3.0 MEGAPIXEL 165' IR VARIFOCAL WDR OUTDOOR BULLET IP SECURITY CAMERA

High frame rate is ideal for capturing sharper detail during fast-moving activity

+ Produces up to 3.0 megapixel resolution @ 45 fps, 1080p full-HD @ 60 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

+ True 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

+ 91.2° (Wide) – 28.3° (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)

ONVIF | S   3.0 Megapixel   IP

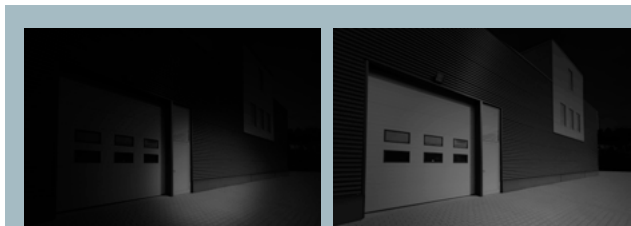# FEATURES

FEATURES

6.0 Megapixel Resolution

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.

Without Smart IR   With Smart IR

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.

Traditional IR   Full-Frame Illumination

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.

True Wide Dynamic Range (WDR) – Gain better images in diverse lighting conditions. This feature enables the camera to take multiple images while capturing video at different exposure levels. It combines the images for the best balance, and compensates for lights and darks for perfectly exposed images in both bright and shadowed areas of a diversely lit scene. True WDR also reduces video noise.

With DNR   Without DNR

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.

FEATURES

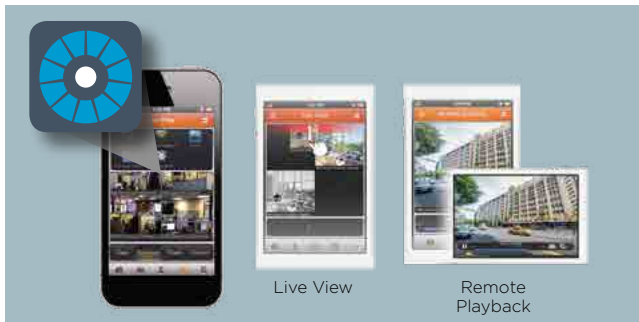**Video Content Analytics (VCA)** – Delivers intelligent alerts. The camera features advanced built-in video content analytics, such as line crossing and intrusion detection, to deliver more precise alerts and recordings, reduce false positives, and save hard drive storage requirements.

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.

Live View

Remote Playback

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.

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)
Day/Night	True Day/Night ICR)
Electronic Shutter (sec)	1 ~ 1/100,000
Wide Dynamic Range	Digital
Gain Control	Auto
White Balance Mode	Auto
Noise Reduction	3D DNR
IR Illuminators	Smart IR Array, 850nm
IR Array Range	100 ft
IR Sensitivity	700 - 1100nm
Panning Range	0° ~ 355°
Tilting Range	0° ~ 75°
Rotation Range	0° ~ 355°

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

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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 Ouput	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 / 24 Vac
Power Consumption	12 W max (heater off), 17 W max (heater on)
Weight	4.62 bs
Dimensions	5" H x 6.49 Dia
operating Temperature	-22°F ~ 140°F (heater off), -40°F ~ 140°F (heater on)
Operating Humidity	0% ~ 95% RH, Non-condensing
Ingress Protection	IP66
Impact Protection	IK10
Color	White
Material	Aluminum (body), Polycarbonate (bubble)
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