum sensitivity: 0.3 lux
 - Resolution: 550 TVL lines
 - Power: 12 Vdc \pm 10%
- Recommended power supply unit: 1092/800 or 1092/801 or 1090/850.



1092/242

- 1092/242** Colour 1/3" CCD camera, medium resolution, 12Vdc
Colour camera with resolution of 380 lines TVL. provided with BLC backlight compensation circuit, Auto-shutter and AUTOIRIS connector. This device is particular suitable for all system types in which flexibility of use and system cost-effectiveness are most important.
- Sensor: CCD 1/3" line transfer
 - Minimum light: 0,5 Lux / F1.2
 - Resolution: 380 TVL lines (Horizontal)
 - Power: 12Vdc
- Recommended power supply unit: 1092/801 or 1090/850
Lens not included (see reference page on page 158).



1092/244

- 1092/244** Colour 1/3" CCD camera, medium resolution, 230Vac
Colour camera with resolution of 380 lines TVL. provided with BLC backlight compensation circuit, Auto-shutter and AUTOIRIS connector. This device is particular suitable for all system types in which flexibility of use and system cost-effectiveness are most important.
- Sensor: CCD 1/3" line transfer
 - Minimum light: 0.5 Lux / F1.2
 - Resolution: 380 TVL lines (Horizontal)
 - Power: 100-240 Vac
- Lens not included (see reference page on page 158).



1092/101

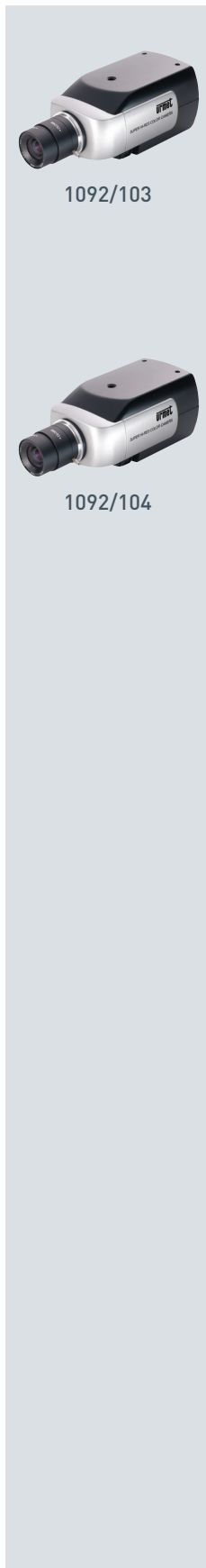
- 1092/101** High resolution colour camera, 480TVL lines, 12Vdc - 24Vac
Colour camera with resolution of 480 lines TVL. provided with BLC backlight compensation circuit, Auto-shutter, white balance and AUTOIRIS connector. This device is particular suitable for all system types in which flexibility of use and technical features are most important.
- Sensor: 1/3" CCD
 - Minimum luminosity: 0,5 Lux F = 1.2
 - Horizontal resolution: 480 lines
 - Power: 12 Vdc (\pm 10%) - 24 Vac (\pm 10%)
- Recommended power supply unit: 1092/801 or 1090/850
Lens not included (see reference page on page 158).



1092/102

- 1092/102** High resolution colour camera, 480TVL lines, 230Vac
Colour camera with resolution of 480 lines TVL. provided with BLC backlight compensation circuit, Auto-shutter, white balance and AUTOIRIS connector. This device is particular suitable for all system types in which flexibility of use and technical features are most important.
- Sensor: 1/3" CCD
 - Minimum luminosity: 0,5 Lux F = 1.2
 - Horizontal resolution: 480 lines
 - Power: 230 Vac
- Lens not included (see reference page on page 158).

NOTE: for power supply units, see page 184.



COLOUR CAMERAS

1092/103 High resolution colour camera, 540 TVL lines, 12Vdc - 24Vac
 Colour camera with resolution of 540 lines TVL. provided with BLC backlight compensation circuit, Auto-shutter, white balance and AUTOIRIS connector. This device is particular suitable for all system types in which flexibility of use and professional features are most important.

- Sensor: 1/3" CCD
- Minimum luminosity: 0,5 Lux F = 1.2
- Horizontal resolution: 540 lines
- Power: 12 Vdc (±10%) - 24 Vac (±10%)

Recommended power supply unit: 1092/801 or 1090/850
 Lens not included (see reference page on page 158).

1092/104 High resolution colour camera, 540 TVL lines, 230Vac
 Colour camera with resolution of 540 lines TVL. provided with BLC backlight compensation circuit, Auto-shutter, white balance and AUTOIRIS connector. This device is particular suitable for all system types in which flexibility of use and professional features are most important.

- Sensor: 1/3" CCD
- Minimum luminosity: 0.5 Lux F = 1.2
- Horizontal resolution: 540 lines
- Power: 230 Vac

Lens not included (see reference page on page 158).

COLOUR CAMERA COMPARISON TABLE

	1090/109A	1090/242	1090/244	1092/101	1092/102	1092/103	1092/104
Sensor	CCD 1/3" Sony Super HAD						
Sensitive elem. (pixel)	752(H)x582(V)	500 (H) x 582 (V)		752 (H) x 582 (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	Internal		12 Vdc Int. - 24 Vac Int./Line lock	Internal/ Line lock	12 Vdc Int. - 24 Vac Int./Line lock	Internal/ Line lock
Lens compatibility	Varifocal f4-9mm (included)	DC Drive, Video Drive/Manual					
Auto-shutter	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	12Vdc (±10%)	12Vdc (±10%)	230Vac	12Vdc (±10%) 24Vac (±10%)	230Vac	12Vdc (±10%) 24Vac (±10%)	230Vac
Consumption	250mA	120mA	3W	290mA (12Vdc) 5W (24Vac)	5W	290mA (12Vdc) 5W (24Vac)	5W
Working temperature	-10+50°C						
Dim. (W x D x H)	126.9x54x55	123x52.8x50	137x52.8x50	121x62x60			
Weight (g)	390	240	350	500	500	510	510

NOTE: for power supply units, see page 184.



1090/110



1092/160



1092/161

DAY & NIGHT

1090/110

Day & Night camera, with privacy and DSS functions, OSD menu, 230 Vac power

High resolution camera with high technological performance. The privacy function can be used to specify four privacy zones which mask certain areas of the screen concealing them from the operator's sight. The Digital Slow Shutter function provides excellent picture quality in poor light conditions by adjusting the CCD reading. Resolution of 480 lines TVL, on-screen menu, WDR (Wide Dynamic Range) function and more make this model professional and suitable for all installation needs.

- Sensor: 1/3" CCD
- Minimum sensitivity: 0.1 lux/0,001 lux (DSS/in B/W mode)
- Resolution: 480 TVL lines
- Mechanically removable IR filter
- Power: 90~240 Vac

Lens not included (see reference page on page 158).

1092/160

Day & Night 550 TVL camera with mechanical IR filter, DSS and SDNR function, 12Vdc power

High-resolution Day & Night camera with mechanical IR filter. The professional features of this camera (such as Digital Slow Shutter for filming in very low light conditions and SDNR noise reduction at night, in combination with a resolution of 550TVL) make this camera the ideal solution for all installation types.

- Sensor: CCD 1/3" Sony
- Minimum sensitivity: 0.3 Lux (colour) / 0.1Lux (B/W) / 0.008 Lux (with DSS On, X32)
- Resolution: 550 TVL lines
- Mechanically removable IR filter
- Power: 12 Vdc

- Recommended power supply unit: 1092/801

Lens not included (see reference page on page 158).

1092/161

Day & Night 550 TVL camera with mechanical IR filter, DSS and SDNR function, 230Vac power

High-resolution Day & Night camera with mechanical IR filter. The professional features of this camera (such as Digital Slow Shutter for filming in very low light conditions and SDNR noise reduction at night, in combination with a resolution of 550TVL) make this camera the ideal solution for all installation types.

- Sensor: CCD 1/3" Sony
- Minimum sensitivity: 0.3 Lux (colour) / 0.1Lux (B/W) / 0.008 Lux (with DSS On, X32)
- Resolution: 550 TVL lines
- Mechanically removable IR filter
- Power: 230 Vac

Lens not included (see reference page on page 158).

NOTE: for power supply units, see page 184.

DAY & NIGHT CAMERA COMPARISON TABLE

	1090/110	1092/160	1092/161
Sensor	CCD 1/3" Sony Super HAD		
Sensitive elements (pixel)	752 (H) x 582 (V)	752 (H) x 582 (V)	
Sensitivity (lux)	0,1 – 0,001 (DSS in B/W mode)	0.3 (colour mode); 0.1 - 0.008 (DSS in B/W mode)	
TVL horizontal resolution	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	
Auto-shutter	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		
Flickering 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	X2 electronic zoom	
Titling	●	-	
RS-485 port	●	-	
Power	90~240Vac	12Vdc (±10%)	100~240Vac
Consumption	6W	420mA	5W
Working temperature range	-10+50°C		
Dim. (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 184.



LENSES



1090/505-537



1090/538-539



1090/543



1090/544



1090/548



1090/550



1090/540-541

MANUAL LENSES

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

MANUAL VARIFOCAL LENSES

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


AUTOIRIS DC DRIVER LENSES

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






NOTE: Refer to the CCTV section in DomusDraw rel. 2.93 for calculating range.

** Contact the sales network for availability.


1090/530
AUTOIRIS VARIFOCAL DC DRIVER LENSES IDEAL FOR DAY & NIGHT CAMERA APPLICATIONS

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


1090/545-546
AUTOIRIS VARIFOCAL DC DRIVER LENSES

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


1090/547-549

1090/551

NOTE: Refer to the CCTV section in DomusDraw rel. 2.93 for calculating range.



HOUSINGS



Adequate camera protection protects camera efficiency. For this reason, Urmet offers a range of rugged material (extruded and die-cast) housings, in addition to accessories such as sun visor, fan and heater for providing effective solutions in all environmental conditions. All housings have an opening system which makes arranging the camera quick and easy.

HOUSINGS

1092/830* **new** Outdoor housing kit

- Side opening with slide integrated in housing body
- Extruded aluminium material
- IP66
- External dimensions: 140 (W) x 120 (H) x 395 (D) mm
- Weight: 1760 g
- Heating kit: 230 Vac
- BRACKET NOT INCLUDED

1092/831	Bracket with fairleads for housing 1090/830
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OUTDOOR HOUSINGS

1090/810 Sealed outdoor housing

- 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 NOT INCLUDED

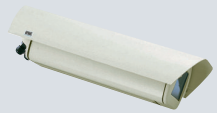


1090/810

* Available as from second quarter 2009. • NOTE: for PTZ see page 182.



1090/820



1090/822

OUTDOOR HOUSINGS

- 1090/820 Sealed outdoor housing**
- 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 housing**
- 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 housing**
- 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 NOT INCLUDED

- 1090/809 Outdoor housing kit**
- 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 housing 1090/809**
- External wire passage
 - Range: 15 kg
 - Weight: 0.5 kg
- 1090/817 Bracket for housings 1090/820/821/822**
- External wire passage
 - Range: 15 kg
 - 2 degrees of freedom
 - Weight: 0.5 kg

NOTE: for PTZ see page 182.