



**REMOTE ALERT**  
**in30S2N1L30 Ver.3**  
**4-in-1**  
**ATM Camera**



**Quick Start Guide**

Before operating this product, please read this quick-start guide to ensure proper use. Please store these instructions a safe place for future reference.

**FEATURES**

- Compact Design
- Fixed lens
- 1080P Full HD High Sensitivity Sensor
- 800TVL Resolution in analog mode
- Selectable , Analog, TVI, CVI, AHD
- Wide Dynamic Range
- HLC, BLC, DEFOG
- Sens Up
- On Screen Menu
- 12VDC or 24VAC when using power module

**PRECAUTIONS**

1. Before installing and operating the unit, please read this manual carefully.
2. Precision components are contained in this camera, please avoid violent vibrations during installation and maintenance. Do not connect the power until you have completed the installation.
3. Please obey all local electrical wiring regulations when using this unit.
4. Do not use abrasive or corrosive materials for cleaning. Use only a soft cloth for cleaning.
5. To prevent damage to the lens or sensor, do not point the camera directly into the sun or very strong light sources.
6. Do not use the camera outside it's working temperature (-10°C~ 50°C / 14°F ~122°F) or humidity (<90%) ranges.
7. Ensure that the power supply meets the current requirements of the camera and that the supply voltage is inside the tolerances of the camera: 24VAC ±10%
8. Ensure that the fixings used are adequate to support the load of camera.
9. In case of camera failure, do not attempt to dismantle or service the camera yourself. Please refer to qualified service personnel for repair of the camera.

**CONNECTIONS**

Connections for video and power are as follows

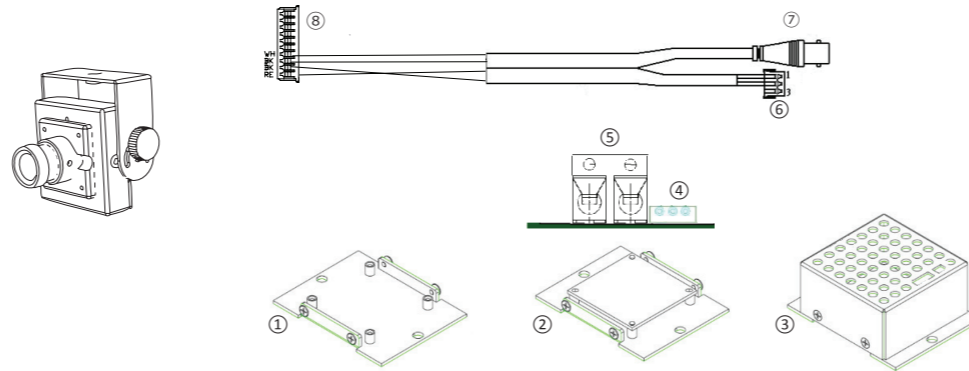
1. Remove cover from module. ③
2. Mount power module utilizing the two holes in base plate. ①
3. Attach incoming power cable under the screw terminals ⑤ on the power module and tighten down.
4. Verify 3 pin molex ⑥ is plugged into power board. ④
5. After mounting the ATM camera, plug the 10 pin Molex ⑧ into the back of the ATM camera.
6. Connect BNC cable. ⑦
7. Power up unit and test.

Note: Be sure to protect your BNC connector so it will not ground out on ATM machine.

Secure all cable approprialty inside ATM



**MOUNTING POWER MODULE AND ATM BRACKETS**

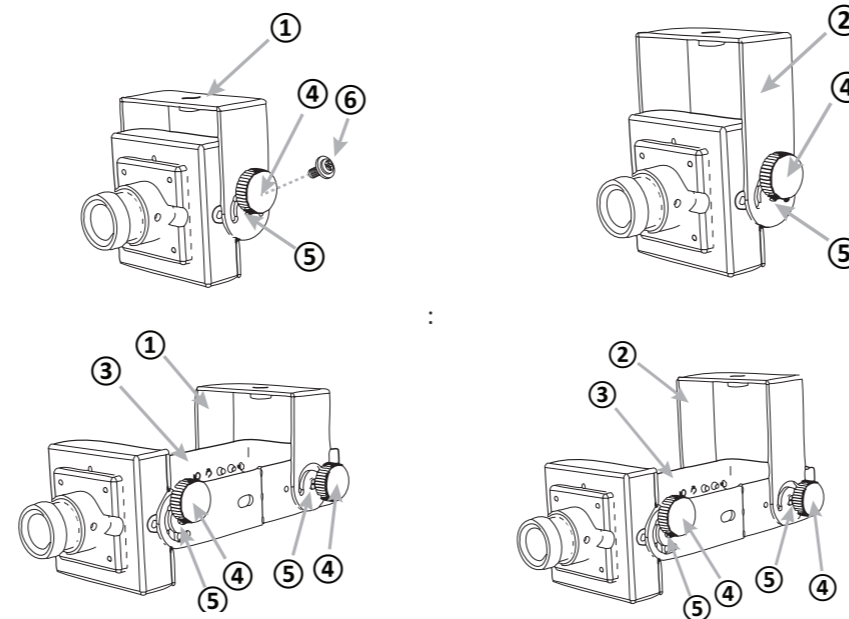


The camera comes with a number of bracket options, to enable the camera to be mounted and positioned in restricted spaces. The brackets can be assembled in different combinations, with different pivot positions, to allow versatile installation.

The kits of parts includes:

- 1x Short U-Bracket ①
- 1x Long U-Bracket ②
- 1x Extension Bracket ③

- 4x M2 Knurled lock screws ④
- 4x M2 Flat pivot screws ⑤
- 4x M2 Domed lock screws ⑥



The different bracket configurations are shown above: Depending on the available installation space, the knurled lock screws ④ may be interchanged with the spare domed lock screws. ⑥ Do not overtighten the lock screws. Remember to secure the power/video lead to the bracket.

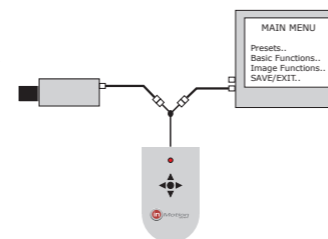
**OSD ACCESS**

The camera is supplied in a general configuration that will suit the majority of installation requirements. Should advanced configuration be required then the optional iCCTV™ compliant UTC (up the coax) Programmer may connected to provide access to the camera. The UTC programmer may be used remotely from the camera (e.g. at a DVR), such that direct access to the camera is not required for its use

To view the On Screen Display, connect the Video-In connector of a UTC controller to the Video-Out connector of the camera. Connect the Video-Out of the UTC controller to a display monitor, as shown below.

To activate the camera OSD, depress the joystick button on the Controller for 1 second (Correct operation of the UTC controller: operation is confirmed when LED is latched on.) Push the joystick ▲▼ to select a menu from the list. Push the joystick ◀▶ to change the selected value. Press the joystick button to call the sub-menu or execute a command.

To return from a sub-menu to the previous menu, select "Previous Page" and press the joystick button.



**OSD MAIN MENU**

When the OSD menu is launched, you are presented with the adjacent opening screen.

A menu option followed by a ↵ indicates the presence of a sub-menu. Options set to OFF will not show a ↵ until set to ON

Use RETURN ↵ to return to the previous menu.

MENU	
EXPOSURE	↵
BACKLIGHT	WDR↵
DAY/NIGHT	↵
WHITE BALANCE	↵
DNR	Middle
IMAGE	↵
MOTION	OFF↵
SYSTEM	↵
EXIT	SAVE↵

**EXPOSURE MENU**

Exposure menu:

- **Lens- Manual**
- **BRIGHTNESS** - sets the level of the overall brightness
- **SHUTTER**- OFF, 1/60~1/120K. (1/50~120K PAL) Set this on to reduce the exposure time of each image. This can be used to reduce blur in images with fast changing content.
- **FLK**- Use this when flicker is observed in the image under fluorescent lighting. When FLK is ON, the shutter menu is disabled.
- **SENS UP** - Slows frame rate and increases low light sensitivity
- **AGC- Off or Level Control** -Used to adjust overall AGC level

IMAGE	
LENS	MANUAL
BRIGHTNESS	10
SHUTTER	AUTO
SENS-UP	x4
AGC	10
RETURN	↵

## BACKLIGHT

### BACKLIGHT - OFF, BLC, HLC, WDR

- BLC** - Adjust the area to be enhanced and sets the level. Initial resets the BLC setting to defaults.
- HLC** - (High Light Compensation ) Low, Middle, High. This inverts over exposed areas from white to black
- WDR** - Weight, Low, Middle, High. Provide optimal image exposure in images with extremes of lighting, this is used to improve contrast in bright/dark areas.

BACKLIGHT	
WEIGHT	MEDIUM
RETURN	↵

## DAY&NIGHT

### DAY/NIGHT - AUTO, COLOR, B/W, EXT

- AUTO** - Allows the camera to switch from color to B/W mode in low light. The switching thresholds and hysteresis time are adjustable.
- COLOR** - fixes the camera in color mode
- B/W** - fixes the camera in monochrome mode.
- Extern - NA**

◆ DAY/NIGHT ◆	
MODE	AUTO
D>N	10
N>D	7
THRES DELAY	2
RETURN	↵

## WHITE BALANCE

### WHITE BAL - AWB (default), AUTOext PRESET, MANUAL

- AWB** - the camera automatically samples the image for optimum white balance
- PRESET** - Allows the white balance to be set automatically and locked. This option is normally used when no white reference is present in the image. To set the white balance, hold a white object in front of the camera, with light from the source falling on it and press the joystick to set and lock the white balance
- MANUAL** - This option allows the color tempature, Red and Blue gain to be manually set in the image. Note, using this option requires care to ensure all cameras on one system have the same color response.

MANUAL	
C-TEMP	5000K
R-GAIN	[ 10] ██████
B_GAIN	[ 10] ██████
RETURN	↵

## DNR

**DNR** - OFF, LOW, MIDDLE, HIGH - Controls the level of digital noise reduction applied to the image. Increasing DNR may soften the image.

## IMAGE

### DISPLAY ADJ - OFF, ON - Press to open submenu.

- COLOR GAIN** - Level control
- SHARPNESS** - Level control
- GAMMA** - 0.35~0.70, default 0.45 - sets the gamma response of the camera. This used to compensate for the output response of different display types. It can also be used to bring out details in low light areas of an image.
- MIRROR** - OFF/ON, Set this feature to ON to show a mirror image of the camera view.
- FLIP** - Flip image ON or OFF
- D-Zoom** - Digitally zooms in on center of image
- ACE** -
- DEFOG** - Improves the clarity of image obscured by fog and snow by analysing the brightness of the image and compensates the color of the image.
- SHADING** - Level control for lens
- PRIVACY ZONE** - OFF, ON - 2 kinds, BOX (16) Polygon (4)

DISPLAY ADJ	
COLOR GAIN	[ 10] ██████
CHROMA	[ 5] ██████
GAMMA	.5
MIRROR	OFF
FLIP	OFF
D-ZOOM	0.0x
ACE	OFF
DEFOG	OFF
SHADING	OFF
PRIVACY	OFF
RETURN	↵

## MOTION

### MOTION - OFF, ON - Press to open submenu.

- DET SINDOW** - Select Zone 1-4 to set up
- SENSITIVITY** - Set sensitivity threshold, A high figure makes the zone more sensitive.
- MOTION OSD** - If selected Motion area Box will be displayed on screen
- TEXT ALARM** - If Selected Text will show on screen when motion is activated.

MOTION SET	
DET Window	OFF
SENSITIVITY	5
MOTION OSD	OFF
TEXT ALARM	OFF
RETURN	↵

## SYSTEM/VIDEO OUT

### SYSTEM - Gives access to basic camera configuration

- COM** - Protocol, Camera ID , Baudrate
- OUTPUT** - 4-in1 Selections
- FRAMERATE** - 1080P 60/50 or 30/25, 1080i 60/50 ,720P 60/50 or 30/25
- FREQ- 60/50Hz**
- CVBS OUT - (4:3, 16:9)**
- ANALOG MODE:** HD-T (TVI), HD-C (CVI), HD-A (AHD), CVBS
- CONFIRM** - If you change any selection in the output mode press and hold the enter button for 3 secs. If watching the screen it will change from ON to show "PUSHING" This will change the selection you just made above.
- LANGUAGE** Default to English -CHN, CHNs, JPN, KOR
- CAM TITLE**
- Exit**

SYSTEM	
COM	↵
OUTPUT	↵
COLOR BAR	OFF
LANGUAGE	ENG
CAM TITLE	OFF

**NOTE:** If you make changes to the video output mode , verify you have a monitor that will accept the new video format selected or you will be locked out of the camera until you connect to a device that accepts that new video format.

## EXIT

- EXIT** - Exits the menu mode

## SPECIFICATIONS

	System	NTSC
<b>Imaging</b>	Sensor	1/2.8 2MP Advanced Sensitivity Sensor
	Effective Pixels	1920 x 1080
<b>Performance</b>	Resolution HD	1080P Full HD
	Resolution Analog	800TVL
	Sensitivity	0.03Lux
	Wide Dynamic Range	130dB Max
	S/N Ratio	52dB
	Day / Night	Software Controlled
<b>Lens</b>	Type	3mm,
	Mount	12mm threaded
<b>Functions</b>	Video Interface	Analog HD (TVI, CVI, AHD, CVBS)
	OSD	English, Chinese, Japanese, Korean
	Flickerless	On/Off
	Wide Dynamic Range	On/Off low/Middle/High
	DEFOG	Auto/Manual/Low/Medium/High
	Digital Image Stabilize	Yes
	AGC	Adjustable Level
	SENS UP	Adjustable Level 512x
	Electronic shutter	Off/On 1/200,000 sec maximum
	Sync	Internal
	Camera ID Number	Off/On 1~255
	Camera Name	Off/On, 15 Characters
	White Balance	ATW/Push/Manual
DNR	2D + 3D Off, Low, Medium, High	
Gamma	0.35, 0.4, 0.45, 0.5, 0.55	
Motion Detection	4 areas, Off/On, Position & Sensitivity	
Privacy masking	8 areas, Off/On, Color, Position	
Image functions	Sharpness, Mirror, Flip, D-Zoom	
<b>Input/Output</b>	Video Output	CVBS 1.0Vp-p 75Ω - BNC
	Programming interface	in-line joystick/Optional UTC Controller
<b>Power</b>		12VDC or 24VAC ±10% 3W max when using supplied power module
<b>Physical</b>	Construction	Die Cast
	Dimensions (mm)	36H x 36W x32dD
	Weight	80G
	Mounting	Multiple mounting brackets included
<b>Environmental</b>	Operating Temperature	-10°C~+50°C
	Humidity	Less than 90%, non condensing
<b>Order Codes</b>	Lens	3mm in30S2N1L30 Ver.3

We reserve the right to amend specifications and design without prior notice