ZN-NH21VE

520 TVL Megapixel IP Box Camera (H.264)

H.264 | 2 MEGAPIXEL

DUAL STREAM | VSoIP COMPATIBLE

OSD | MOTION DETECTION

PoE | RS485

AUDIO IN / OUT | VIDEO ANALYSIS

* Image for Illustration purposes only
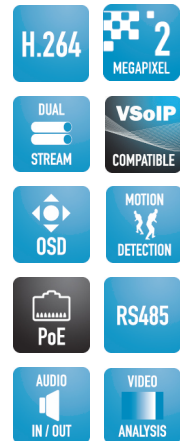
The ZN-NH21VPE is a part of the GANZ Megapixel range of IP cameras. These cameras are designed to be used as a part of GANZ's end to end IP security management suite VSoIP. The ZN-NH21VPE uses GANZ's class leading H.264 compression engine and also has MJPEG as secondary compression mechanism. Built around an Aptina 1/3" Progressive scan 2Megapixe CMOS sensor, the camera can deliver crystal clear images of up to UXGA (1600 x 1200) resolution with up to full frame rate motion. The ZN-NH21VPE offers dual encoding and streaming functionality where two independent streams can be derived with different compression algorithms, bitrates, frame rates and resolutions as standard. The ZN-NH21VPE is ideal for both indoor and outdoor applications where high resolution images are required.

The Megapixel range boasts of mechanical IR cut filters for superior night time operation, onboard basic Video Content Analysis, Bi-directional audio, onboard micro-SD, onboard USB and digital input/output as standard. Advanced Video Content Analysis filters are available for this unit as an order option. The built-in Power-over-Ethernet support allows the camera to be powered directly from the network, with just a single CAT5/6 cable, reducing installation/maintenance time and costs.

Key Features

- Dual-stream H.264 video
- 1600x1200 UXGA resolution
- Multi video resolution settings at up to D1
- Unicast or Multicast
- Multi-Digital Signal Processing
- Bi-direction Audio input and output

- Aptina 1/3" Progressive Scan CMOS
- Digital Slow Shutter
- Serial communication port for PTZ controls
- Web Interface for live viewing and configuration
- Metal Body with top or bottom mount
- 1 Alarm Input / 1 Relay Output

V1.01

ZN-NH21VE

## Super high resolution MP IP Box camera

Specifications

Description / Model	ZN-NH21VE
CAMERA MODULE	
Image Sensor	Aptina (Micron) 1/3.2" (4:3) CMOS 2M
Effective Pixels	1600 x 1200 (UXGA, 2M)
Scanning System	Progressive Scan
Dynamic Range	71dB
S/N Ratio	Max 42.3dB
Minimum Illumination	0.5 Lux(50IRE), 0.1 Lux(DSS x5 ON)
Lens	C/CS Mount (Not supplied)
Colour/Mono	Software Day/Night
Shutter Speed	1/60 ~ 1/120,000 (PAL)
Gamma Correction	0.45
Gain Control	OFF / LOW / MIDDLE / HIGH
Synchronisation	Internal
Back Light Compensation	OFF / LOW / MIDDLE / HIGH
White Balance	AWB / ATW / AWC / MANUAL (1,800K ~ 10,500K)
Sens Up	OFF / AUTO
Digital Noise Reduction	OFF / LOW / MIDDLE / HIGH

AUDIO	
Audio Input	Linein, 1.43p-p(Min 1.35Vp-p, max 1.49 Vp-p) 39 Ohm
Audio Output	Lineout, 46mW Power, 16 Ohm
Compression Format	G.711
FUNCTION	
1 x Digital Input	TTL level 4.5V threshold, Max 50mA
1 x Digital Output	Max 500mA@24VAC or 1A@12VDC
RS-485/422	RS-485 only
Network	10/100 Base-T
Protocol	TCP/IP, UDP/IP, HTTP, RTSP, RTCP, RTP/ UDP, RTP/TCP, SNTP, mDNS, UPnP, SMTP, SOCK, IGMP, DHCP, DDNS, SSL v2/ v3, IEEE 802.1X, SSH
USB Memory	Mini-B Plug
SD Memory	MicroSD (optional)

NB. Specification subject to change without notification

(Unit:mm)

Front view

Top view
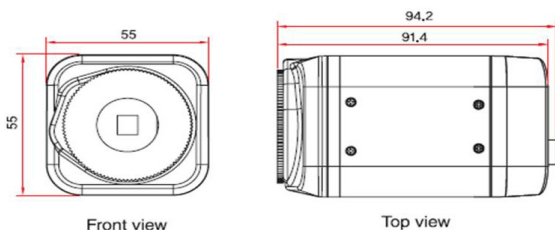
VIDEO	
Megapixel Compression	H.264 (ISO14496-10), MJPEG
Number of Streams	Dual Stream, Configurable
Resolution	UXGA, SXGA, HD720, XGA, D1, 4CIF, VGA, CIF, QVGA, QCIF
Video Bitrates/Bandwidth	32 Kbps to 6 Mbps
Deinterlacing	Yes (DSP)
Motion Detection	Yes (DSP)
Burnt-in Text (Digital)	Yes

ELECTRICAL	
Power Source	12V DC (DC Jack)
Power over Ethernet	Yes (IEEE 802.3af)
Power Consumption	340 mA @ +12V (Approx)
Approvals	All A/C driven sources are U/L approved Certfications: CE/EN/FCC/NEMA 4 EN
ENVIRONMENTAL	
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)
Storage Temperature	-25°C ~ 70°C (-13°F ~ 158°F)
Operating Humidity	Up to 85% RH (Non-condensing)
MECHANICAL	
Material	Aluminum Die Casting
Colour	Grey
Dimension	55(W) x 55(H) mm, 94.2(D) mm
Weight (Approx)	270g (without lens)
MANAGEMENT	
Control	Intuitive Web Browser Interface/VSoIP
Video Content Filters (Included as Standard)	Motion Detection, Tamper Detection
High Performance	Advanced Tracking Algorithm, Low False Alarm Rate
Detection Zones	Multi-segment Polygons and Lines
On-screen Display	Real-time Display of Tracking Data and Events

VIDEO CONTENT ANALYSIS (Upgrade)	
Detection Behaviour	Direction, Stopping, Loitering, Entering, Exiting, Appear, and Disappear Filters
3D Behaviour	Perspective Corrected Size and Speed Filters
Statistics	Counters, Events, Incidents, Triggers, Alarms

IMAGE STABILISATION (Upgrade):	
Electronic Stabilisation	Removes Camera Sway
WARRANTY	
Warranty Period	3 Years

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CBC GROUP

RoHS 2002/95/EC   CE

QMS ISO 9001 REGISTERED FIRM