















# IMI TECH has been a developer & manufacturer of industrial digital cameras for the past 15 years. We provide:



A wide variety of communication interfaces including LVDS, 1394a/b, GigE, Camera Link, USB, HD-SDI and IPResolutions from VGA to 29 megapixel Image sensors from Sony, and OnSemiconductor - (TrueSense- Kodak, Aptina) Experienced H/W & S/W engineers & CS engineers Camera related projects with many major world wide factories and companies Just ask IMI TECH about industrial digital cameras Introducing the IMI TECH's IP camera product offering:









## Image Sensor Resolution and Pixel Size

The first consideration to get the desired quality from an image sensor is the resolution. High resolution is not required to get the car plate number from 1 lane. However, for multi lanes, ANPR/LPR will require at least 5 megapixel resolution. The IMI TECH IP cameras provides various resolutions from 1MP to 8MP.

The pixel size is also important in an image sensor. The larger the pixel size, the more light that each pixel unit can absorb. This creates a brighter image, even under low light conditions. IMI TECH cameras use much bigger image sensors like 1/1.8", and 1" compared to general surveillance 1/3" sensors.

# Image Sensor Shutter Technology

Most CMOS sensors adopt a rolling shutter which records pixels row by row. This causes image distortion when the object moves diagonally. In this case, it is difficult to recognize car license plate numbers. On the other hand, CCD sensors adopt a global shutter which record all of the pixels at one time and stop recording at the certain exposure time. This eliminates distortion! IMI TECH CCD IP global shutter cameras are the most suitable for ANPR/LPR imaging systems.







#### Auto Iris DC Control

Auto Iris DC Control is very useful for IP cameras that are used outdoors. The Auto Iris lens is connected to the camera with a small cable. The Iris is opened up in low light conditions and closed down in bright conditions. This prevents image saturation and maintains the desired brightness.

IMI TECH IP Cameras supports not only the Auto Iris DC Control function, but also the various functions related to shutter & gain value for the optimized parameter setting .

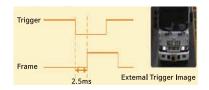
# Full Size Image Capture at an Event

At an event, a general IP camera transmits the captured image from streaming live video. If the user sets the streaming resolution at a low resolution, the captured image resolution will be at a lower resolution. But the IMI TECH IP camera captures the full size image from the image sensor at an event even if the monitor is set at the lowest streaming resolution .

#### Real Time Image Capture

In red light and speeding enforcement, in order to capture a license plate number from a fast moving car; the camera should be synchronized with a trigger input signal from a loop coil, laser or IR sensor, etc. The Camera should send a strobe output signal to the external Lighting within 1ms without the delay time of image processing.

The IMI TECH CCD IP cameras support external trigger & strobe synchronization with high shutter speed and also trigger delay to synchronize with the exact timing of peak lighting.



## Various Exposure Sequential Image Capture

The fixed exposure setting value might not always be appropriate if the illumination is often changed and strong sunlight is on a screen. In this case, the user can get an image with the desired brightness by using an IMI TECH IP camera which can make shutter & gain values different in up to 3 images.

## Uncompressed Image

In regular IP camera's, digital images are compressed by an encoder that may drop the success rate of image analysis. But IMI TECH's cameras can provide uncompressed original images (YUV format) or compressed image (JPG format) according to the requirement. Of course, IMI TECH IP cameras also provide H.264, MJPEG, MPEG4 compression codec as well.



## Triple Streaming

IMI TECH IP cameras support triple streaming in one camera. Each streaming can be set with different codec, resolution, ROI, frame rate, bitrate, image quality etc. Just with one camera, it can be possible to record a general overview with low frame rate, to monitor a specific region with a zoom as ROI and to record high compressed and low frame rate video, all at once.



# Anti Fog Algorithm

At camera installed sites, fog, rain, snow, yellow dust and smog make it difficult to secure a surveillance image at a distance and recognize an object. In Korea, camera functions are limited more than 150 days a year due to the weather.

In the IMI TECH CCD IP cameras, there is an anti fog algorithm

that is built into a high performance FPGA which has been proven in a variety of conditions. Its features cannot be compared with the public ISP's. The user can select Off/Low/Mid-



# Subtitle input function

The user can enter on the screen Korean, English, numbers, arrows, etc. at different locations and with different font sizes.



# Night Color Image Setting

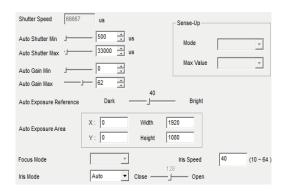
The user can acquire night color images thanks to a low light CCD image sensor. IMI TECH CCD IP cameras adopt an ICR filter mechanism that can get the vivid color images at daytime, and IR BW images at nighttime. Furthermore, it can get the color image, even at night, with a color level adjustment if there is a light source. This function is needed for detection or recognition of car color, criminals clothes color, etc.



# ■ Professional Shutter/Gain Fine Setting

The ITS camera needs this function to control finely setting values according to various environments. For ANPR/LPR, a high speed shutter with less than 1ms, the gain value setting is needed for an insufficient lighting source. Also, for auto shutter/gain within specific range, spot exposure and auto exposure reference, this function is very important.

IMI TECH IP cameras support such versatile functions to meet the different conditions.



# Local Storage

The user inserts a Micro SD card into an SD card slot on the rear side of the camera, and second streaming video or an event image can be saved on the SD card. When the desired volume to be save exceeds storage capacity, it overwrites the advanced saved files.

#### Serial Communication

The user inserts a Micro SD card into an SD card slot on the rear side of the camera, and second streaming video or an event image The user can employ RS485 serial communication with Pelco D, P, Pass Through commands..

# Two Ways Audio

IMI TECH IP cameras support TX/RX communication including G.711, G.726, AAC audio codec.







The Rolling Shutter CMOS Image sensor used in most megapixel IP cameras gives a low recognition rate of auto license plates due to its own characteristics like line scan image acquisition.

Add to image capture about a 200ms delay for the encoding process, and it becomes difficult to recognize license plates. But IMI TECH's global shutter CCD IP camera captures plates on cars that are driving more than 200km/h, because the global shutter has only a 2.5ms delay. Furthermore, IMI TECH camera's night color image has less noise and better color rendition; which can be used not only for ANPR, but also for the recognition of car color, brand, driver's face and other characteristics.

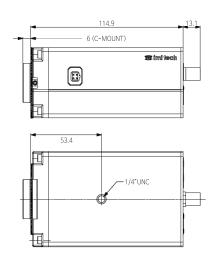
The IMI Camera can employ the external trigger/strobe at night or under dark environmental conditions; and get bright & vivid images, even with high speed shuttering. Lighting life is 2 times longer than constant lighting; and its instant brightness is much stronger. In addition, the user can select advanced settings like the function to capture multi images with different brightness setting, the function to set the brightness of ROI differently and the function to stream different resolution videos at once, etc.

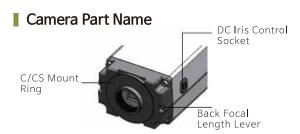
Our megapixel CCD IP cameras are supplied to the Korean police for red light traffic enforcement systems; and many system integrators use the IMI IP cameras for long distance monitoring systems.

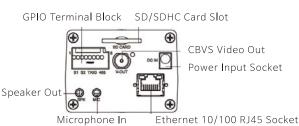
| Model Name           | Resolution                 | FPS      | Sensor Name        | Sensor Size      | Pixel Size(um) | Mono/Color     | Remarks |
|----------------------|----------------------------|----------|--------------------|------------------|----------------|----------------|---------|
| IMC-8115<br>IMx-8116 | 1280 x 720<br>1280 x 960   | 30<br>30 | ICX-692<br>ICX-445 | 1/3"<br>1/3"     | 4.08<br>3.75   | Color<br>Both  |         |
| IMx-8117             | 1388 x 1040                | 30       | ICX-267            | 1/2"             | 4.65           | Both           |         |
| IMx-8120<br>IMC-8128 | 1600 x 1200<br>1920 x 1080 | 25<br>30 | ICX-274<br>ICX-687 | 1/1.8"<br>1/1.8" | 4.4<br>3.69    | Color<br>Color |         |
| IMx-8150             | 2448 x 2048                | 12.5     | ICX-625            | 2/3"             | 3.45           | Color          | New     |

#### Main Features

- \_ Progressive Scan Global Shutter CCD Image Sensor
- \_ IR-CUT Filter Built-In Day/Night Auto Mode
- \_ Auto & Manual Gain/Shutter/Iris/Exposure Optimized Setting
- \_ Real Time Trigger Image Capture (2.5ms -) Competitors 250ms)
- \_ Real Time Trigger Full Size Image or ROI Image Capture
- \_ ROI or Triggered Image Brightness Setting (Max. 3 Images)
- \_ H.264/MJPEG/MPEG4 Codec & Triple Streaming
- \_ ONVIF, PSIA (HTTP API & DLL Library)
- \_ PoE (IEEE 802.3af Class 2) / DC 12V
- \_ CVBS 2nd Video Output, 2 Ways Audio
- $\_$  (Micro) SD/SDHC Memory Card
- \_ Pre/Post Event Video & Still Image Recording
- \_ E-Mail / FTP / TCP Image Network Transmission
- \_ 32CH CMS Free Support













This All-in-One (Lens/Lighting/Housing Built-In) Global Shutter 2 Megapixel Global Shutter CCD IP camera gives an excellent image for car license plate recognition and for road monitoring, or any other kind of night video surveillance.

The camera provides a superb low light sensitivity using a 1/1.8" large image sensor. It can be used with various focal lengths like a 10-50mm motorized zoom lens. The camera also captures license plate numbers from a car moving at more than 200km/h (125m/h) thanks to its global shutter, and with only a 2.5ms delay.

An external trigger/strobe can be used at night, or in a dark environment, to get a bright & vivid image, even at a high shutter speed. Lighting life is twice that of constant lighting: and its instant brightness is much stronger. Furthermore, IMI TECH cameras' night color images have less noise and better color rendition; which can be used not only for ANPR, but also for the recognition of car color, brand, driver's face and other characteristics. In addition, the user can select advanced settings like the function to capture multi images with different brightness setting, the function to set the brightness of ROI differently and the function to stream different resolution videos at once.

By providing an HTTP API, ONVIF, PSIA, DLL Library, this camera is very compatible with other kinds of VMS.

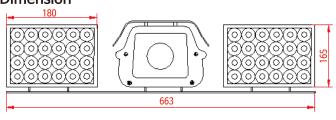
| Model Name    | Resolution | FPS | Sensor Name | Sensor Size | Pixel Size(um) | Mono/Color | Remarks             |
|---------------|------------|-----|-------------|-------------|----------------|------------|---------------------|
| IMC-8120J-VIR | 1600×1200  | 25  | ICX-274     | 1/1.8"      | 4.08           | Color      | 10-50mm DC Iris D/N |
| IMC-8128J-VIR | 1920×1080  | 21  | ICX-687     | 1/1.8"      | 3.75           | Color      | TBD                 |

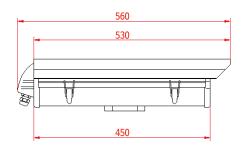
#### Main Features

- \_ Progressive Scan Global Shutter CCD Image Sensor
- \_ IR-CUT Filter Built-In Day/Night Auto Mode
- \_ Auto & Manual Gain/Shutter/Iris/Exposure Optimized Setting
- \_ Real Time Trigger Image Capture (2.5ms -) Competitors 250ms)
- \_ Real Time Trigger Full Size Image or ROI Image Capture
- \_ ROI or Triggered Image Brightness Setting (Max. 3 Images)
- \_ H.264/MJPEG/MPEG4 Codec & Triple Streaming
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The Global Shutter Megapixel CCD All-in-One IP camera is specially developed for the entrance to parking lots. With ANPR/LPR replacing the existing analog cameras, it also gives an excellent image for road monitoring or video surveillance.

The camera shows a superb low light sensitivity using a Sony EXview HAD CCD II image sensor. It can be used with various focal lengths like a 5–50mm motorized zoom lens. The camera also captures license plate numbers from a car moving at more than 200km/h (125m/h) thanks to its global shutter, and with only a 2.5ms delay.

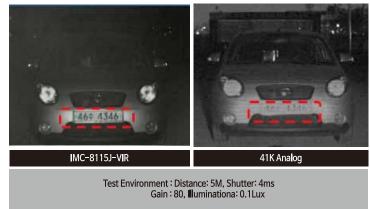
Furthermore, the IMI TECH camera's night color image has less noise and better color rendition; which can be used not only for ANPR, but also for the recognition of car color, brand, driver's face and other characteristics. In addition, the user can select advanced settings like the function to capture multi images with different brightness setting, the function to set the brightness of ROI differently and the function to stream different resolution videos at once.

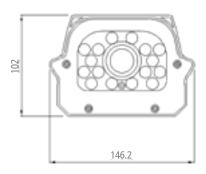
By providing an HTTP API, ONVIF, PSIA, DLL Library, this camera is very compatible with other kinds of VMS.

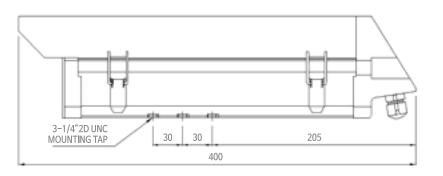
| Model Name    | Resolution | FPS | Sensor Name | Sensor Size | Pixel Size(μm) | Mono/Color | Remarks            |
|---------------|------------|-----|-------------|-------------|----------------|------------|--------------------|
| IMC-8115J-VIR | 1024x768   | 30  | ICX-692     | 1/3"        | 4.08           | Color      | 5-50mm DC Iris D/N |
| IMx-8116J-VIR | 1292x960   | 30  | ICX-445     | 1/3"        | 3.75           | Both       | TBD                |

#### Main Features

- Progressive Scan Global Shutter CCD Image Sensor
- \_ IR-CUT Filter Built-In Day/Night Auto Mode
- \_ Auto & Manual Gain/Shutter/Iris/Exposure Optimized Setting
- \_ Real Time Trigger Image Capture (2.5ms -) Competitors 250ms)
- $\_$  Real Time Trigger Full Size Image or ROI Image Capture
- \_ ROI or Triggered Image Brightness Setting (Max. 3 Images)
- \_ H.264/MJPEG/MPEG4 Codec & Triple Streaming
- ONVIF, PSIA (HTTP API & DLL Library)
- PoE (IEEE 802.3af Class 2) / DC 12V
- CVBS 2nd Video Output, 2 Ways Audio
- $\,-\,$  (Micro) SD/SDHC Memory Card
- Pre/Post Event Video & Still Image Recording
- $\_$  E-Mai**l** / FTP / TCP Image Network Transmission
- 32CH CMS Free Support













The IMI High Resolution CMOS IP Camera Module gives the best image for the recognition of license plate numbers on parked cars, for parking guidance and for simultaneous video streaming for monitoring.

The optimized streaming resolution can be set to each parking lot environment. It gives full size resolution captured images for 3 car plate numbers, while streaming at any resolution. Both JPG and YUV image file formats are available.

Depending upon application requirements, a C/CS/M12 mount lens holder, 2 ways audio, SD card slot, PoE module, RS-422/485 and other various additional functions are available.

By providing an HTTP API, ONVIF, PSIA, DLL Library, this camera is very compatible with other kinds of VMS.

| Model Name | Resolution | Resolution FPS |         | Sensor Size | Pixel Size(μm) | Mono/Color | Remarks           |
|------------|------------|----------------|---------|-------------|----------------|------------|-------------------|
| IMC-8222M  | 1920×1080  | 60             | IMX-136 | 1/2.9"      | 2.8            | Color      | C/CS or M12 Mount |
| IMC-8250M  | 2592×1944  | 15             | MT9P031 | 1/2.5"      | 2.2            | Color      | C/CS or M12 Mount |
| IMC-8612M  | 4040×3032  | 10             | IMX-172 | 1/2.3"      | 1.4            | Color      | C/CS or M12 Mount |

#### Main Features

- Progressive Scan CMOS Image Sensor
- \_ IR-CUT Filter Built-In Day/Night Auto Mode
- \_ Auto & Manual Gain/Shutter/Iris/Exposure Optimized Setting
- S/W Trigger Image Capture
- Real Time Trigger Full Size Image or ROI Image Capture
- ROI or Triggered Image Brightness Setting (Max. 3 Images)
- H.264/MJPEG/MPEG4 Codec & Triple Streaming
- ONVIF, PSIA (HTTP API & DLL Library)
- PoE (IEEE 802.3af Class 2) / DC 12V
- CVBS 2nd Video Output, 2 Ways Audio
- (Micro) SD/SDHC Memory Card
- Pre/Post Event Video & Still Image Recording
- E-Mail / FTP / TCP Image Network Transmission
- \_ 32CH CMS Free Support



Parking ANPR S/W Example

# ■ 3 Parking Cars ANPR/LPR















IMI TECH's 2MP CMOS IP Camera supports Full HD 1080p, 60fps monitors and records fast moving objects clearly and accurately. It is also able to recognize slow moving car plate numbers as well.

The user can select a Box/Dome/Bullet camera according to the environment.

By using its own ISP chip, the camera provides not only basic functions like Auto Gain, and AWB, but also Noise Reduction, WDR, Defog, Sens-Up etc. Furthermore it supports full size image capture at event even in any kind of resolution streaming. Both JPG and YUV image file formats are available. With the IR-Cut filter, it can acquire color images in the day and monochrome images at night..

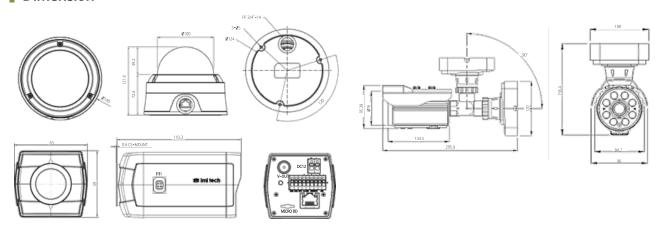
By providing an HTTP API, ONVIF, PSIA, DLL Library, this camera is very compatible with other kinds of VMS.

| Model Name    | Resolution | FPS | Sensor Name | Sensor Size | Pixel Size(μm) | Mono/Color | Remarks          |
|---------------|------------|-----|-------------|-------------|----------------|------------|------------------|
| IMC-8222      | 1920x1080  | 60  | IMX-136     | 1/2.9"      | 2.8            | Color      | CS/C Mount       |
| IMC-8222D-VIR | 1920x1080  | 60  | IMX-136     | 1/2.9"      | 2.8            | Color      | .5-16mm D/N A/I  |
| IMC-8222B-VIR | 1920x1080  | 60  | IMX-136     | 1/2.9"      | 2.8            | Color      | 3.5-16mm D/N A/I |

#### Main Feature

- \_ Progressive Scan CMOS Image Sensor
- \_ IR-CUT Filter Built-In Day/Night Auto Mode
- \_ Auto & Manual Gain/Shutter/Iris/Exposure Optimized Setting \_ (Micro) SD/SDHC Memory Card
- \_ S/W Trigger Image Capture
- ROI or Triggered Image Brightness Setting (Max. 3 Images)
- H.264/MJPEG/MPEG4 Codec & Triple Streaming
- ONVIF, PSIA (HTTP API & DLL Library)

- \_ PoE (IEEE 802.3af Class 2) / DC 12V
- \_ CVBS 2nd Video Output, 2 Ways Audio
- Pre/Post Event Video & Still Image Recording
- E-Mail / FTP / TCP Image Network Transmission
- 32CH CMS Free Support









IMI TECH's 5MP CMOS IP Camera supports 5MP resolution, 15fps, and has a wide view angle and produces vivid images.

The user can select a Box/Dome/Bullet camera according to the environment.

By using its own ISP chip, the camera provides not only basic functions like Auto Gain, and AWB, but also Noise Reduction, WDR, Defog, Sens-Up etc.

Furthermore it supports full size image capture at event even in any kind of resolution streaming. Both JPG and YUV image file formats are available. With the IR-Cut filter, it can acquire color images in the day and monochrome images at night..

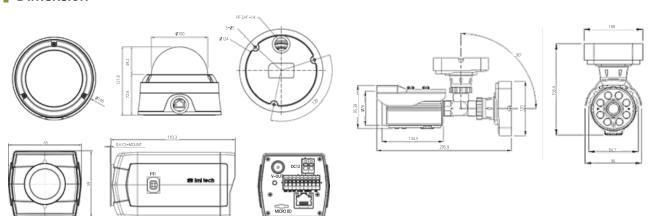
By providing an HTTP API, ONVIF, PSIA, DLL Library, this camera is very compatible with other kinds of VMS.

| Model Name    | Resolution | FPS | Sensor Name | Sensor Size | Pixel Size(μm) | Mono/Color | Remarks          |
|---------------|------------|-----|-------------|-------------|----------------|------------|------------------|
| IMC-8250      | 2560x1920  | 15  | MT9P031     | 1/2.5"      | 2.2            | Color      | CS/C Mount       |
| IMC-8250D-VIR | 2560x1920  | 15  | MT9P031     | 1/2.5"      | 2.2            | Color      | 3.3-10mm D/N A/I |
| IMC-8250B-VIR | 2560x1920  | 15  | MT9P031     | 1/2.5"      | 2.2            | Color      | 3.3-10mm D/N A/I |

## Main Features

- \_ Progressive Scan CMOS Image Sensor
- \_ IR-CUT Filter Built-In Day/Night Auto Mode
- \_ Auto & Manual Gain/Shutter/Iris/Exposure Optimized Setting \_ (Micro) SD/SDHC Memory Card
- \_ S/W Trigger Image Capture
- ROI or Triggered Image Brightness Setting (Max. 3 Images)
- H.264/MJPEG/MPEG4 Codec & Triple Streaming
- ONVIF, PSIA (HTTP API & DLL Library)

- \_ PoE (IEEE 802.3af Class 2) / DC 12V
- \_ CVBS 2nd Video Output, 2 Ways Audio
- Pre/Post Event Video & Still Image Recording
- E-Mail / FTP / TCP Image Network Transmission
- 32CH CMS Free Support





Thermal Cameras are used in various areas like electronic equipment, building inspection, machine vision and surveillance, etc.

A general sensor only finds the temperature at a specific point; but our thermal camera has functions to detect a wide area temperature spectrum and the absolute temperature at each point. The camera can be used not only in the factory or processing area, but also for fire inspection, and coast surveillance as well.

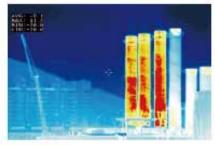
The camera provides 320x240 and 720x480 resolution now: but megapixel resolution will soon be released.

With its IP or GigE based interfaces; the user can control features easily, and record the video file.

#### Main Features

- \_ 60fps Support
- Various Lens Support
- \_ Real time data & video recording & analysis
- \_ PC & TV Monitoring available at once
- \_ Remote Control on PC
- \_ Digital Zoom (x2, x4)
- \_ Alarm Output for a specific temperature increase
- \_ Max./Min. Temperature Detection
- \_ Various Palette Support









Fire Supervisory



Land and Sea Supervisory

| Model Name | Resolution | FPS | Temperature<br>Range | Detector<br>Spectrum Length | Pitch(μm) | Remarks  |
|------------|------------|-----|----------------------|-----------------------------|-----------|----------|
| IMT-802N   | 320x240    | 60  | -20 ~ 120℃           | 8 ~ 14um                    | 25um      | Ethernet |
| IMT-811N   | 720x480    | 30  | -20 ~ 300℃           | 8 ~ 14um                    | 17um      | Ethernet |



# **■** General Specification

|   | <u> </u> | 4 |      | T/O | ш | e        |  |
|---|----------|---|------|-----|---|----------|--|
| ш | 81       |   | B, V | ИΠ  |   | $\Delta$ |  |
|   |          |   |      |     |   |          |  |

| Lens Type/Mount         | C/CS/S mount Selectable   |
|-------------------------|---|
| IRIS control            | DC Auto Iris (decided according to lens type)   |
| Day/Night               | Removable IR cut filter for day & night   |
| Shutter Speed           | 1/20,000~1/30sec, Global shutter (CMOS camera adopts Rolling Shutter)   |
| Frequency Control       | 50Hz, 60Hz selectable   |
| Image Settings          | Shutter, Gain, Brightness, Contrast, Sharpness, Saturation, Dynamic Range, Exposure, Digital WDR, DNR, AWB, Dead Pixel Compensation, Motion Detection, Privacy Mask, Mirror, Flip |
| Advanced Image Settings | Shutter Auto Min/Max, Gain Auto Min/Max, Auto Exposure Reference/Area, IRIS Mode  |
| Compression             | Triple Codec (H.264/MJPEG/MPEG-4)   |
| Bit Rate Control        | CBR, VBR  |
| Streaming               | Triple Streaming (H.264/MJPEG/MPEG-4)   |
| Video output            | Composite NTSC/PAL selectable (1.0Vp-p, BNC 75Ω)  |

# 02 | Audio

| Compression  | Up streaming (from MIC): G.711 a law/u law, G.726, AAC Down streaming (to Speaker): G.711 a law/u law |
|--------------|---|
| Full duplex  | 2 way audio communication   |
| Mic./Speaker | Built in microphone, 1x audio input, 1x audio output  |

# 03 | Network

| Protocol              | IPv4. HTTP, TCP, RTSP, RTP, RTCP, UDP, SMTP, FTP, ICMP, DHCP, UPnP, Bonjour, ARP, DNS, DvnDNS, HTTPS, SNMP, syslog, 802.1x, PoE |
|-----------------------|---|
| Number of user        | Live viewing for up to 10 users   |
| LAN interface         | Ethernet 10/100 Base-T (RJ-45 Type)   |
| Security              | User ID & password protection / IP address filtering  |
| Dynamic IP resolution | Supported through public DDNS server (freedns.afraid.org, dyndns.org, zoneeidt.com, no_ip.com)                                  |

# 04 | Alarm & Event Management

| Event Trigger          | Sensor input, motion detection  |
|------------------------|---|
| vent Notification      | Relay out (Digital out), Email (Still image) & FTP (Still image), Client PC, Syslog (Text log), Local storage |
| Pre & Post Alarm Video | Configurable Pre-alarm and Post Video   |

# 05 | Local Storage

| Memory Card    | MicroSD/SDHC Card up to 32GB      |
|----------------|-----------------------------------|
| Recording Mode | Alarm, Motion Detection, Schedule |

# 06 | General

| Connectors               | $RJ-45\ cable\ connector\ for\ LAN\ or\ PoE/1\ x\ audio\ input\ \&\ 1\ x\ audio\ output\ 1\ x\ Trigger\ input\ \&\ 2\ x\ Strobe\ output\ /\ 1\ x\ RS\ 485\ for\ serial$ |
|--------------------------|---|
|                          | interface DC 12V power connector / (Micro)SD/SDHC slot 1 x Analog composite video (CVBS), BNC   |
| PoE                      | Standard IEEE 802.3af Supported   |
| Power Supply/Consumption | DC12V/7.0W(350mA)   |
| Operating temperature    | -10°C ~ 50°C (14°F ~ 122°F)   |
| LED Indicator            | Power and network system status   |
| Safety Certifications    | FCC, CE, RoHS   |
| Operating Humidity       | Up to 85% RH (Non-condensing)   |
| Weight                   | Approx. 440g (different according to model)   |
| Dimensions               | 72(W) x 53(H) x 121.4(D) mm(different according to model)   |
| Package Information      | IP camera, Quick Installation Guide, CD (Manual, CMS bundle S/W)  |

# 07 | System Requirements

| O/S         | Microsoft Windows 7 / Vista / XP |
|-------------|----------------------------------|
| Web browser | Internet Explorer 7.x or above   |

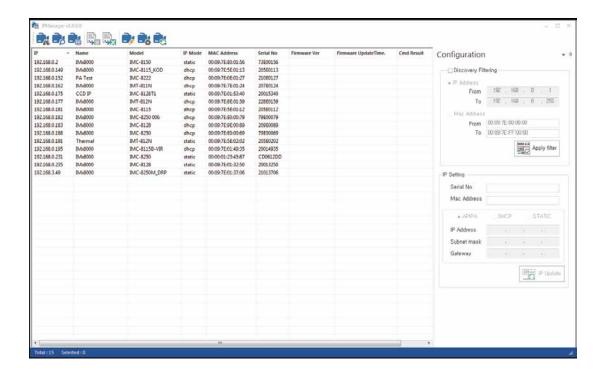
# 08 | ient S/W & Integration

| API/SDK HT    | TTP CGI based, DLL library    |
|---------------|-------------------------------|
| Compliance On | nvif Profile S, PSIA 1.1, CGI |



## IP Manager

The IP Manager is used to find the IMI TECH IP camera and set the IP address on the Network. Remote Firmware Update, Camera Rebooting, Factory Default Adjustment and Web UI connection are also provided. There is a function to export camera setting parameters as text or excel format.



#### Bundled Software

The IMI TECH IP Camera Bundled Software provides a dash board on which the user can record the status of each camera, the recording schedule, and the disk driver volume, etc. In a Windows 8 style viewer, each channel size can be resized and moved freely. UI is considered for user convenience. Recording can be set by event or time. It can save a path, an interval and a time to save. A simple multi channel player includes time table function; and an optional file backup is available.

