

## the i-Volution CM-2812-NF Standard Definition IP Camera

The i-Volution CM-2812 is an entry level Standard Definition (SD) IP camera with advanced features within a powerful and cost effective platform. The CM-2812 encoder delivers outstanding performance for advanced video surveillance applications requiring standard definition video. The CM-2812 supports dual streaming video, serial data and audio for transport over a standards-based IP network.



### Applications

- Security Surveillance
  - Airports
  - Seaports
  - Military
  - Industrial Complexes
  - Unattended Sites
- Transportation
  - City Intersection Monitoring
  - Highways
  - Rail/Metro/Subway

### Key Features

- High Performance Sony CCD
- CS Lens Mount (Provide Optional Adapter for C Mount Lens)
- Auto Iris with DC/Video Driver
- Embedded Linux OS
- TI DaVinci Hardware Compression
- H.264/MPEG-4 Video Compression
- Bi-directional Compressed Audio
- Support 4CIF/DCIF/2CIF/CIF/QCIF Real Time Compression
- Dual Stream Compression
- Motion Detection with Notification on PC Client
- Variable Bit Rate and Variable Frame Rate
- TCP/IP, UDP/IP, HTTP, FTP, SMTP, DHCP, DNS, DDNS, NTP, etc
- Built-In Web Browser Manager
- Watermark
- PTZ Control
- Sensor Alarm Input and Relay Output
- Compatible with Current Impath - PST DVR/DVS SDK and Client Software
- SD Card Slot for Local Recording (SD card not incl.)
- Optional PoE (-E) and WLAN (-W)

# i-Volution CM-2812-NF Standard Definition IP Camera



Rear View

## Camera

Image Sensor	1/3 inch SONY Super HAD CCD
Effective Pixels	NTSC 768x494, PAL 752x582
Image Resolution (D1/DCIF/2CIF/4CIF/QCIF)	NTSC 704x480,528x320,704x240,352x240,176x120 PAL 704x576,528x384,704x288,352,288,176x144
Len Mount	C/CS Mount
Electronic Shutter	1/50 (1/60)s – 1/1000,000s
Minimum Illumination	0.1 Lux @ F1.2
Day & Night	Electronic
Auto IRIS	DC, Video
Lens	Not Included
S/N Ratio	Better than 48dB
Video Out	Composite Video, 1.0Vp-p, 75 ohm, via BNC, 480TVL

## Video Compression

Compression	ITU H.264
Frame rate/Bit Rate	30/25 fps @ 4CIF, 32kbps to 8Mbps

## Network Interface

LAN Interface	IEEE 802.3 Ethernet RJ-45, 10/100Base-T, Auto-Sensing
Protocols	TCP, UDP, IPv4, IGMPv2, RTP, RTCP, SNMPv2, NTP, SAP/SDP, SMTP,FTP, -E version PPOE, -W version 802.11G WLAN

## Data Interfaces

Data	1 RS485 via TB
------	----------------

## Audio

Audio In	1 via 3.5mm mini-jacks 2.0~2.4v p-p 1kohm
Audio Out	1 via 3.5mm mini-jacks 600ohm
Audio Standard	Ogg Vorbis
Mode	Bi-Directional Mono
I/O	1x TTL IN / 1 x Relay Out connections via TB

## Time Synchronization

	NTP
--	-----

## Features

Motion Detection	Yes
Dual Streaming	Yes
Recording	Local SD Card (card not included)
Heartbeat	Yes
Management	Microsoft IE ver. 6.0 or higher
Security	Password Protected

## Environmental

Operating Temperature	-10 to +60C (14 to +130F)
-----------------------	---------------------------

## Power Requirements

Input Voltage	12 VDC +/-10%/ Approx 4W
---------------	--------------------------

## Physical

Dimensions (WxHxD)	6.9 x 5.9 x 11.4 cm (2.71" x 2.32" x 4.48")
Weight	Approx. 0.65 Kg (22.9 oz)

Model	Features
CM-2812-NF	Standard Definition IP Camera
CM-2812-NF-E	Standard Definition IP Camera with PoE
CM-2812-NF-W	Standard Definition IP Camera with 802.11 WLAN

(Lens Optional on all models)

Impath Networks Canada Corporation 42 Payzant Avenue, Suite 100, Halifax, NS Canada B3B 1Z6  
T: 902-468-1010 F: 902-468-1044 [impathnetworks.com](http://impathnetworks.com)

Impath Networks Ltd. 9 Camelot Drive, Suite 100, Ottawa, ON Canada K2G 5W6  
T: 613-226-4000 F: 613-226-4602 [impathnetworks.com](http://impathnetworks.com)



Copyright 2009 Impath Networks Canada Corporation. Impath is a registered trademark of Impath Networks Canada Corporation. TeleVue, ClientVue and i-Volution are trademarks of Impath Networks Canada Corporation. All other trademarks are those of their respective owners. Printed in Canada – 01/09. Specifications subject to change without notice or obligation. 50Mbr\_190\_101\_2812\_d2