

# STARDOT

## H.264

MULTI-MEGAPIXEL SECURITY CAMERA



H.264, M-JPEG  
Plus ANALOG

1.3, 3 or 5  
MEGAPIXEL

DAY/NIGHT

## ***STREAMING SIMULTANEOUS H.264, MJPEG and ANALOG***

- Increases Bandwidth Efficiency with H.264 Streaming
- Simultaneous H.264, M-JPEG Plus Analog Video
- Outputs up to 5 Megapixel, 1080P, 720P and NTSC/PAL
- Available in 1.3, 3 and 5 Megapixel
- Up to 15 Times More Resolution than CCTV Cameras
- Internal Events trigger NVR / Email / FTP
- Power Over Ethernet, 12VDC or 24VAC
- Integrated Video Motion Detection
- Automatic Day/Night IR Filter
- Operates to -40° Without Heater
- DC Auto Iris Support

***UNPARALLELED CUSTOMIZATION AND SCALABILITY***



1-877-275-1616  
[www.StarDot.com](http://www.StarDot.com)

# STARDOT

# H.264

MULTI-MEGAPIXEL SECURITY CAMERA

## IMAGING

- All Models: RGB, CMOS, Frame Transfer, Up to 30 FPS
- 5MP: 2592x1944 / 3MP: 2048x1536 / 1.3MP: 1296x976
- Light Sensitivity: 0.3 Lux color, 0 Lux in IR mode (on IR models w/ IR illuminator)
- Automatic (with manual override) Day/Night mechanical IR filter mechanism (on IR models)
- Video out BNC, allows viewing of video on standard CCTV monitor, MUX, DVR
- Exposure range: 1/48,000 second - 0.7 seconds
- Auto/manual exposure, auto/manual color balance, sharpening, auto/manual haze, defective pixel replacement
- Contrast enhancement, gamma correction, DNR (digital noise reduction), adaptive image resolution (low light)
- Integrated video motion detection
- Customizable date/time/text overlay
- Lens Mount: Industry standard CS-Mount (C-Mount compatible)
- Operating System / CPU
- uClinux operating system / Motorola Coldfire CPU
- Built-in web server, telnet server, email client and FTP client
- Supported protocols: TCP/IP, HTTP, FTP, ARP, NTP, Telnet, Daytime, X/Y/Z modem
- 32MB DRAM, 4MB Flash Memory, 32MB Imaging Buffer
- Security: Password-protected user accounts for viewing and configuring NetCam SC
- Image format: JPEG, M-JPEG, adjustable quality/file size, H.264 up to 5 Megapixel
- **H.264:**
  - H.264 up to **5 Megapixel**
  - Compression Standard: AVC / H.264 (ISO/IEC 14496-10)
  - Adaptive Search Range Estimation
  - Variable GOP Structure: I-Only and IP
  - Profiles Supported: Baseline
  - System Latency: < 33ms (ultra low mode)
  - Levels of Compression: 30
  - VBR (variable bit rate) and/or CBR (constant bit rate)
  - Fixed 16 by 16 and 8 by 8 block sizes for easier decode
  - All 16 by 16 intra prediction modes supported, optionally only the easiest for decode
  - Selectable P frame count
  - Full sensor speed compression, most sizes 30fps, highest resolution @ 10fps
  - JPEG available at full speed when using H.264
  - Compatible with any baseline decoder implementation
  - Designed using features selected for easier decode on multi-playback NVR systems

## CONNECTIVITY

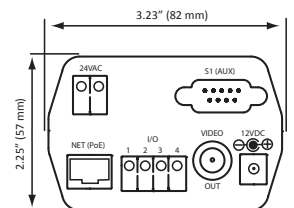
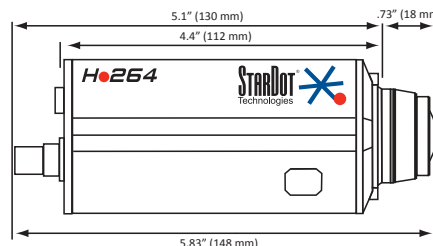
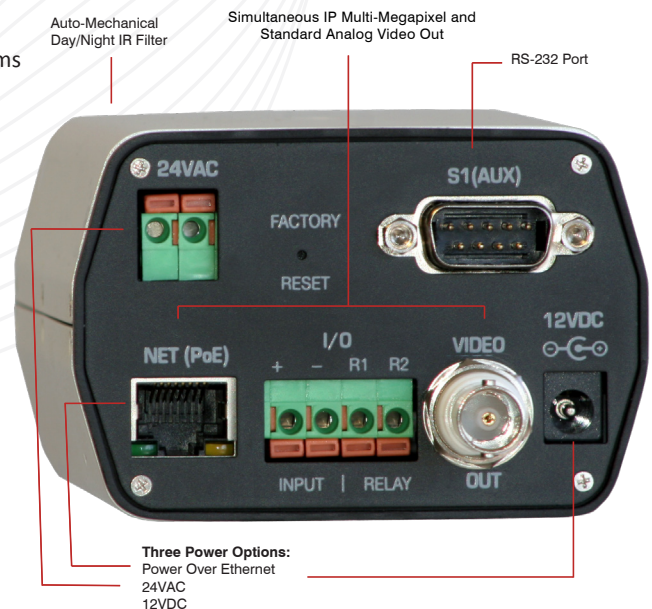
- 1 x 10/100-baseT Ethernet, RJ-45, PoE 802.3af (Power over Ethernet)
- 1 x BNC Video Output (NTSC/PAL)
- 1 x DC Auto Iris Connector
- 1 x RS-232 Serial Port, DB9 Male, up to 115.2Kb/s
- 1 x fully isolated digital alarm input
- 1 x fully isolated relay rated at 28VDC 2A or 125VDC 0.5A

## PHYSICAL

- Dimensions: 3.23" W (82mm) x 2.25" H (57mm) x 4.4" L (112mm)
  - Included (removable) ¼" tripod mount adds 0.4" (10.1mm) to height
  - BNC video connector adds 0.7" (18mm) to length
  - Included lens adds 1.1" (27.9mm) to length
- Weight: 14 ounces (397 grams)
- Case: Aluminum clam shell body, argentan alloy front cover
- Mounting: Universal ¼" tripod mount, top or bottom of camera
- Operating temperature range: -40° - +122° F (-40° - +50° C)
- Power Options:
  - 10-20VDC, 500mA @ 12V
  - 802.3af approved PoE switch or PoE power injector (48VDC)
  - 24VAC
- EMI Approval: FCC, Class A, CE (EN55024)

## Available Models

SDH500BN	H.264 5MP with Day/Night
SDH500B	H.264 5MP
SDH300B	H.264 3MP
SDH130BN	H.264 1.3MP with Day/Night
SDH130B	H.264 1.3MP



www.stardot.com  
6820-H Orangethorpe Ave  
Buena Park, CA 90620 USA  
1-877-275-1616  
714-908-2380 • 714844-4336 Fax