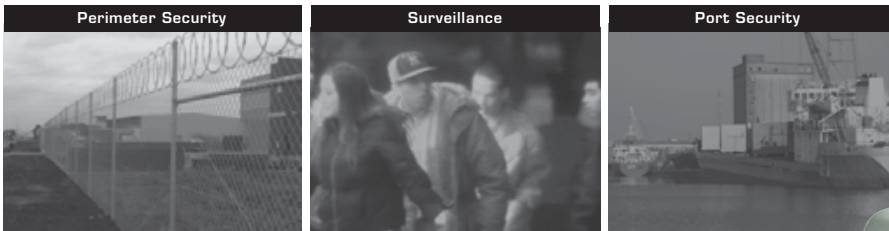


SunStar™ 300



Ultra Low-Light Security Camera Breaks the 0.00005-Lux Barrier!

The SunStar 300 delivers quality video imagery at light levels that starve traditional video cameras. As light levels decrease, the camera's unique intra-frame and inter-frame video signal processing features turn on all the way down to light levels as low as 0.00005 lux. Additionally the camera's advanced 1/3-inch CCD sensor incorporates advanced micro-optics to boost overall quantum efficiency. The high-resolution monochromatic camera is ideal for day/night security applications and features very high intra scene dynamic range that minimizes bright light source blooming.

SunStar 300 is compatible with a wide selection of C-mount lenses. Consult with your Electrophysics dealer to learn how SunStar can help you see in the dark.



Experience the difference.

Increased low-light performance up to 600 times over traditional CCTV systems!

Standard Low-Light CCTV



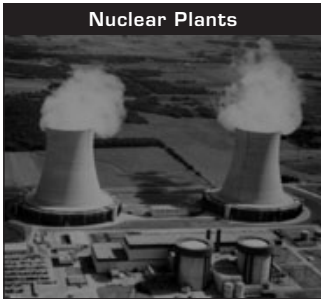
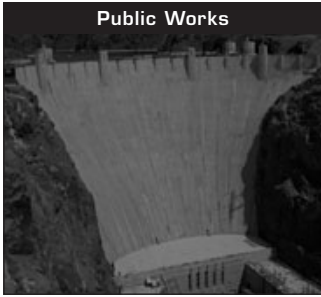
Using SunStar 300



Features	Benefits
• Low-Light Sensitivity (0.00005 lux)	• Increase your CCTV performance up to 600 times
• Wide dynamic range	• Limited blooming when viewing bright light sources in the field of view
• Video image processing solution	• Lower costs than intensified and thermal camera solutions
• 1/3-inch CCD	• Wide range of standard C-mount lenses to choose from
• Compact size	• Easy integration into standard housings

SunStar™ 300

A design that delivers **superior performance** in critical low light applications.



Please call us to discuss how the SunStar 300 can meet your specific application requirements.



373 Route 46, Fairfield, NJ 07004
973.882.0211 fax: 973.882.0997
info@electrophysics.com
www.nightvisioncameras.com

Specifications

	SUNSTAR 300 RS-170	SUNSTAR 300 CCIR
Image Array Type	Silicon CCD	Silicon CCD
Sensitivity at 5% Modulation (f1.4 optic)	0.00005 lux	0.00005 lux
Pixel Size	6.35 x 7.40 µm	6.25 x 6.50 µm
Imaging Size	6.00 x 4.96 mm	6.00 x 4.96 mm
Array Format	768 x 494 pixels	752 x 582 pixels
Spectral Response	400 to 1060 nm	400 to 1060 nm
Limiting Resolution	580 TV Lines	580 TV Lines
Signal to Noise (with AGC off)	52 dB	52 dB
Video	RS-170	CCIR
Dimensions without Connectors	48(W) x 50(H) x 57(L) mm	48(W) x 50(H) x 57(L) mm
Weight	225 g without Lens	225 g without Lens
Input Voltage	10 to 12.5 VDC (regulated)	10 to 12.5 VDC (regulated)
Input Power	6 Watts	6 Watts
Lens Mount	C & CS-Mount	C & CS-Mount
Auto-Iris Signals	Video and DC	Video and DC
Operating Temperature	-10° C to +40° C	-10° C to +40° C
Storage Temperature	-20° C to +60° C	-20° C to +60° C

Ordering Information

ITEM	DESCRIPTION
SunStar 300 Day/Night Camera Video Standard: RS-170 Part #: 914355	Low-light, one-third inch CCD, black and white, day and night video camera, with sensitivity down to 0.00005 lux. Includes 12.5 VDC power supply.
SunStar 300E Day/Night Camera Video Standard: CCIR Part #: 914356	Low-light, one-third inch CCD, black and white, day and night video camera, with sensitivity down to 0.00005 lux. Includes 12.5 VDC power supply.
C-Mount Lenses	
L12.5 mm F/1.4 AI Part #: 914432	Fixed 12.5 mm focal length, f1.4 auto-iris lens.
L16 mm F/1.4 AI Part #: 914430	Fixed 16 mm focal length, f1.4 auto-iris lens.
L25 mm F/1.4 AI Part #: 914428	Fixed 25 mm focal length, f1.4 auto-iris lens.
L50 mm F/1.8 AI Part #: 914426	Fixed 50 mm focal length, f1.8 auto-iris lens.
L75 mm F/1.8 AI Part #: 914424	Fixed 75 mm focal length, f1.8 auto-iris lens.
Z16-160 mm F/1.8 AI Part #: 914471	16 to 160 mm focal length, f1.8 auto-iris zoom lens.
Z17-374 mm F/2.3 AI Part #: 914362	17 to 374 mm focal length, f2.3 auto-iris zoom lens.
Lens Controllers	
Bench-Top Part #: 914363	Bench-top unit, controls zoom and focus for specified zoom lenses.
Handheld Part #: 914539	Handheld unit, controls zoom and focus for specified zoom lenses.