













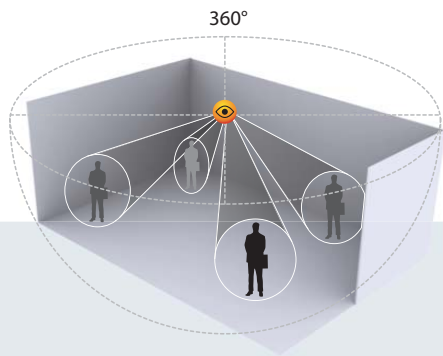


NexDome Dragonfly

360° Immersive
Indoor Network Camera
Ultra High Definition
Ideal for home/office surveillance

-  Digital Pan 180° / Tilt 160° / Digital zoom x6
-  No mechanical parts, very low power consumption
-  Ultra high definition / High sensitivity video sensor (5M pixels)
-  Simultaneous multi-view display options
-  MJPEG for Full scene or MPEG-4 / H264 codec of a D1 window
-  Real time 30 fps for VGA / D1 / SD,
lower frame rate for HD720p / HD1080p / full 5Mpixel
-  Super wide angle lens
-  Power LED lighting
-  Audio Transmission, through VoIP
-  Ethernet with Power over Ethernet, Optional Wireless WIFI
-  Optional onboard video analysis
(human body detection and tracking, motion detection, ANPR, ...)
-  On board streaming server based on our NexStream technologies for 24/7/365 surveillance with automatic bandwidth adjustment (LAN, broadband xDSL)





NexDome Dragonfly

360° Immersive Indoor Network Camera

Ultra High Definition

Ideal for home/office surveillance

Functionalities

High quality, 360° immersive video, live video streaming
 Full scene with MJPEG@8fps or partial view (D1) in MPEG4/H264@30fps
 Range of innovative embedded applications
 Optional onboard video analysis for automated video surveillance :

- Motion detection, fire detection, traffic surveillance, automatic Number Plate
- Recognition (ANPR), Intelligent behaviour recognition, pedestrian observation, law enforcement & forensic, pet immune detection, suspicious person tracking, pedestrian counting, suspicious stationary object detection, Query-by-content privacy masking, lens coverage & blinding.

Network link: Ethernet with Power Over Ethernet (802.3af)
 Optional WIFI (802.11g)
 Power supply : DC power, Power Over Ethernet (802.3af)
 CMOS image sensor : progressive scan, Color, 1/1.8", 5 Mega Pixel QSXGA (2592x1944)
 High sensitivity 1V/Lux-sec,
 Selectable video size from :

- Full frame (2592x1944) 7.5fps,
- HD (1920x1080) 15 fps,
- SXGA (1280x960) 25 fps,
- VGA (640x480) 30 fps

Automatic white LED lightning when required (low light conditions)
 Option: lower resolution, high sensitivity or monochrome sensor.

Lens

High resolution Fisheye lens: 185° field of view
 F#: 2.0,
 Thread Diameter: M12xP0.5mm

Remote Management

Web-based management, configuration and viewer.
 Compatible with any H264 RTP/RTSP compliant client like NexRMC*,
 Compatible with any MJPEG HTTP compliant client like NexRMC*,
 the NexVision Remote Media Center software. NexRMC is our top edge software supporting NexCam specific features like sensors monitoring, firewall pass-through, innovative recorded video research, intuitive and user configurable interface.

Network

Ethernet 10BaseT/100BaseTX, RJ-45

Optional onboard wireless : IEEE802.11g (upgradable to 802.11n "MIMO")
 Protocols: RTP/RTCP/RTSP, HTTP, SMTP, Telnet, SSH, DHCP client... Accept client through firewall.
 RTP/RTSP/RTCP onboard server is standard compliant.
 It also support real time bandwidth adjustment (from 40K up to 25Mbit/s), video stream encryption (256 bits AES) when used with NexStream technologies.
 HTTP server only for MJPEG stream .

Power Supply

Input : 12VDC up to 15VDC, 13W (10W for PowerLED lighting)
 Power voltage level and reset supervision
 On board Power Over Ethernet (IEEE802.3af, 48V/12.5W)

Inputs/Outputs

2 x optocoupled inputs - Connector : 4 poles - 3.81mm terminal block
 1 x switch button,
 1 x green LED indicator
 1 x powered switch output - Connector : 2 poles - 3.81mm terminal block
 Backup saved Real Time Clock

System

Texas Instrument DaVinci(R) processor.
 Strong multimedia computing power (4500MIPS).
 NOR FLASH : 16MBytes (up to 32MB).
 DDR2-SDRAM : 128MB (up to 256MB).
 Optional: On board MMC/SD 32MB up to 4GB card.
 Integrated watchdog.
 Linux 2.6 based operating system.

USB

USB: 2.0 high speed 480Mb/s
 Connectors : USB Host (type A) or internal 4 pin - 2.54mm header
 USB compliant Storage : Hard drive up to 1TB, ... or Flash Disk on USB Key (1 to 8GB)

Analog video output

Composite PAL/NTSC : 75ohm, 1VPP -
 Connector : RCA.

Firmware Upgrades

Automatic and manual firmware update over network

Physical Dimension

Temperature: 0 to +50 °C
 Humidity: 10~90% non condensing
 Indoor : innovative style and design for new "immersive video" usages
 Dome shaped housing : 160Øx 70H mm