# Remote Controller

3.2.1 按鍵說明

1.待機鍵

長按 3S 後,相機將進入待機模式。再次長按 3S,相機將再次自檢並返回 HOME 位置。 (注意:如果打開了開機模式並且設置了預設 0,並且 12s 內沒有任何操作,它將自動指向指定的預設位置。

2.攝像機地址選擇

選擇要控制的攝像機地址

3.數字鍵

設置或運行 0-9 個預設

4,*,#鍵

組合鍵使用

5.聚焦控制鍵

自動聚焦:進入自動聚焦模式。

手動對焦:相機對焦模式為手動

通過按[focus +]或[focus-]進行調整將相機對焦模式切換為手動對焦。

6.縮放控制鍵

變焦 + :近鏡頭

變焦 - :遠鏡頭

7.設置或清除預設鍵:

設置預設:設置預設鍵+ 0-9 數字鍵:

清除預設鍵:清除預設鍵+ 0-9 數字鍵

8.平移/傾斜控制鍵
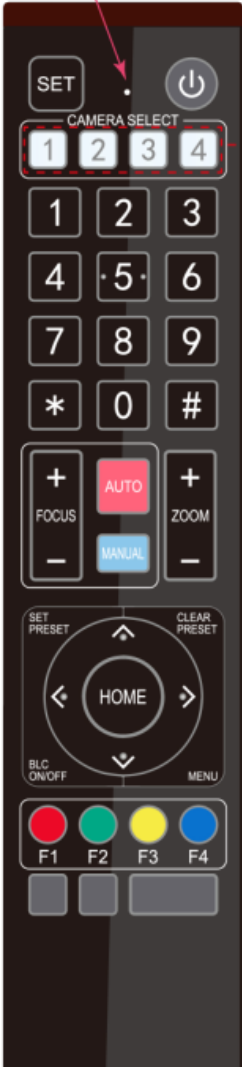
按下鍵:上

按下鍵:下

按鍵:左

按鍵:向右

" HOME"鍵:返回中間位置或進入下一級菜單

9. BLC 控制鍵

背光燈開/關:打開或關閉背光燈

10.菜單設定

打開或關閉 OSD 菜單

進入/退出 OSD 菜單或返回上一個菜單。

11.相機紅外遙控器地址設置

【*】+【#】+【F1】:攝像機地址 1

【*】+【#】+【F2】:攝像機地址 2

【*】+【#】+【F3】:攝像機地址 3

【*】+【#】+【F4】:攝像機地址 4

## 12. 按鍵組合功能

1) 【#】+【#】+【#】：清除所有預設    2) 【*】+【#】+【6】：恢復出廠設置

3) 【*】+【#】+【9】：撥動開關    4) 【*】+【#】+Auto: 進入老化模式

5) 【*】+【#】+【3】：菜單設置為中文    6) 【*】+【#】+【4】：菜單設置為英文

7) 【*】+【#】+Manual: 恢復默認的用戶名，密碼和 IP 地址    8) 【#】+【#】+【0】：切換視頻格式為 1080P60

9) 【#】+【#】+【1】：切換視頻格式為 1080P50    10) 【#】+【#】+【2】：切換視頻格式 1080I60

11) 【#】+【#】+【3】：切換視頻格式為 1080I50    12) 【#】+【#】+【4】：切換視頻格式為 720P60

13) 【#】+【#】+【5】：切換視頻格式為 720P50    14) 【#】+【#】+【6】：切換視頻格式為 1080P30

15) 【#】+【#】+【7】：切換視頻格式為 1080P25    16) 【#】+【#】+【8】：切換視頻格式為 720P30

17) 【#】+【#】+【9】：切換視頻格式為 <span style="color:red">720P25</span>

## 3.2.2 應用領域

完成初始化後，它可以接收並執行 IR 命令。 按下遙控器按鈕，指示燈閃爍； 鬆開按鈕，指示燈停止閃爍。 用戶可以通過紅外遙控器控制搖攝/傾斜/縮放，設置和運行預設位置。

關鍵說明：

1) 1.在此說明中，"按下鍵"是指單擊而不是長按，如果需要長按一秒鐘以上，則會給出特別提示。

2) 2.如果需要組合鍵，請按順序進行。 例如，"【**]+【#】+【F1】"先按"【*】"，再按"【#】"，最後按"【F1】"。

### Camera Selection



Select the camera address to control.

### 2) Pan/Tilt Control



Up:     press ◀        Down:   press ▲
Left:    press ▼        Right:   press ◀
Back to middle position: press "【HOME】"

Press and hold the up/down/left/right key, the pan/tilt will keep running, from slow to fast, until it runs to the endpoint; the pan/tilt running stops as soon as the key is released.
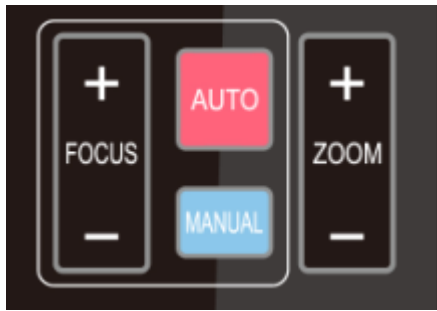
### 3) Zoom Control



ZOOM IN: press "ZOOM ▼ " key
ZOOM OUT: press "ZOOM ◀ " key
Press and hold the key, the camera will keep zooming in or zooming out and stops as soon as the key is released.

### 4) Focus Control

Focus (near):Press "【focus+】" key (Valid only in manual focus mode)

Focus (far): Press "【focus-】" key (Valid only in manual focus mode)

Auto Focus: Support

Manual Focus: Support

Press and hold the key, the action of focus will keep continue and stops as soon as the key is released.

## 5) BLC Setting

BLC ON / OFF: support

## 6) Presets Setting, Running, Clearing

1. Preset setting: to set a preset position, the users should press the "【SET PRESET】" key first and then press the number key 0-9 to set a relative preset,

**Note: 10 preset positions in total are available by remote controller.**

2. **Preset Running:** Press a number key 0-9 directly to run a relative preset.

Note: Action in vain if a relative preset position is not existed.

3. Preset clearing : to clear a preset position, the user can press the "【CLEAR PRESET】" key first and then press the number key 0-9 to clear the relative preset;

**Note : press the "【#】" key three times continually to cancel all the presets.**

## 7) Camera Remote Controller Address Setting
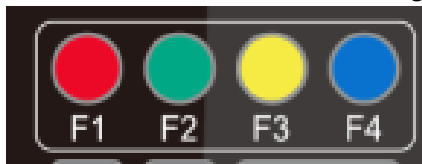
【*】+【#】+【F1】:Camera Address No.1

【*】+【#】+【F2】:Camera Address No. 2

【*】+【#】+【F3】:Camera Address No. 3

【*】+【#】+【F4】:Camera Address No. 4

# 3.3 MENU SETTING

### 3.3.1 Main Menu

In normal working mode, press 【MENU】key to display the menu, using scroll arrow to point at or highlight the selected items.

```
  MENU
  ===============
  Language          English
  (Setup)
  (Camera)
  (P/T/Z)
  (Video Format)
  (Version)
  (Restore Default)


  [ ↑  ↓ ]Select     [ ←  → ]Change
  Value
```
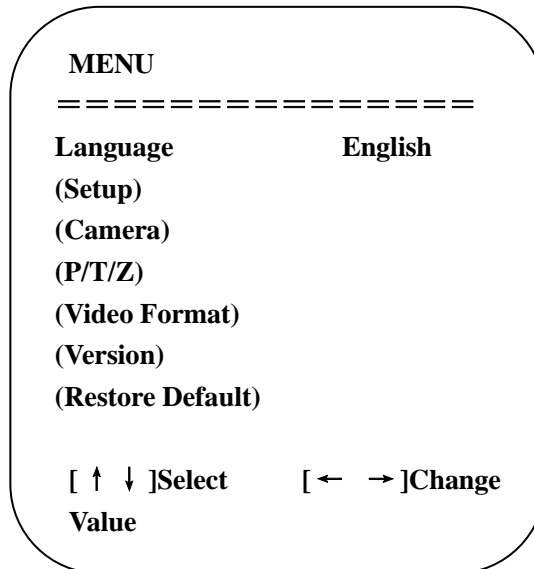
**LANGUAGE**: Language setting, Chinese / English
**SETUP**: System setting
**CAMERA OPTION**: Camera setting
**PTZ OPTION**: Pan tilt setting
**VERSON**: camera version setting
**Restore Default**: Reset setting
[↑ ↓] **Select**: for selecting menu
[← →] **Change Value**: for modify parameters
[**MENU**] **Back**: Press [MENU] to return
[**Home**] **OK**: Press [Home] to confirm

### 3.3.2 System Setting

Move the pointer to the (Setup) in the Main Menu, click the【HOME】key and enter into the (System Setting) as shown below,

```
   SETUP
================
Protocol              Auto
Visca Address         1
Visca Address Fix     OFF
PELCO-P Address       1
PELCO-D Address       0
Baudrate              9600


[↑↓]Select    [← →]Change
Value
```
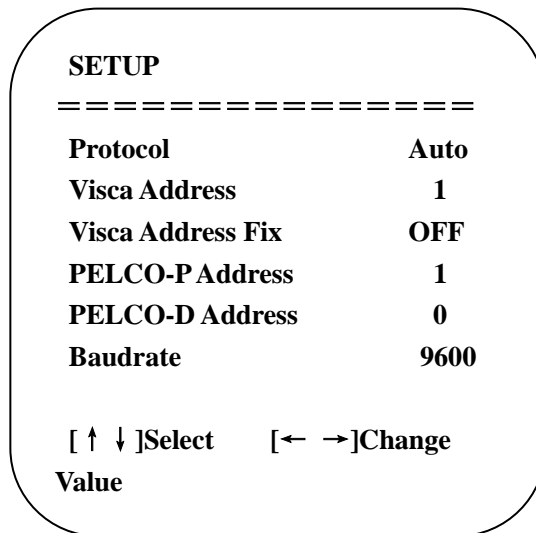
**PROTOCOL**: VISCA/Pelco-P/Pelco-D/Auto

**Visca ADDR**: VISCA=1~7    Pelco-P=1~255   Pelco-D = 1~255

**Baud rate:** 2400/4800/9600/115200

**Visca Address Fix**: On/Off


### 3.3.3 Camera Setting

Move the pointer to the (CAMERA) in the Main Menu, click the【HOME】key and enter the (CAMERA) as follow,

```
  CAMERA
================
(Exposure)
(Color)
(Image)
(Focus)
(Noise Reduction)


[↑↓]Select    [← →]Change
Value
```
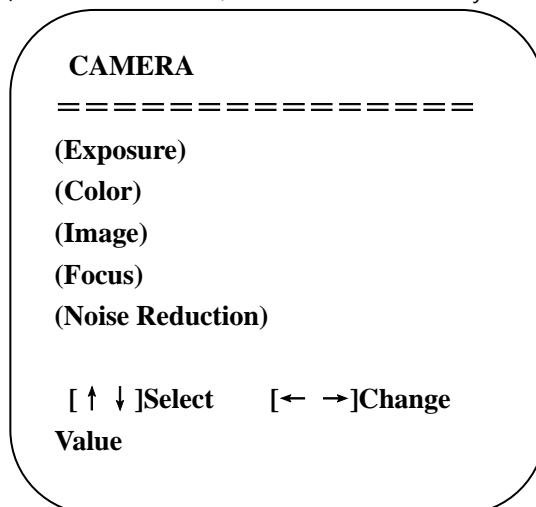
**EXPOSURE:** Enter into Exposure setting

**COLOR:** Enter into color setting

**Image:**  Enter into image setting

**Focus:**  Enter into focus setting

**Noise Reduction:** Enter into noise reduction


**1) EXPOSURE SETTING**

Move the pointer to the (EXPOSURE) in the Main Menu, click the【HOME】and enter the (EXPOSURE SET) as follow,

```
EXPOSURE
================

Mode                Auto
EV                  OFF
BLC                 OFF
Anti-Flicker        50Hz
Gain Limit          3
WDR                 5


[↑ ↓ ]Select   [← →]Change
Value
```

Mode : Auto, Manual, Shutter priority, Iris priority and Brightness priority.

EV : On/Off (only available in auto mode)

Compensation Level: -7~7 (only available in auto mode when EV is ON)

BLC: ON/OFF for options (only available in auto mode)

Anti-Flicker: OFF/50Hz/60Hz for options (only available in Auto/Iris **priority**/Brightness **priority** modes)

Gain Limit: 0~15(only available in Auto/ Iris **priority** /Brightness **priority** mode)

WDR:   Off,1~8

Shutter

Priority:1/25,1/30,1/50,1/60,1/90,1/100,1/120,1/180,1/250,1/350,1/500,1/1000,1/2000,1/3000,1/4000,1/6000,1/100 00(only available in Manual and Shutter priority mode)

IRIS Priority:OFF,F11.0,F9.6,F8.0,F6.8,F5.6,F4.8,F4.0,F3.4,F2.8,F2.4,F2.0,F1.8(only available in Manual and Iris priority mode)

Brightness: 0~23 (only available in Brightness **priority** mode)

2) COLOR SETTING

Move the pointer to the (COLOR) in the Main Menu, click the【HOME】and enter the (COLOR SET) as follow,

```
COLOR
================

WB Mode             Auto
Saturation          80%
Hue                 7
AWB Sensitivity     High
Color style         Default
Color temp          Low


[↑ ↓ ]Select      [← →]Change
Value
```

WB Mode: Auto, 3000K、3500K、4000K、4500K、5000K、5500K、6000K、6500K、7000K, Manual, One Push

**Red Gain:** 0~255(only available in Manual mode)

**Blue Gain:** 0~255(only available in Manual mode)

**Saturation:**   60%,70%,80%,90%,100%,110%,120%,130%

**Hue**:   0~14

**AWB Sensitivity:**   high/middle/low

**Color Style:** Default, style1~4.

**Color Temp:** high/middle/low

**3) IMAGE**

Move the pointer to the (IMAGE) in the Menu, click the【HOME】and enter the (IMAGE) as follow,

```
     IMAGE
  ================
   Brightness              6
   Contrast                8
   Sharpness               7
   Flip-H                 OFF
   Flip-V                 OFF
   B&W-Mode              Color
   Gamma               Default
   DZoom                 OFF
   DCI                   Close
   [↑↓]Select      [←→]Change
  Value
```

**Brightness:** 0~14

**Contrast:** 0~14

**Sharpness:** 0~15

**Flip-H:** On/Off

**Flip-V:** On/Off

**B&W Mode:** color, black/white

**Gamma:** default, 0.47, 0.50, 0.52, 0.55

**DZoom:** digital zoom options: On/Off

**DCI: Dynamic Contrast**: Off,1～8

**4) FOCUS**

Move the pointer to the (FOCUS) in the Menu, click the【HOME】and enter the (FOCUS) as follow,

```
     FOCUS
  ================
   Focus Mode            Auto
   AF-Zone             Center
   AF-Sensitivity        Low


   [↑↓]Select      [←→]Change
  Value
```

**Focus Mode:** Auto, manual

**AF-Zone:** Up, middle, down

**AF-Sensitivity:** High, middle, low

## 5) NOISE REDUCTION

Move the pointer to the (NOISE REDUCTION) in the Menu, click the【HOME】and enter the (NOISE REDUCTION) as follow,

```
  NOISE REDUCTION
 ================
 NR-2D              Auto
 NR-3D               3
 Dynamic Hot Pixel   OFF

 [↑↓]Select    [← →]Change
 Value
```
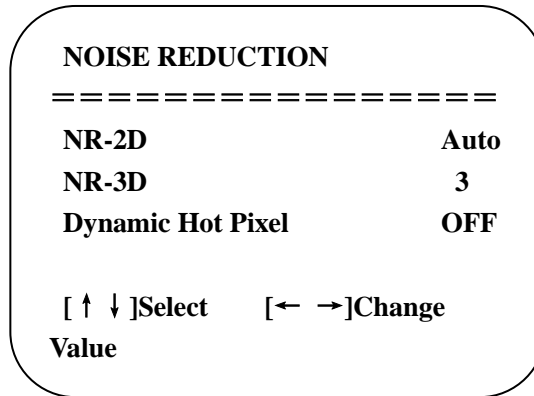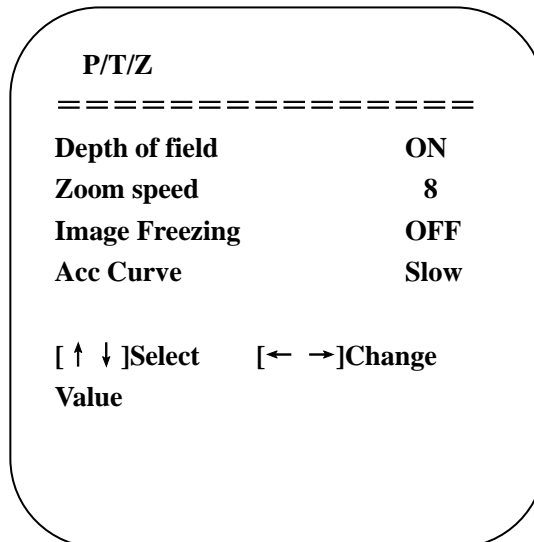
**2D Noise Reduction**: Auto, close, 1~7

**3D Noise Reduction**: Close, 1~8

**Dynamic Hot Pixel**: Close, 1~5

### 3.3.4 P/T/Z

Move the pointer to the (P/T/Z) in the Main Menu, click the【HOME】and enter the (P/T/Z) as follow,

```
   P/T/Z
 ================
 Depth of field        ON
 Zoom speed            8
 Image Freezing        OFF
 Acc Curve             Slow

 [↑↓]Select    [← →]Change
 Value
```

**Depth of Field:** Only effective for remote controller, On/ Off;

When zoom in, the PT control speed by remoter will become slow),

**Zoom Speed:** Set the zoom speed for remote controller,1~8

**Image Freezing:** On/Off

**Accelerating Curve:** Fast/slow

### 3.3.5 Video Format

Move the pointer to the (**Video Format**) in the Menu, click the【HOME】and enter the (**Video Format**) as follow,

```
┌─────────────────────────────────────┐
│                                     │
│     VIDEO FORMAT                    │
│    ════════════════                 │
│    1080P60          1080P50         │
│    1080I60          1080I50         │
│    1080P30          1080P25         │
│    720P60           720P50          │
│    720P30            720P25         │
│    1080P59.94       1080I59.94      │
│    1080P29.97       720P59.94       │
│    720P29.97                        │
│    [       ↑      ↓       ]Select   │
│    [Menu]Back                       │
│                                     │
└─────────────────────────────────────┘
```
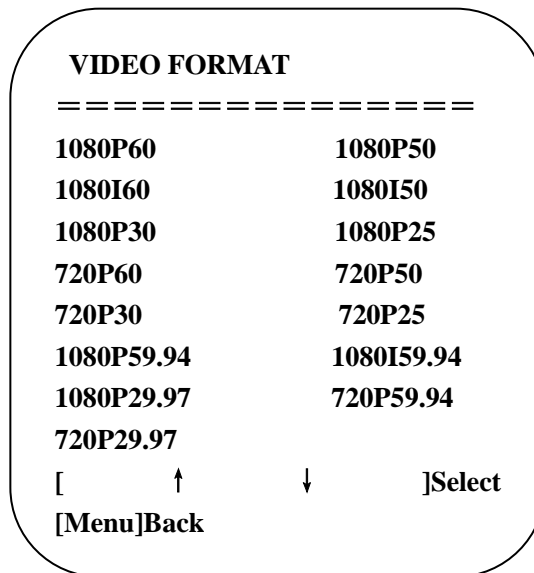
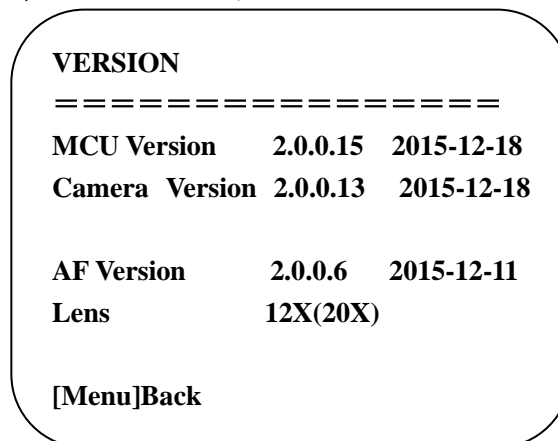**Note:** 1. S: 1080P60 Downward Compatibility; M: 1080P30 Downward Compatibility

2. Exit menu after modifying parameter to save it after powered off

<span style="color:red">**S Version：** 1080P60、1080P50、1080P30、1080P25、1080I60、1080I50、720P60、720P50、720P30、</span>

<span style="color:red">720P25、1080P59.94、1080I59.94、1080P29.97、720P59.94、720P29.97 Optional</span>

<span style="color:red">**M Version：** 1080P30、1080P25、1080I60、1080I50、720P60、720P50 Optional</span>

### 3.3.6 Version

Move the pointer to the (VERSION) in the Main Menu, click the【HOME】and enter the (VERSION) as follow,

```
┌─────────────────────────────────────┐
│                                     │
│     VERSION                         │
│    ════════════════                 │
│    MCU Version     2.0.0.15   2015-12-18 │
│    Camera  Version 2.0.0.13    2015-12-18 │
│                                     │
│    AF Version      2.0.0.6    2015-12-11 │
│    Lens            12X(20X)         │
│                                     │
│    [Menu]Back                       │
│                                     │
└─────────────────────────────────────┘
```

**MCU Version**: Display MCU version information

**Camera Version:** Display camera version information

**AF Version:** Display the focus version information

**Lens:** Display the lens zoom

### 3.3.7 Restore Default

Move the pointer to the (RESTORE DEFAULT) in the Main Menu, click the【HOME】and enter the (RESTORE DEFAULT) as follow,

```
   RESTORE DEFAULT
================
 Restore  Default?         NO


 [↑↓]Select      [←→]Change
Value
```
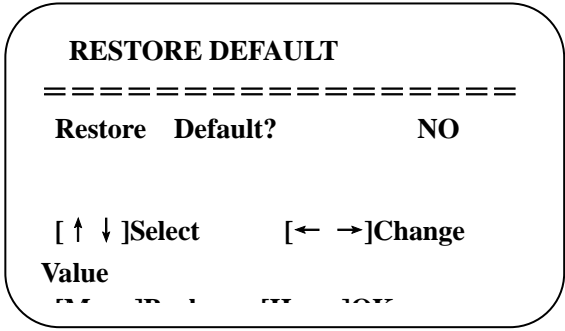
Restore default: options: yes/no; after restoring default, the video format won't be restored.

Note: If the address of former remoter is not 1 but another one from 2,3,4,the corresponding camera address will restore to 1 when all parameters or system parameters are restored. User should change the remoter address to be 1 (press No.1 according to the camera so to get normal operation )