

PRO 100 & PRO 1000 Series
Ultra Miniature B/W & Color CCD Camera

Micro Size, top of the line, B/W and color cameras are only about 1 inch square, operating on 12VDC and featuring electronic iris to adjust automatically to prevailing light conditions. Because of the small size the cameras are well suited for all security applications as well as machine vision, robotics and computer network.

PRO-100 (B/W)



PRO-1000 (Colour)



PRO-110 (B/W)



PRO-1100 (Colour)



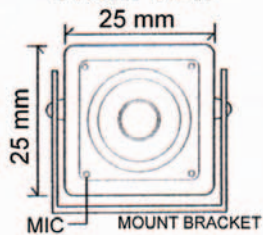
PRO-110SP (B/W)



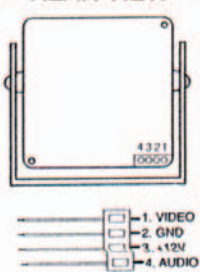
PRO-1100SP (Colour)



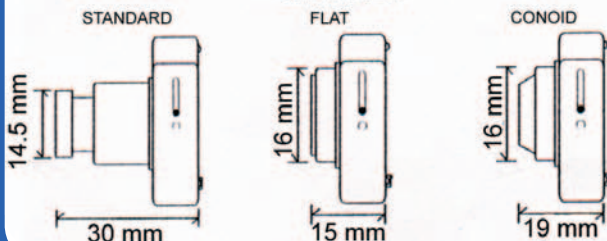
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Features

- Extremely low power consumption
- Color CCD 1/4" format
- Low illumination
- Maintenance free
- Best quality image
- Compact and light
- High Resolution
- Built in electronic auto iris lens
- Built in BLC ON
- Internal Synchronization

Optional Accessories

Interchangeable Micro Lenses:
 1.7 mm, 2.1 mm, 2.9 mm, 3.6 mm, 6 mm,
 8 mm, 12 mm, 16 mm, 25 mm.

Interchangeable Micro Conical Pinhole Lenses:
 2.5 mm, 6 mm, 10 mm, 15 mm, 30 mm,
 45 mm, 70 mm.

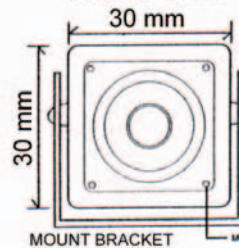
Pro-60H, 60ft cable harness with connectors
 for power/audio/video.

V-PS12-500, Regulated 12 VDC Power Adapter.

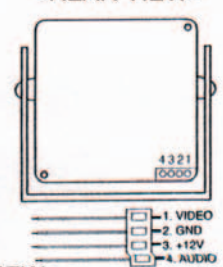
PRO-100 Ultra Miniature B/W CCD Camera
In metal enclosure w/audio & 2FT cable
 Pro-100 > Interchangeable Lenses
 Pro-110 > Flat Pinhole Lens
 Pro-110SP > Conical Pinhole Lens

PRO-1000 Ultra Miniature Color CCD Camera
In metal enclosure w/audio & 2 FT cable
 Pro-1000 > Interchangeable Lenses
 Pro-1100 > Flat Pinhole Lens
 Pro-1100 > Conical Pinhole Lens

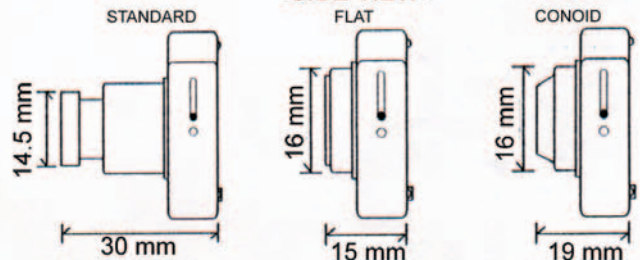
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Specification

PRO-100 Ultra Miniature B/W CCD Camera

Image Pick-up Device	1/3" CCD area sensor	
TV System	EIA, CCIR	
Number of Pixels	EIA : 510 (H) x 492 (V)	CCIR 510 (H) x 582 (V)
Pixel Pitch	EIA : 9.6/uM (H) x 7.5/uM	CCIR : 9.6/uM (H) x 7.5/uM
Scanning System	EIA : 525 Lines, 60 Fields/Sec	EIA : 625 Lines, 50 Fields/Sec
Sync System	Internal Sync	
Resolution	380 TV Lines	
Usable Illumination	0.5 Lux F 2.0	
S/N Ratio	More Than 46dB	
Gamma Characteristic	0.45 (Gamma : 1 Option)	
Video Output	1.0 Vp-p 75 Ohm	
Electronic Shutter Time	EIA : 1/60 ~ 1/100,000 Sec	CCIR : 1/50 ~ 1/100,000 Sec
Power Supply	DC 12V	
Power Consumption	110 mA (MAX)	
Lens	3.6 mm 92 Deg F 2.0 (Standard)	
Dimensions	25 mm(W) x 25mm (H) x 30mm(D)	
Weight	Approx.. 70 grs	
Audio S/N Ratio	More Than 35 dB	
Audio Output Level	1 Vp-p / 600 Ohm (Camera to Monitor)	
Audio Frequency Range	20 Hz to 20 KHz	

PRO-1000 Ultra Miniature Color CCD Camera

Image Pick-up Device	Interline Transfer CCD 1/4" Format	
TV System	NTSC, PAL	
Number of Pixels	NTSC : 510(H) x 492(V)	PAL : 510(H) x 582(V)
Scanning System	2:1 interlaced	
Sync System	Internal Sync	
Resolution	NTSC : 380 TV Lines	PAL : 350 TV Lines
Usable Illumination	1.0 Lux F 2.0	
S/N Ratio	More than 46 dB	
Gamma Characteristic	0.45 (Gamma :1 Option)	
Video Output	1.0 Vp-p 75 Ohm	
Electronic Shutter	NTSC : 1/60 ~ 1/100,000 Sec	PAL : 1/50 ~ 1/100,000Sec
Power Supply	DC 12V	
Power Consumption	160 mA (MAX)	
Lens	3.6 mm 92 Deg F2.0 Standard	
Operation Temp.	-10°C - +50°C RH95% (MAX)	
Storage Temp.	-20°C - +60°C RH95% (MAX)	
Dimensions	30 mm(W) * 30 mm(H) * 30 mm(D)	
Weight	Approx.. 100 Grs	
Audio S/N Ratio	More Than 35 dB	
Audio Output Level	1 Vp-p / 600 Ohm (Camera to Monitor)	
Audio Frequency Range	20 Hz - 20 KHz	



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