

DEFIANT-IR

INDUSTRIAL GRADE DOME



Defiant-IR Industrial Grade Dome

by Rugged Cams™

Simply the **best camera** in the Rugged Cams™ lineup with the absolute best specs in the industry including: a Heater & Blower to reduce condensation and fogging, the ability to withstand temperatures as low as -25°F all the way to 140°F and can withstand water depths of greater than 6'.

The Rugged Cams™ Defiant-IR isn't just a great camera, it's setting the bar for the industry.

More About the Defiant-IR

The Defiant-IR Dome Camera is not only the best Infrared camera in the Rugged Cams lineup, but also has the best specs in the industry. 35 built-in Infrared LED's throw out light up to 100' at night (80' outdoors), and with 2 different IR Beam spreads (36° and 56°), provides wide and narrow angle lighting for more even IR illumination.

With a built-in Heater & Blower, the Defiant-IR prevents condensation and fogging from rapid temperature changes, and keeps the camera nice and warm down to -25° below zero. The Blower operates full time and the Heater comes on at 41°F and turns off at 45°F.

The Defiant-IR is vandal-proof, Installer-friendly and can be mounted in a variety of ways: Base mounted, Flush Mounted or with the optional Wall Mount (see examples on page 2).

This Dual Voltage, High Resolution Dome Camera has True Wide Dynamic Range (WDR) and a True Day/Night mechanical filter change lens which helps to deliver 700 lines of Resolution from a 1/3" SONY Chipset.

The Defiant-IR has several sets of gaskets and is totally sealed, making it completely Waterproof. Defiant Domes are tank tested at greater than 6' of water and Certified to IP68 standards.

The Defiant-IR comes with our exclusive Rugged Cams™ **Two-Year Warranty** and **Lifetime Tech Support**.



SPECIAL FEATURES

35 Built-In Infrared LED's • 700 Lines of Resolution • 1/3" Sony LCD • Dual Voltage (12V DC or 24V AC)
True Day/Night Mechanical Lens Filter (ICR) • On-Screen Display (with plug-in keypad)
3D Digital Noise Reduction (DNR) • Sens-Up Function (x 512 steps) • WDR (Wide Dynamic Range)
Zero Defect Picture Correction • Eclipse Function (can be turned on to reduce bright lights, headlights, etc)
Heater & Blower Built In (-25°F to 140°F) • Mirror Function • Motion Detection • Base Mount
Flush Mount or Optional Wall Mount • Waterproof/Sealed to IP68 Standards

The Rugged Cams™ Defiant-IR Industrial Grade Dome comes standard with:
2-Year Warranty and Our Exclusive Lifetime Tech Support

SPECIFICATIONS

DEFIANT-IR

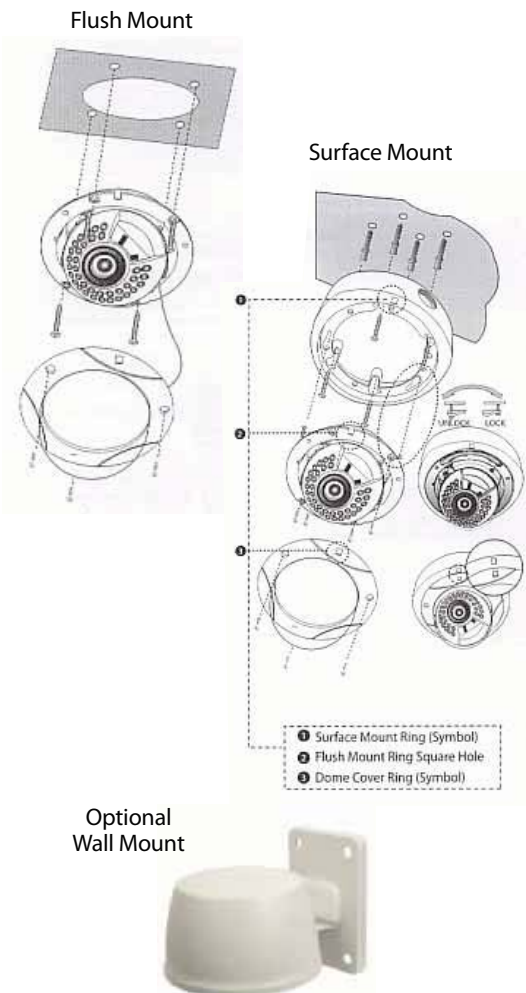
TV System	NTSC	PAL (Special Order)
Sensor	1/3" 960H IT CCD with 35 Units 850nm Infrared LEDs	
Total Pixel	1020(H) X 508(V)	1020(H) X 596(V)
Effective Pixel	976(H) X 494(V)	976(H) X 582(V)
Synchronization	Internal	H/V 15.734/59.94Hz
	Line Lock	H/V 15.750/60Hz
Scanning System	2:1 Interlace	
Horizontal Resolution	700 TV Lines (Max.)	
Min. Illumination	Sens-Up Off	0.12Lux(15IRE), 0.2Lux(30IRE), 0.4Lux(50IRE) F1.2
	Sens-Up On	0.0002Lux(15IRE), 0.0005Lux(30IRE), 0.0008Lux(50IRE) F1.2
Video Output	1.0Vp-p/ 75ohm Video 0.714Vp-p	
γ Correction	0.45, 0.5, 0.6	
S/N	More than 52dB(AGC off)	
O.S.D	LENS,E-SHUTTER, BACKLIGHT, WDR, AGC, SENS-UP, WHITE-BALANCE, DAY&NIGHT, MOTION, MIRROR, SHARPNESS, GAMMA, DNR ECLIPSE, PRIVACY, COMMUNICATION, SYNC, TITLE, LANGUAGE, DPC	
Electrical Shutter	1/60~1/100,000	1/50~1/100,000
Privacy Masking	8 Windows(Polygonal, 8 Colors)	
Day & Night	COLOR / BW / AUTO / EXT	
Motion Detection	ON / OFF	
Sens-Up(Low Shutter)	OFF ~x512	
SYNC	AUTO / INTERNAL / DIGITAL LINE LOCK	
White Balance	ATW / AWC / MANUAL / PUSH	
WDR	ON / OFF(WDR LEVEL, WEIGHT)	
WDR Level	120dB Max.	
3D-DNR	ON / OFF(OFF, LOW, MID, HIGH)	
MIRROR	ON / OFF	
NEGA	ON / OFF	
ECLIPSE	ON / OFF	
AGC	LOW / MIDDLE / HIGH / OFF	
Lens	ICR 2.8~12mm DC Auto Iris	
Operating Temperature/Humidity	-25°F to 140°F	
Storage Temperature/Humidity	20% ~90%	
Power(Max.)	AC/DC	DC12V 250mA, AC24V 90mA (Heater @ 1/2 Power on 12VDC)
	AC only	AC 24V 560mA (HEATER ON, BLOWER ON)
Dimension(mm)	178(Ø) x 113(H)mm	
Weight	approx 1.1Kg (Full Package)	

Design and specifications are subject to change with notice.

Comparison Images



Camera Mounting



HEATER & BLOWER INCLUDED!

Dealer Info:



Visit Us Online
www.rugged-cctv.com

Toll-Free
866.301.2288

