

## 6.0 MEGAPIXEL 165' IR VARIFOCAL WDR OUTDOOR BULLET IP SECURITY CAMERA

Integrated IR LEDs enable the camera to see up to 165' in the dark

- + Produces up to 6.0 megapixel resolution @ 24 fps
- + This camera features Advanced Infrared Technology, which includes:
  - Smart IR reduces over-exposure of the IR LEDs at the center of the image
  - Full Frame Illumination produces a wider illumination spread and reduces video noise, while reducing bandwidth consumption
- + Integrated IR LEDs enable the camera to see up to 165' in the dark
- + D-WDR and 3D-DNR enhance image quality in variable and low-light conditions
- + 2.8-12 mm motorized auto focus lens automatically adjusts focus and simplifies installation
- + 94.5° (Wide) - 30.5° (Tele) field of view
- + H.264 OVC improves image quality and reduces bandwidth requirements
- + Advanced video content analytics provide intelligent alerts
- + Built-in heater protects the camera's components during cold weather
- + IP67 weather-rated enclosure provides all-weather protection
- + ONVIF Profile S compliant and ONVIF Profile G approved
- + PoE (802.3af, 802.3at)
- + Micro SD card slot supports up to 128GB micro SD cards (Memory card sold separately)
- + Free Alibi Witness iOS/Android mobile app



### What's Included

- + Mounting template
- + Gang box adaptor plate
- + Junction box
- + Set of mounting hardware
- + Quickstart guide
- + CD-ROM (installation tools and instructions)



## FEATURES

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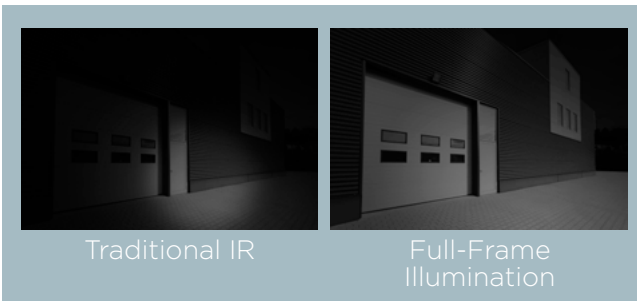
## FEATURES



**Megapixel Resolution** – Cover more area and see more detail. Megapixel cameras can cover a larger area without compromising image quality. Megapixel resolution cameras deliver high-definition images with much greater detail. They are ideal where a greater level of detail is needed, such as for facial recognition and license plate identification.



**Smart IR** – Captures clear, sharp images in low light. Smart IR (smart infrared) automatically adjusts the amount of infrared light used to illuminate a scene as the subject moves closer to or further away from the camera, resulting in optimal exposure and a sharp, clear image that is neither washed out or too dark.



**Full Frame Illumination** – Illuminates more area. Full Frame Illumination (FFI) delivers a wider IR illumination spread and produces a brighter, clearer picture in low light and at night – without hot spots. FFI reduces video noise, for a clearer image, along with reducing bandwidth consumption and video storage requirements.

**H.264 OVC (Optimized Video Codec)** – Improves image quality and reduces bandwidth requirements. H.264 OVC is a next-generation video compression format of the well-known H.264 video codec. H.264 OVC is an optimized compression technology that improves image quality and reduces bandwidth for security applications. It also allows for faster, more fluid remote viewing, along with the ability to view more channels remotely.

**Motorized Varifocal Lens** – Simplifies installation. The camera features a motorized varifocal lens that offers easy adjustment of the camera's focal length and simplifies installation. The lens automatically focuses, eliminating user focus errors.



**Digital Wide Dynamic Range (D-WDR)** – Gain a clear view in diverse lighting conditions. This feature enables the camera to produce clearer images in less than ideal lighting conditions. D-WDR balances the contrast of light and shadow to improve visibility in dark areas within a scene.



**3D Digital Noise Reduction (3D-DNR)** – Get exceptional video image quality with less noise. 3D-DNR incorporates frame-to-frame noise reduction with spatial noise reduction to produce clear video images with less noise, in low light conditions. Noise reduction is critical for video because noise affects image quality. Cameras with 3D-DNR produce sharper, more accurate video images.

**True Day/Night (ICR)** – Enjoy around-the-clock surveillance. Our day/night cameras with true day/night (ICR) deliver a sharp image in low light and nighttime conditions. An IR cut filter blocks out infrared light to produce true-to-life color images during the daytime. In low light conditions and at night, the filter is removed, letting infrared light pass through to provide crisp, well-defined black and white images.



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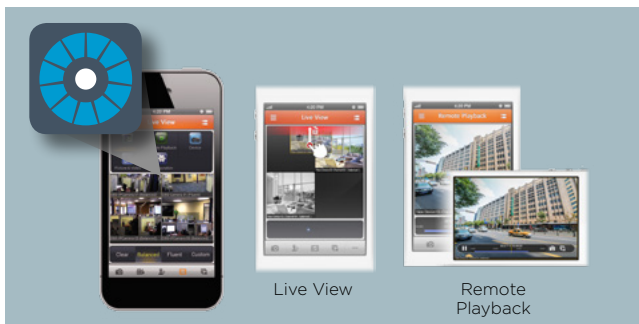
## FEATURES

### **Video Content Analytics (VCA)** – Delivers intelligent alerts.

The camera features advanced built-in video content analytics, such as line crossing and intrusion detection, to deliver more precise alerts and recordings, reduce false positives, and save hard drive storage requirements.

### **Built-in Heater** – Withstands cold temperatures.

The camera features a built-in heater which makes it ideal for use in cold climates. The heater helps to protect the camera's electrical components, prevents fogging and condensation, and keeps it operational in freezing temperatures. The all-weather construction supports a wide temperature operating range so that the camera is able to withstand sub-zero temperatures.



**Free Alibi Witness iOS/Android App** – View your video remotely from anywhere. Enjoy convenient remote access from your iOS or Android device with a FREE app.

**Power over Ethernet (PoE)** – Receive power and data through a single cable. PoE allows IP (internet protocol) devices to receive power and data over existing LAN (local area network) cabling. This eliminates the need to install a separate power cable, simplifies installation, and lowers cabling costs.

**ONVIF Profile S Compliant** – Enjoy greater compatibility with more devices. This product conforms to ONVIF (Open Network Video Interface Forum) specifications for IP-based security products. ONVIF defines a common protocol for the exchange of information between different network video devices from different manufacturers, to allow greater interoperability in multi-vendor network video systems.



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## SPECIFICATIONS

CAMERA	
Image Sensor	1/1.8" CMOS
Scanning Mode	Progressive Scan
Resolution	Up to 3072 x 2048
Effective Pixels	Approx. 6.0 Megapixel
Minimum Illumination	Color: 0.014 Lux B/W: 0 Lux (IR ON) True Day/Night ICR)
Day/Night	1 - 1/100,000
Electronic Shutter (sec)	Digital
Wide Dynamic Range	Auto
Gain Control	Auto
White Balance Mode	Auto
Noise Reduction	3D DNR
IR Illuminators	Smart IR Array, 850nm
IR Array Range	165 ft
IR Sensitivity	700 - 1100nm
LENS	
Lens Type	Motorized Varifocal
Focal Length	2.8 - 12mm
Iris	DC Driven Auto
Focus	Auto/Semiautomatic/Manual
Horizontal Viewing Angle	94.5° (Wide) ~ 30.5° (Tele)
F-number	F1.4
VIDEO	
Video Compression Format	H.264 (Baseline/Main/High Profile), H.264 OVC (Optimized Video Codec), MJPEG
Codec Streaming Capability	Tri Streaming
Maximum Frame Rate	24fps @ 3072 x 2048
Bit Rate	32 kbps ~ 16 Mbps
Bit Rate Mode	CBR, VBR
AUDIO	
Audio Streaming	Two-way
Audio Compression Format	64Kbps (G.711) / 16Kbps (G.726) / MP2L2
FEATURES	
Motion Detection	Yes
Event Notification	Alarm Output, Email, FTP
Privacy Mask	Yes
ROI Encoding	Up to 24 areas with adjustable levels
Defog	Yes
Video Analytics	Line Crossing Detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal, Scene change detection, Sudden audio increase/decrease detection, Defocus detection, Face Detection, Object Counting

INTERFACE	
Ethernet	RJ-45 10/100 BASE-T
Audio Input	1x In
Audio Output	1x Out
Sensor Input	1x In
Alarm Output	1x Out (up to DC24V 1A or AC24V 500mA )
Video Output	1Vp-p Composite Output (75 Ω, BNC)
SD Card Slot	1x Micro SD/SDHC/SDXC (up to 128GB)
NETWORK	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour, ONVIF, PSIA
Security	One-key reset, flash-prevention, dual streams, heartbeat, mirror, password protection, privacy mask, Watermark, IP address filtering, Anonymous access
Network Storage	NAS (Support NFS, CIFS/SMB)
GENERAL	
Power Requirements	PoE (IEEE802.3af/at) / 12 Vdc
Power Consumption	12 W max (heater off), 18 W max (heater on)
Weight	4.41 lbs
Dimensions	4.09" H x 3.94" W x 12.28" D
operating Temperature	-22°F ~ 140°F (heater off), -40°F ~ 140°F (heater on)
Operating Humidity	0% ~ 95% RH, Non-condensing
Ingress Protection	IP67
Color	White/Black
Material	Aluminum (body), Polycarbonate (lens cover)
Approvals	CE, FCC, RoHS
SYSTEM REQUIREMENTS	
Operating System	Windows XP/VISTA/7/8/10, Mac OSX
Processor	Intel Pentium 4 3.0 GHz or later
Memory	1 GB or above RAM
Display	1024 x 768 resolution or higher
Web Browser	Internet Explorer 6.0 or above, Apple Safari 5.02 or above, Mozilla Firefox 3.5 or above"
SUPPLIED ACCESSORIES	
	CD ROM (User's Guide, Installation Tools) Quickstart Guide Mounting Hardware and Template Junction Box Gang Box Adaptor Plate