

## UV96 series intelligent Explosion-proof PTZ Camera

UV96 series intelligent Explosion-proof PTZ Camera integrated with the high resolution integrated camera and high performance Pan/Tilt

UV96 series use the unique drive processing and display technique to ensure clear and stable video.

### Special features:

#### Unique structure features

- The machine body is made from aluminum(thickness: 5mm-15mm), which is firm and compact.
- The flat designed optical window is made of toughened glass(thickness:5mm)which can prevent the distorted images with great extend as well as protect the built-in integrated camera.
- 360° continuous pan rotation,125° tilt rotation
- Installation modes: upwards, downwards
- Meeting EXdIIBT6 Explosion-proof standards
- Meeting IP66 water-proof standards

#### Integrated structure

- Built-in 36×high resolution integrated camera
- Built-in wiper
- Built-in heater
- Built-in defrost device
- Built-in multi protocol decode controller

#### Pan Tilt features:

- Stepper motor with gearbox, stable operation, accurate position and quick responds
- Manual Control Speed for Pan: 0.1°-90°/sec
- Manual Control Speed for Tilt: 0.1°-40°/sec
- Preset Speed: 90°/sec for pan; 40°/sec for tilt.
- Variable pan auto scan speed: 1°-40°/sec available
- Variable Apple peel scan speed: 1°-40°/sec for pan; 1°-20°/sec for tilt

#### Camera Features:

- Built in high resolution and variable high zoom camera module
- Black Light Compensation function
- Selectable Color or B&W image function
- Wide Dynamic Video function
- Image Stabilizer function
- Privacy mask function, can support up to 24 privacy zones
- Video Freeze function for high speed presets

#### Built in Decoder features:

- Integrated multi decoder controller: PELCO P/D protocols





- Can make soft address and hard address setting
- Chinese/English OSD menu to set the camera and pan tilt function
- Environment checking function, check the inside temperature real time;  
Will automatically open the fans once the inside temperature exceed the setting limit value.
- Powering on self-restoring function: users can assign the camera movement after powering on.
- Change speed proportionally function: Pan/tilt speed and the depth of zoom lens decline proportionally and continuously
- The Pan/tilt orientation displays and camera zoom displays variably. Data feedbacks the PTZ orientation.
- With pan auto scan function, the pitching angle can be set
- Virtual home position can be set
- With apply peel scan function
- 2 pattern function
- 4 presets tour function, dwell time can be set
- 255 preset positions with precision error less than  $\pm 0.1^{\circ}$
- 5 channels fixed time auto activate function, to run the preset movements
- 3 modes to control the wiper function
- Camera orientation display function (N,NE,E,SE,S,SW,W,NW total 8 orientations)
- 2 alarms input, 1 AUX output

#### OSD Menu Features:

- Built-in Chinese/English menu, easy to switch menu between 2 languages
- With OSD passport protect function
- Support Chinese/English input, can edit title of the user name, camera position and preset position
- Can set, run, clear presets, preset tours, privacy zone by menu
- Inside temperature and pan tilt orientation information display

#### Protect Features:

- Embed in surge and lightning protector
- Meeting IP66 standards, CE,ROHS, FCC standards

#### Camera Parameter

- Sensor: 1/4" Exview HAD CCD
- S/N Ratio: >50 dB
- Effective Pixel: 752H×582V
- Shutter Speed: 1/2~1/10,000s
- Minimum illumination: 0.01Lux
- Sync system: Inner/Outer Sync
- Signal Output: 1.0Vp-p/75Ω
- Iris Control: Auto/Manual first
- White balance: Manual/Auto
- Focus Control: Manual/Auto
- Scanning system: 15.625KHz(H) 50Hz(V)
- Zoom: 36X f=3.4~122.4mm
- Horizontal pixel: 540TVL

#### Mechanical Structure:





- Al-alloy housing
- High strength optical window uses toughened coated glass, of 5mm thickness.
- Weight: 20KGs





## Electrical Index:





- Input voltage: 18VAV--24VAC/18VDC—24VDC
- Working temperature:  $-40^{\circ}\text{C} \sim +55^{\circ}\text{C}$
- Input power: 50W

## Pan Tilt Features:





**Manual Control Speed:**

0.1°-90°/sec for pan

0.1°-40°/sec for tilt

**Preset Target Speed:**

90°/sec for pan

40°/sec for tilt

Auto Speed Speed: 1°-40°/sec can be set

3 Scan Modes: Auto/Apply Peel scan/preset tours

Pan Rotation: 360°continuous rotation

Tilt Rotation: 125°

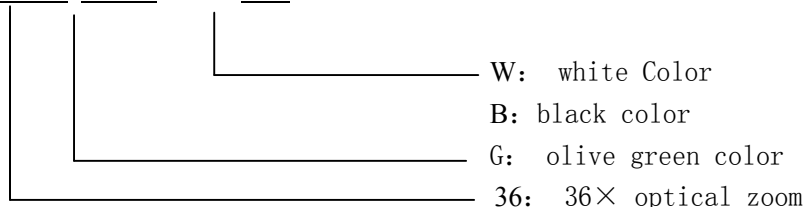
**Order Model No.**

Model No.	camera module	power supply	body color
UV96EX36-W	36×SONY FCB-EX1010P camera module	AC24V/DC24V	white
UV96EX36-B	36×SONY FCB-EX1010P camera module	AC24V/DC24V	black
UV96EX36-G	36×SONY FCB-EX1010P camera module	AC24V/DC24V	green

Note: for NTSC format please add “-N” at the end of the model No.

**Explanation for the Model No.**

UV96EX    XX    —    X



E.g: UV96EX36-W denotes UV96EX Explosion proof products with 36x integrated camera, and the body color is white.

**Applications:**

- Inflammable and explosive places(except for coal mine)
- Key site safety protection
- Vehicle System, Vessel System,

**Selectable Accessories**

**Control Keyboard**

UV100-KBD Complete function desk keyboard. P

protocol, compatible to PELCO-P protocol; Baud rate:4800;RJ-45 interface

UV900-KBD Complete function desk keyboard. P protocol, compatible to PELCO-P protocol; LCD display menu,three



dimensional rocker, DVR and alarm control; Baud rate: 2400/4800/9600; RJ-45 interface

**Power Supply Adapter**

UV-PB24/230 input voltage AC230V, output voltage AC24V, 2.5A; outdoor installation

UV-PB24/120 input voltage AC120V, output voltage AC24V, 2.5A; outdoor installation

**Dimensional Drawing (unit: MM)**

