ZN-DWNT350VPE

550 TVL Impact Resistant WDR H.264 Colour IP Dome Camera

H.264	RS232 RS485
550 TVL	VSoIP COMPATIBLE
DUAL STREAM	MOTION DETECTION
PoE	RS232 RS485
AUDIO IN / OUT	VIDEO ANALYSIS
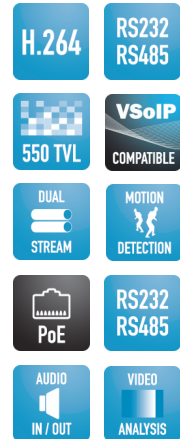
ZN-DWNT350VPE is a part of the H.264 IP Fixed Dome range based on GANZ IP's class leading multi-encoding platform offering internal/external true Day/Night operation with a removable IR Cut filter and Wide Dynamic Range. The camera offers dual streaming functionality where two independent streams can be derived with different compression algorithms, bitrates, frame rates and resolutions. The unit also supports MPEG4 and MJPEG compression as standard.

ZN-DWNT350VPE is designed to be ceiling (surface/flush) or wall mounted and uses a Sony 1/3" 550TVL Super HAD CCD sensor. ZN-DWNT350VPE is a vandal resistant design rated to IP67 standards made of die cast aluminium and powder coated to prevent it from oxidation and scratching. The unit boasts of on-board basic Video Content Analysis, Bi-directional audio, onboard micro-SD and digital input/output as standard. Onboard 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

- H.264 Compression
- Super High Resolution of 550TVL
- 2.8-10.5 mm Varifocal AI Lens
- Dual Stream Output Configuarble
- RS232/485

- 25 ips@D1
- True Day/Night
- Wide Dynamic Range
- Video Content Analysis
- MicroSD Memory

V1.01

RoHS 2002/95/EC

CE

ISO 9001 REGISTERED FIRM

ZN-DWNT350VPE

Super high resolution WDR IP dome camera

Specifications

Description / Model	ZN-DWNT350VPE
CAMERA MODULE	
Image Sensor	Sony 1/3" Super HAD CCD
Effective Pixels	752(H) x 582(V)
Scanning System	2:1 Interlace
Horizontal Resolution	550 TVL
Dynamic Range	52dB (x128)
Minimum Illumination	0.3 Lux / F1.2 (Colour) 0.002 Lux (Sens-up)
Lens	2.8~10.5 mm F1.2 DC Auto Iris Board Vari-Focal
Colour/Mono	True Day/Night
S/N Ratio	52dB (AGC Off)
Shutter Speed	1/60~1/120,000 (NTSC) 1/60~1/120,000 (PAL)
Gamma Correction	0.45
Gain Control	OFF / LOW / MIDDLE / HIGH
Synchronisation	Internal
Back Light Compensation	OFF / WDR / BLC / HLC
White Balance	AWB / ATW / AWC / MANUAL (1,800K~10,500K)
Wide Dynamic Range	102dB, 120dB
Sens Up	OFF / AUTO
Digital Noise Reduction	ON (Level 0 ~ 32) / OFF

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-232C	Yes
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
SD Memory	MicroSD (optional)

NB. Specification subject to change without notification
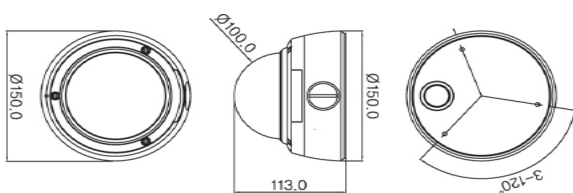
VIDEO	
Compression Format	H.264 (ISO14496-10), MPEG-4 (ISO14496-2), MJPEG
Mulit Streaming	Dual Stream, Configurable
Resolution	D1, 4CIF, VGA, CIF, QVGA, QCIF
Compression FPS	25/30 fps@D1
Video Bitrates/Bandwidth	32Kbps ~ 6Mbps
Deinterlacing	Yes (DSP)
Motion Detection	Yes (DSP)
Burnt-in Text (Digital)	Yes
Output	1 Loop Out (BNC Connector)

ELECTRICAL	
Power Source	12V DC (DC Jack)
Power over Ethernet	Yes (IEEE 802.3af)
Power Consumption	300 mA @ +12V (Approx)
Approvals	All A/C driven sources are U/L approved. Certfications: CE/EN/FCC
ENVIRONMENTAL	
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)
Storage Tempeature	-25°C ~ 70°C (-13°F ~ 158°F)
Operating Humidity	Up to 85% RH (Non-condensing)
MECHANICAL	
Material	Aluminum Die Casting / Polycarbonate
Colour	Ivory
Dimension	Housing:150(diam) x 113(H) mm Dome: 100.0(diam) mm
Weight (Approx)	1,080 g
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	3 Years

V1.01

(Unit:mm)