



# 5.0 Megapixel Network Bullet Camera

5.0 Megapixel / True Day/Night / 1/3" CMOS

- 1/3" Progressive Scan CMOS image sensor
- 15 fps @ 2560 x 1920 (QXGA),  
30 fps @ 1920 x 1080 (FHD / 1080p)
- H.264/MJPEG dual codec
- Enhanced imaging with 3D Digital Noise Reduction (3D DNR) and Digital Wide Dynamic Range (D-WDR)
- Additional features include: motion detection, tampering detection, privacy masking and event notification
- PoE (Power over Ethernet)
- True day/night (ICR)
- 2-way audio support
- IP68 weather rated

**Bracket not included**



## Specifications

### Camera

Image Sensor	1/3" CMOS
Scanning Mode	Progressive Scan
Resolution	Up to 2560 x 1920
Effective Pixels	Approx. 5.0 Megapixel
Minimum Illumination	Color : 0.1 Lux @ F1.6 (AGC max.) B/W : 0 Lux (IR on)
Day/Night	ICR (Auto/Day/Night)
Wide Dynamic Range	D-WDR (Low/Middle/High)
Electronic Shutter (sec)	1/30 ~ 1/10000 (Auto/Manual)
Gain Control	Auto
White Balance Mode	Auto
Sense-up (DSS)	Yes, 2x ~ 16x
Noise Reduction	3D DNR
Wavelength Range	850 nm
IR Array Range	82 ft
Beam Angle	30°

### Lens

Lens Type	Varifocal
Zoom Ratio	3.3x
Focal Length	3 ~ 10mm
Iris	Auto
Focus	Manual
Horizontal Viewing Angle	88° (Wide) ~ 27° (Tele)
F-number	F1.6

### Video

Video Compression Format	H.264 (MPEG-4Part 10/AVC), MJPEG
Codec Streaming Capability	Dual streaming, Multiple profiles
Maximum Frame Rate	15 fps @ 2560 x 1920, 30 fps @ 1080p
Bit Rate	128 kbps ~ 10 Mbps
Bit Rate Mode	CBR, VBR

### Audio

Audio Streaming	Two-way
Audio Compression Format	AMR, G.711 @ 64 kbps, G.726 @ 32 kbps

### Features

Motion Detection	Yes
Event Notification	Relay Out, Email, FTP
Privacy Mask	Yes
Video Analytics	Tamper Detection

### Interface

Ethernet	RJ-45 10/100 BASE-T
Audio Input	1x In
Audio Output	1x Out
Sensor Input	1x In
Alarm Output	1x Out
SD Card Slot	1x Micro SD
RS-485	Yes (2 Pin)

### Network

Protocols	RTSP/RTP/UDP/RTSP/RTP/TCP/RTSP/RTP/HTTP tunneling, LAN Multicast, Multipart-JPEG IPv4, IPv6, HTTP, UDP, TCP, ICMP, IGMP, ARP, DHCP, NTP, SMTP, FTP, SAMBA, UPnP, PPPoE, DNS, DDNS, RTSP, RTP, RTSP/ONVIF
Security	Password Protection
Number of Connections	Up to 20

### General

Power Requirements	PoE / DC12V
Power Consumption	IR On : 7.8 W / IR Off : 4.8 W
Weight	2.82 lbs
Dimensions (in.)	3.88 (Ø) x 10.01 (D)
Operating Temperature	-4°F ~ 122°F
Storage Temperature	-22°F ~ 140°F
Operating Humidity	0% ~ 95% RH, Non-condensing
Ingress Protection	IP68
Color / Material	Semi Gloss White, Gray / Aluminum
Approvals	CE, FCC, Class A, RoHS

### System Requirements

Operating System	Windows XP Professional, Windows VISTA, Windows 7
Processor	Intel Pentium 4 2.4 GHz or later
Memory	1 GB or above RAM
Web Browser	Microsoft Internet Explorer 6.0 or above

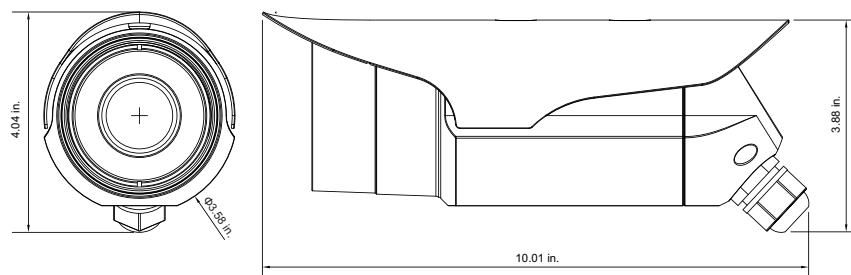
### Supplied Accessories

CD ROM (User's Guide, Camfinder Utility, 3VMS Suite)
Installation Manual
Sunshield



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## Product Diagram:



## Features:

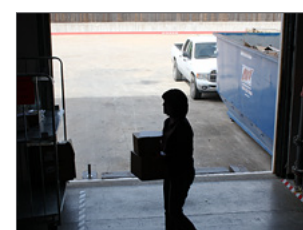
### 5.0 Megapixel Resolution

Cover even more space or zoom in for more detail



### Digital Wide Dynamic Range

Get a clear view in less than ideal lighting conditions



Underexposed



Perfect Exposure

**3D Digital Noise Reduction (3D DNR)**  
Filter out noise even in low-light conditions



**Progressive Scan**  
Delivers faster transmission speeds and sharper details



## Suggested Accessories:

Security Camera Wall  
Mount Bracket

HMMB-G90004



Member of:



Product Certification:

