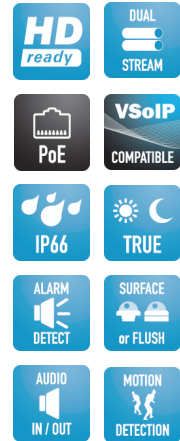# ZN-DT2MA, ZN-DT1MA, ZN-DT1A

H.264 High Definition Fixed Dome Cameras

GANZ IP's PixelPro range of Internal and Internal/External fixed IP dome cameras are based on class leading H.264 compression engine. The range has been developed to be a part of GANZ IP's complete end to end IP Video Management solution.

The range includes true day/night features based on a 1/3" CMOS sensor with dual encoding and streaming functionality where two independent streams can be derived with different compression algorithms, bitrates, frame rates and resolutions. The units support H.264, MPEG4 and MJPEG compression as standard. The unit comes with the revolutionary P-iris technology which gives better depth of field and clarity as against conventional iris types. Also, with zoom and focus adjustability through software, installation makes it as simple as just mounting on the wall. The cameras are available in VGA, 720p and 1080p resolutions providing full frame rate of 25fps with an ability to provide upto UXGA (1600 x 1200) screen size.

The range boasts of mechanical IR cut filters for superior night time operation, onboard basic Video Content Analysis, Bi-directional audio, onboard micro-SD, and digital input/output as standard. 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 ptimized for HD
- VGA/720p/1080p Resolution
- Unicast or Multicast
- Multi-Digital Signal Processing
- Bi-direction Audio

- True Colour/Mono with Mechanical IR-Cut
- 1 Alarm Input / 1 Relay Output
- Metal Body with top or bottom mount
- Web Interface for live viewing & configuration
- VSoIP Compatible

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ZN-DT2MA, ZN-DT1MA, ZN-DT1A High Definition fixed dome cameras

Specifications

Description / Model	ZN-DT2MA	ZN-DT1MA	ZN-DT1A
CAMERA MODULE			
Image Sensor	1/3" Progressive Scan CMOS		
Max. Resolution	1080p	720p	VGA
White Balance	ATW / MANUAL (PRESET)		
Digital Zoom	8x		
AGC	Yes		
Backlight Compensation	Yes		
Shutter Speed	4, 1/10, 1/12.5, 1/15, 1/20, 1/25, 1/30, 1/50, 1/60, 1/100, 1/120, 1/240, 1/480, 1/960, 1/1024, 1/2000 sec		
Day/Night Performance	IR Cut Filter, True Day/Night		
Dynamic Range	70.1 dB		
Min. Illumination	Color: 1 lux, B/W: 0.15 lux (Slow Shutter ON)		
LENS			
Focal Length	3.3-12mm		
Max. Aperture	F1.6		
Iris	P-Iris	P-Iris	DC Iris
Remote Zoom & Focus	Yes		
H.O.V.	89.8° ~ 23.9°		
ANALOG			
Video Signal	NTSC/PAL selectable		
Monitor Output	Composite Output, 75 ohm 1Vpp		
NETWORK			
Network	10BASE-T, 100BASE-TX, RJ45		
Image Compression	H.264: - Main Profile, Simple / Advanced Mode, Base Profile (D1 resolution only) MJPEG - 2nd stream only		
Resolution	1920 x 1080, 1280 x 720, 1280 x 720 (Wide), 1280 x 1024, 1024 x 768, 640 x 480, 320 x 240		640 x 480, 320 x 240
Protocol	IPv4/6, HTTP, HTTPS, SMTP, UPnP, DNS, Dynamic DNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP		
Frame Rate	2.5 fps ~ 30 fps		
Web Browser	Internet Explorer 7.0 or above, PDA / Smart phone		
Security	Password Protection, HTTPS, IP Addressing Filtering		
SDK (API)	HTML based API		
Video Motion Detection	User set 5 ROI (Region of Interest), 10 Step Sensitivity		
Alarm Trigger	VMD, External Alarm Input		
Alarm Event	E-mail notification, FTP Uploading, Alarm out		
POWER			
Power Source	Triple Power12VDC 1A / 24VAC (50Hz/60Hz) 500mA PoE Class 2 (IEEE 802.3af compliant)		
OTHER SPECIFICATIONS			
Micro SD Card	Micro SDHC card compatible - Up to 32G		
External I/O Terminals	Alarm In x1, Alarm Out x1, Audio In x1, Audio Out x 1		
Operating Temperature	0°F ~ 122°F (-18°C ~ 50°C) -20°F ~ 122°F (-29°C ~ 50°C) with optional heater		
Weather Rating	IP66		
Weight	2.3 lbs. / 1060g		
Dimensions	4.6" (H) x 5.7"Ø / 116.3mm (H) x 145mm Ø		
Warranty	3 Years		

NB. Specification subject to change without notification

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