

## PTZ 35X HD

## Professional UHD/HD/SD Broadcast and Conference Camera



There are many situations that require video capture, but where sending in a camera operator is not feasible. When you need a small and unobtrusive camera that you can "set and forget," the Grass Valley pan-tilt-zoom camera provides a versatile and affordable way to capture images in situations that are not suited to larger cameras, with the image quality you expect from a Grass Valley camera.

Operating the camera is simple. The PTZ 35X HD reduces production complexity with remote control from any of Grass Valley's Kula switchers or automated as a part of GV Pace pre-set scenes. Images from the PTZ 35X can be intermixed with images from Grass Valley's LDX cameras without the audience seeing noticeable shifts in image quality.

## **KEY FEATURES**

- Adopts the most advanced Image Signal Processing, with a 1/1.7-in. 12.4 MP sensor, providing 3840x2160p30 Ultra HD video resolution
- 4K wide angle optical lens: 35x optical zoom and 2x digital zoom, with a wide 60.5° horizontal angle of view
- 4K video over IP, H.264, H.265 encoding
- Supports NDI v4.0 video transmission and control
- NDIIHX, HDMI, 3G-SDI, USB outputs, fit for different application, 4K video streaming over NDIIHX and HDMI
- White balance, exposure, focus, iris can be adjusted automatically or manually

- Supports PoE: one single CAT5/6 to get video, control and power supply
- Special focusing algorithm: fast and precise focusing performance when zooming or moving
- Smooth PTZ mechanical design, accurate pan tilt motor control
- 128 presets supported exposure parameter and white balance parameter can be saved in presets (in manual mode)
- Standard Sony VISCA, IP VISCA, PELCO-P, PELCO-D control protocol; IP VISCA over both TCP and UDP

- Daisy chain supported, max. 7 cameras connected in VISCA protocol
- Image flip function, supports upside-down installation
- Fast video format switch: less than 3 seconds
- Supported field upgrade for ISP, ARM, FPGA and USB
- . USB 3.0 port compatible with USB 2.0 output
- Supports RS-232/RS-485/UVC control

www.grassvalley.com



## **SPECIFICATIONS**

**Video Formats** 

HDMI (v1.4)

3840x2160p30/25

1920x1080p60/50/30/25/59.94/29.97/24

1920x1080i60/50/59.94

1280x720p60/50/30/25/59.94/29.97

SDI

1920x1080p60/50/30/25/59.94/29.97/24

1920x1080i60/50/59.94

1280x720p60/50/30/25/59.94/29.97

USB

1920x1080p60/50/30/25 (USB 3.0)

1280x720p60/50/30 (USB 3.0)

1280x720p25 (USB 3.0 & USB 2.0)

1024x576p30 (USB 3.0 & USB 2.0) 960x540p30 (USB 2.0)

640x360p30 (USB 2.0)

512x288p30 (USB 2.0)

3840x2160 @1~30 / 1920x1080 @1~30 (main stream) 1280x720 @1~30 / 1027x576 @1~30 / 640x360 @1~30

(sub stream)

NDI 3840x2160 @15~30

1920x1080 @15~30

1280x720 @15~30 1027x576 @15~30

640x360 @30 (low bandwidth mode)

Video Interface

HDMI (v1.4), SDI, NDIIHX, USB3.0, USB2.0

Sensor

1/1.7-in. 12.4 MP CMOS sensor

**7**00m

f5.8 - 20.3 mm (35X), f1.5 - 4.8

View angle: 60.5° (far) – 2.02° (near), horizontal

**Rotation Angle** 

**Pan:** -170° ~ +170°

**Tilt:** -30° ~ +90°

**Rotation Speed** Pan: 0°~120°/s

**Tilt:** 0°~80°/s

**Preset** 

Remote controller: 10

RS-232: 128

Accuracy: 0.1°

**Control Port** 

RS-232, RS-485, NDIIHX (VISCA over IP), USB 3.0 (UVC1.5), USB

2.0 (UVC1.1)

**Network Speed** 

1000 Mb/s

Video Encode

H.264/H.265

Bit Rate Control

Variable bit rate, constant bit rate

Video Bit Rate

1024 kb/s ~ 20480 kb/s

Supported Protocol

TCP/IP, HTTP, RTSP, DHCP, RTMP, ONVIF (v2.4), NDI (v4.0)

VISCA over IP (TCP & UDP), HTML5, VISCA, PELCO P/D

PoE

Supported, PoE+(IEEE 802.3at)

**Daisy Chain** 

Support RS-232 serial daisy chain

**Minimum Lux** 

0.1 lux

White Ralance

Auto/indoor/outdoor/manual/push/sodium lamp auto/sodium lamp

**Exposure** 

Auto/manual/bright/shutter/iris

Focus

Auto/manual

Iris

Auto/manual

**Electric Shutter** 

Auto/manual

Gamma

Supported

**WDR** 

Supported

**BLC** Supported

**2D Noise Reduction** 

Supported

**3D Noise Reduction** 

Supported

Anti-Flicker

OFF/50 Hz/60 Hz Pan Tilt Flip

Supported

Input Voltage

DC12V/PoE (IEEE802.3af)

**ORDERING** 

1-0660111-0001

PTZ 35X UHD/HD/SD camera

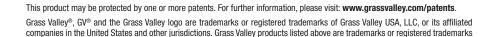


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