



# 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 (QSXGA),  
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, RTCP, 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

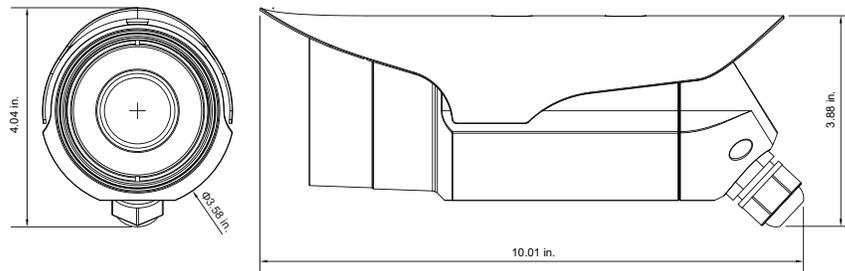
### Supplied Accessories

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



# 5.0 Megapixel Network Bullet Camera

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:

