Full HD IP IR Dome Camera
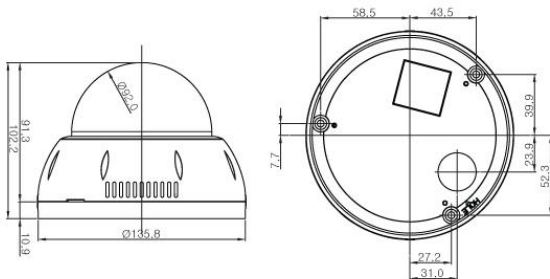# MDC4050VR

CNB TECHNOLOGY Inc.

FEATURES

- Full HD IP Mega-Pixels TDN Dome Camera
- 1/2.9" Progressive scan CMOS Sensor
- Max. Full HD (1920 x 1080) up to 30FPS
- TDN(ICR)
- Built-in Vari-focal Mega Pixel Lens (f=3.5~16mm)
- Built-in IR LEDs (18EA) & Sensor 1EA
- Digital PTZ, Video Crop & Support SD card
- Analog Video Output(CVBS) & Alarm I/O
- Onvif Profile S and 2.2x
- Support Two-way Audio (ADPCM)
- Ethernet 10/100 Base-T (PoE)
- 12VDC

DIMENSIONS

SPECIFICATIONS

[CAMERA]	
Image Sensor	1/2.9" Progressive CMOS Sensor
Scanning System	16:9 Progressive
Sync. System	Internal
Effective Pixels	1920 (H) x 1080 (V) 2 Mega
Horizontal Resolution	1,100TVL
Video Output Level	Select NTSC/PAL 1.0Vp-p (BNC 75Ω, composite)
Lens	Built-in DC Iris Vari-focal Mega Pixel Lens (f=3.5~16mm)
IR LED and Sensor	18EA (850nm, 45˚) & Sensor 1EA, Max. 15m
Day & Night System	ICR (CDS Type)
Min. Illumination	0.12Lux (Color), 0.00 Lux (IR LED On)
White Balance	Auto
[VIDEO]	
Compression	Full HD, 720P, 4CIF, VGA, CIF, Crop
Resolution	Full HD(1920 x 1080) @ 30fps
Multi-Profile Streaming	* 5 Simultaneous video profiles / * Select the codec type, resolution and frame rates for each profile
Intelligent Bit-rate Control	Hybrid Bit rate control (VBR+CBR)
PTZ	Digital PTZ & Video Crop
Image setting	Text overlay, Privacy mask, De-interlace filter
Motion detection	3 regions
[AUDIO]	
Mono Upstream	32Kbps G.726 ADPCM (Line-in / Mic-in)
Mono Downstream	128Kbps 16bit Linear PCM, Line-out(1.0Vp-p)
[NETWORK]	
Protocol	IPv4/v6, TCP, UDP, IGMP, ICMP, ICMPv6, ARP, RARP, PPPoE, RTCP, RTP, RTSP, SDP, HTTP, HTTPS, SMTP, FTP, DHCP, UPnPP, NTP, DNS, DynDNS, Socks
Supported DDNS	Supported (CNB DDNS)
Security	User ID & Password protection, IP address filtering, HTTPS encryption, Digest Authentication, User Access Log
[EXTERNAL TEMINALS]	
LAN	10/100 Base-T LAN (auto MDIX)
Analog Output	1 Channel D1 CVBS Output of the encoding video
Alarm	Alarm I/O (1 Sensor input & 1 Relay output)
Other	Mic, Line in / Line Out / 12VDC
[SYSTEM INTEGRATION]	
Intelligent Video	Motion Detection
Alarm Triggers	Sensor Input
Alarm Events	Video file upload(FTP), Still image(Email), PTZ preset, Relay output
Video Buffer	Pre & Post alarm
[APPLICATIONS]	
Browser	Internet Explorer 8.0 or Higher
Monitoring Application	XNET NVR 2, and Utility (IP-Installer)
[MAINTENANCE]	
System Upgrade	Firmware upgrade over HTTP
[MECHANICAL]	
Pan/Tilt/Horizontal	3-Axis Movement for Free Lens Rotation
Standard PoE	Standard IEEE 802.3af supported
Power	DC 12V Max. 1A
Dimensions	135.8(Ø) x 102.2(H) mm
Operating Temperature	-10℃ ~ 50℃
Weight	350g

XNET Main Feature

Full HD (2.0 MEGA Pixel) Image

XNET IP products provide real time steaming at 1080P(1920 x 1080) Full HD resolution and 720P even Different HD resolution over IP. Much bigger resolution image provides several Cropped streaming image by digital zoom.

2.0 Mega-pixel image
Digital Zoom image

Progressive Scan and De-interlaced Image Processing Technology

XNET progressive scan type IP cameras provide much higher quality for clear monitoring than interlaced scan type.

High Quality Progressive Image

Dynamic Dual Stream

XNET IP products provide triple codec with selectable dual streaming for multi-clients.
High quality of H.264 and MJPEG both video streaming can be provided to the multi clients simultaneously.

Multiple Event Trigger

XNET IP products series includes a physical type alarm & sensor event functions and logical event type to define event setting on screen display or integrate any kind of event action easily on the network environment.

Storage Over IP

To avoid unpredictable network disconnection or lagging, XNET IP products provide local storages from a primary internal flash memory type to an removable SD card type memory to store JPEG image with main H.264 and MJPEG streaming via network simultaneously.

Built-in PoE (Power over Ethernet - Standard IEEE 802.3af)

The built-in PoE feature provides much easier connection and installation with cost saving on network environment also efficient maintenance. XNET IP products are standard IEEE 802.3af supported.

XNET Applications

Plug & Easy Play over IP

XNET supports plug and play with wizard installer. Auto system configuration and Easily user setup by XNET applications.
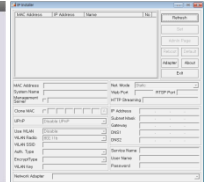- Simple installation for network and systems setup
- Simultaneous system setup
- Support UPnP, Bonjour for easy installation

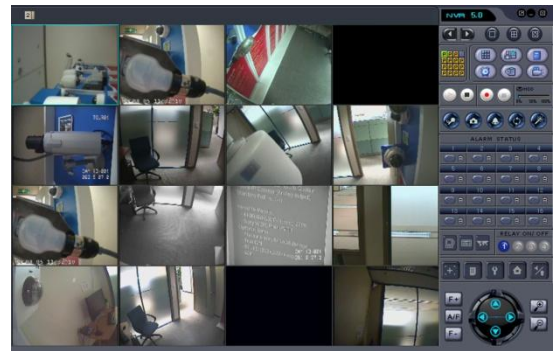**Web Viewer**   **Setup page**   **IP Installer**

CNB CMS software

CNB CMS is compatible with all of CNB digital surveillance video products from HDx DVR series to XNET IP products for flexible and efficient surveillance monitoring environment CCTV system.

Main Features

- Max. 128Channel *)Dual Monitor
- Remote search and Local search
- Remote setup and Local setup
- Motion/Sensor/Alarm Event Trigger
- Support E-Map (Same DVR systems UI)
- Support 1024*768, 1280*1024 resolution and Full Screen
- Bi-directional Audio communication
    *) Two-way Audio / support model
- Support Dual Monitor (E-map, Search etc…)
- Support PC DVR 'V3' series
  Standalone DVR (SDx series, HDx series) XNET IP product

XNET APP (XNET Alliance Partner Program)

CNB XNET Products support Open-API for partners.
Supplying a dynamic SDK based on API for various IP security environment.
Join hands with XNET Alliance Partner Program, you can make a stable and strong IP security environment with improving your CMS and NVR.

[SDK Package Items]
- Sample Program and System Library for debug
- Release Mode Sample Method
- Documentation for SDK
- Sample Header File
- Library (debug/release)
- Sample Source Code (by Visual Studio ver. 2005)