

# TrueVixon HD85 High Definition Conference Camera

TrueVixon HD85 camera provides two mega pixel resolution with sharp and natural clear images, this X 10 times optical focusing, PTZ and high speed industrial camera is most selected for high end conference applications.



## Main Features

### – Superior High Definition Image

With a 1/2.5 inch HD CMOS sensor, it produces a 1280 x 720 resolution picture, even at 6 Lux darkness it can perform a very high noise reduction ratio for a clearer and better outcome.

### – X10 Times Optical Focusing

A high speed and steady auto focusing zoom lens can reach up to 10 times optical disposition.

### – RS-232/RS-422 Serial Commands

Allowing control camera movement, pan, tilt and zooming from remote.

### – HD and SD Video Outputs

Supports High Definition output with 720p and Standard Definition format with NTSC/PAL.

### – Image Transfer Ports

Supports standard composite (Y/Pb/Pr) ports, which allow a transmission of reliable high quality video to a distant codec.

### – Large Scale and High Speed Movement

Pan:  $\pm 170^\circ$

Tilt:  $-30^\circ \sim 90^\circ$

Enhanced Stabilizing Technology insures an impressive image output.

### – Preset Feature

Supports camera preset function, which stores camera's angle position and zooming status, even after powered off.

## Technical Specifications

### Image Sensor

1/2.5" HD CMOS

### Effective Pixels

921600 (16:9)

### Source Resolution

HD: 720p/60f, 720p/30f

SD: NTSC、PAL

### Lens

X 10 times optical focusing  $f=4.5\sim 45\text{mm}$ ,

$F=1.8\sim 2.2$

### Image Horizontal and Vertical Flipping

Supports flip-over, mounted on the ceiling

### Enhanced Stabilizer

Secures image quality in Pan and Tilt movement

### Horizontal Viewing

$5.4^\circ$  (Far)  $\sim 72^\circ$  (Near)(Fish Eye Lens Optional)

### Close-up

10mm (near), 1000mm (Far)

### Darkness

6Lux (F1.8, 50IRE)

### Focusing Methods

Auto/Manual

### Auto Exposure

Auto, Backlight Compensation

### Aperture Speed

$1/5\sim 1/4000/\text{s}$

### Gain Control

Auto (0 $\sim$ 24dB, 4dB Gradually)

### White Balancing

Auto

### Signal Noise Ratio

$>54\text{dB}$

### Pan Range

$\pm 170^\circ$

### Tilt Range

$-30^\circ \sim 90^\circ$

### Video Output

HD Composite (Y/Pb/Pr)

SD CVBS

### Command Ports

RS-232C (8-pin mini DIN) control (VISCA)

RS-422 (5-pin) control (VISCA)

### Electrical Specifications

Power Consumption:  $\leq 24\text{W}$

Power supply: DC 12V (DC 10.8 $\sim$ 13.2V)

### Ambiance Requirement

Operating Temperature:  $-10^\circ\text{C}\sim 60^\circ\text{C}$

Storage Temperature:  $-25^\circ\text{C}\sim 70^\circ\text{C}$

### Physical Characters

Width x Height x Depth: 132mm x 144mm x 144mm

Weight:  $\leq 900\text{g}$

Colour: Black

## TrueVixon100 Conference Camera

TrueVixon100 is a high quality and fast motorized videoconferencing camera, integrated design with Pan, Tilt and Zoom. The camera can be controlled by Infrared or through RS-232C/422 protocols remotely. The TrueVixon100 camera has a compact, easy to use structure with functions such as Auto Aperture, Auto Focusing, X 18 times optical zooming and wide angle.



### Main Features

#### - Highlights

X 216 times zooming ratio (X18 times optical + X12 times) can fast position auto zooming to object.

#### - Wide Range Pan / Tilt

Pan:  $\pm 170^\circ$

Pan Speed:  $170^\circ/\text{s}$

Tilt:  $-30^\circ \sim +90^\circ$

Vertical Speed:  $90^\circ/\text{s}$

#### - Position Preset

6 preset positions available, customized preset is also supported.

#### - High Quality of Sony CCD Image Outcome

Integrated with Sony CCD High Resolution Technology, camera can perform an excellent low light sensitivity of less than 1 Lux.

#### - RS-232C/RS422 parallels control (VISCA)

Camera's PTZ features are remotely controllable via RS-232C cable (15 meters) and RS-422 cable (1,200 meters)

#### - Power Standby Mode

TrueVixon100 can switch between Standby and On modes. Energy saving, Standby can be woke up by any incoming call.

### Technical Specifications

Model	TrueVixon100
Image Sensor	1/4" EXview HAD CCD
Effective Picture Elements	752 (H) X582 (V) 440K
Horizontal Resolution	PAL: 460TVL
Focal Length	f=4.1~73.8mm, F=1.4~3.0
Zoom Range	Optical X 18 times, Digital X 12 times
Angle of View (H)	2.7° (tele end)~48° (wide end)
Min. Object Distance	10mm (wide end), 800mm (tele end)
Min. Illumination	1 Lux (F1.4)
Auto Exposure	Auto, Back light compensation
Shutter Speed	1/10s~1/10,000s
Gain	Auto (-3~+28dB, 2dB progressive)
White Balance	Automatic
Video S/N	More than 50dB
Video Output	AV Composite, 1.0Vpp, S Video, Y 1.0Vpp, C 0.3Vpp
PAN	$\pm 170^\circ$ (max. speed: $100^\circ/\text{s}$ )
TILT	$-30^\circ \sim 90^\circ$ (max. speed: $90^\circ/\text{s}$ )
Preset Positions	6
Aperture Control	16 levels
Video Output	CVBS, Y/C
Camera Control	RS-232C (8-pin mini DIN) control (VISCA), RS-422 (5-pin) control (VISCA)
Power Requirements	DC 12V (DC 10.8~13.2V)
Power Consumption	12W
Operating Temperature	$0^\circ \sim 40^\circ$
Storage Temperature	$-20^\circ \sim +60^\circ$
Dimensions	132 (W)X144 (H)X144 (D) mm
Weight	950g
Unit Colour	Black