**Onvif**
Profile (S) Compliant

# Wireless IP Cube Camera with GXi Technology

## GANZ PixelPro WITH GXi TECHNOLOGY

The PixelPro ZN1-Q3FN2 wireless IP camera features GXi Technology maximizing the camera's surveillance capabilities by bringing an added feature set of Imbedded Intelligence, WDR performance and Edge recording to SD card to this already full-featured series. The Imbedded Intelligence provides analysis of video with application areas including intrusion detection, vehicle monitoring, abandoned-object detection, people counting and loitering detection, as well as camera tampering and failure detection.

## Features:

- Full HD 720p @ 30fps

- H.264 and MJPEG compression

- Digital Day/Night and WDR

- Wireless N Connectivity (IEEE 802.11n)

- Built-in microphone & speaker

- Privacy Shutter

- Imbedded Intelligence Technology

- SDXC Edge Recording (up to 64GB)

- PIR sensor and I/O Terminal

Network Video Devices

Scan Me!

**CBC** AMERICA Corp.
CBC GROUP

| Model | | ZN1-Q3FN2 |
|---|---|---|
| **Camera** | Image Sensor | 1/4" 720p CMOS |
| | Effective Pixels | 1280 x 720 |
| | Scanning System | Progressive scanning |
| | AGC Control | Auto |
| | Auto IRIS (DC) | - |
| | Minimum Illumination | Color: 0.8 Lux (50 IRE), B/W : 0.1 Lux (DSS ON) |
| | Lens | 2.7mm F2.0 |
| | Angle of View | Horizontal: Approx. 91° / Vertical: Approx. 59° |
| | Shutter Time | 1/5000s to 1/2s |
| | Day & Night Performance | Digital Day & Night |
| | Wide Dynamic Range | Digital WDR |
| **Video** | Video Compression | H.264 Baseline, Main, High profile (MPEG-4 Part 10/ AVC), MJPEG (Motion JPEG) |
| | Video Streaming | Dual Stream, Configurable streams in H.264, MJPEG / H.264: Controllable frame rate, bandwidth (VBR/CBR) / MJPEG: Controllable frame rate, JPEG quality |
| | Resolutions | 1280 x 720, 1120 x 630, 960 x 540, 800 x 450, 640 x 360, 480 x 270, 320 x 180 |
| | Frame Rate | H.264: Max 30fps in all resolution / MJPEG: Max 30fps in all resolution |
| | Image Settings | Configurable brightness, contrast, saturation, sharpness |
| | Orientation Control | Flip & Mirror |
| | Noise Filter | Supported (0 ~ 15) |
| | Smart Bitrate Control | Supported (It works in VBR mode) |
| | Exposure Adjustment | +1.0, +0.6, +0.3, 0, -0.3, -0.6, -1.0 EV |
| | White Balance | ATW1 / ATW2 / Push / Manual |
| | Back Light Compensation | On (possible to designate zone) / Off |
| | Flicker Control | Normal, 50Hz, 60Hz |
| | DSS (Sens-up) | 2X ~ 16X |
| | BLC | On (possible to designate zone) / Off |
| | Burnt-in Text | Time stamp and text caption overlay |
| | Privacy Zone | 4 configurable regions |
| | Analog Output | - |
| **Audio** | Audio Streaming | Two-way |
| | Audio Compression | G.711-uLaw |
| | Audio input / output | Built-in microphone and speaker |
| **Network** | Ethernet Standard | 10 / 100 Base-T |
| | Wireless interface | IEEE 802.11 b/g/n (Internal antenna) |
| | Protocol | QoS Layer 3 DiffServ, TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTCP, RTP/UDP, RTP/TCP, mDNS, UPnP™, SMTP, DHCP, DNS, DynDNS, NTP, SNMPv1/v2c/v3(MIB-II), IGMP, ICMP, SSLv2/v3, TLSv1 |
| | Security | Multi-level access with password protection / WEP (64/128bit), WPA-PSK, WPA2-PSK |
| **Integration** | Application Programming Interface | Software Development Kit (SDK) available, ONVIF Compliant (Profile S) |
| | Event Sources | Video Motion Detection; Tamper Detection; Video Content Analytics (VCA); Network Setting Change; Sensor (DI); Built-in Passive infrared sensor (PIR) |
| | Event Actions | File upload: E-mail, FTP.  Notification: E-mail, FTP, HTTP, TCP.  Trigger-Alarm (DO) |
| | Event Metadata Streaming (RTSP/RTP) | Video Motion Detection (MD); Video Content Analytics(VCA) |
| **Imbedded Intelligence (Standard)** | Analytics Engine | Imbedded Intelligence advanced tracking algorithm with rich library of detection behaviors |
| | Detection | 40 zones (Multi-segment Polygons and Lines) in total |
| | Zones and Rules | 60 rules in total |
| | Tamper Detection | Supported |
| | Camera Shake Cancellation | Supported* |
| | Auto Tracking | - |
| | VCA Preset | - |
| **Imbedded Intelligence (Optional)** | Detection Behavior | Enter, Exit, Appear, Disappear, Stop, Direction, Dwell filter; Tailgating; |
| | 3D Behavior | Perspective Corrected Size and Speed Filters |
| | Counting | 20 counters in total |
| | Counting Line | High accuracy people and vehicle counting |
| | Meta Data | Plain XML Format |
| **Physical** | Material | Plastic (PC + ABS); Ivory |
| | Edge Storage | 1x MicroSD/MicroSDHC memory card slot (card not included) |
| | External I/O Terminals | 1x Alarm In, 1x Alarm Out |
| | PIR sensor | Passive infrared (PIR) motion sensor. |
| | Users | Live viewing for up to 10 clients |
| | Power / Consumption | 12VDC / 3.36W @ 12VDC |
| | Operating conditions | 32°F ~ 104°F (0°C ~ 40°C)  Humidity up to 85% RH (non-condensing) |
| | Dimensions WxHxD) | 3" x 4.4" x 1.4" / 3" x 5.6" x 3.6 w/ stand (76.1 x 107.1 x 35.2mm/ 76.1 x 107.1x 35.2mm w/ stand) |
| | Weight | 0.31 lbs (142g) |
| | Certifications | FCC, CE, KC, ONVIF (Profile S) |

*All specifications are subject to change without notice*