

# ZN-C2M, ZN-C1M, ZN-C1

## H.264 High Definition CS Mount Fixed Cameras



GANZ IP's PixelPro range of Internal and Internal/External IP box type 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 CS mount cameras based on 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 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
- ▶ 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

V1.01

# ZN-C2M, ZN-C1M, ZN-C1

## High Definition CS Mount cameras

### Specifications

Description / Model	ZN-C2M	ZN-C1M	ZN-C1
<b>CAMERA MODULE</b>			
Image Sensor	1/3" Progressive Scan CMOS		
Max. Resolution	1080p	720p	VGA
Effective Pixels	2560 (H) x 1920 (V)		
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		
Lens Mount	CS/C (Adapter)		
Day/Night Performance	IR Cut Filter, True Day/Night		
Dynamic Range	70.1 dB		
Min. Illumination	Color: 0.7 lux (F1.2, 30IRE), B/W: 0.08 lux (F1.2, Slow Shutter ON, 30IRE)		
<b>ANALOGUE</b>			
Video Signal	NTSC/PAL selectable		
Monitor Output	Composite Output (BNC), 75 ohm 1Vpp		
Scanning Frequency	NTSC: (H) 15.734 kHz, (V) 59.94 Hz / PAL: (H) 15.625 kHz, (V) 50 Hz		
Resolution	Horizontal: 600 TVL or more / Vertical: 350 TVL or more		
<b>NETWORK</b>			
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	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		
<b>POWER</b>			
Power Source	Triple Power12VDC 1A / 24VAC (50Hz/60Hz) 500mA PoE Class 2 (IEEE 802.3af compliant)		
Power Consumption	386mA @ DC12V, Max 4.8W PoE : 100mA @ DC48V, Max 4.8W		
<b>OTHER SPECIFICATIONS</b>			
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	14°F ~ 122°F / -10°C ~ 50°C Humidity less than 90%, non-condensing		
Weight	0.5 lbs. / 250g		
Dimensions	2.5" x 2.4" x 3.2" / 63.6mm x 60.3mm x 81.2mm (W x H x D) (W x H x D)		
Warranty	3 Years		
NB. Specification subject to change without notification			
V1.01			