

## Verio HD™ II – 1080p 30, 60 and 59.94 fps HD-SDI/HDMI/DVI-I PTZ Camera, 240x Zoom & IR

### Features

- 1/2.86" 2.3 megapixel CMOS image sensor supports Full HD
- Outputs: HD-SDI, HDMI, or DVI-I
- Output Resolutions:
  - 1080p: 60/59.94/50/30/25
  - 1080i: 60/59.94/50
  - 720p: 60/59.94/50/30/25
- Highest ratio of 20x optical zoom (4.7~94 mm, F1.6)
- 20x Optical Zoom + 12x digital zoom = 240x
- Camera stores up to 128 types of camera direction and camera status
- True D&N IRC (IR Cut Filter Removable)
- 3D-DNR (Digital Noise Reduction)
- High performance functions
  - Exposure Compensation
  - Backlight Compensation
  - Image Flip
  - Auto/Manual White Balance
- Control remotely via PC with RS-485 cable connection – communications protocols supported include Sony Visca™, Pelco® D, etc.
- Pan/Tilt Angle: Horizontal: ±170°, Vertical: +90°, -20°
- Panning/tilting speed range: 0.05° per second to 100° per second
- Operates in extreme temperatures: 0°C to 40°C (32° F to 104° F)
- Ships with infrared remote control, DC adaptor, main body bracket, and ceiling bracket

### Applications

- Law Enforcement (surveillance, etc.)
- Military
- Reality TV
- Industrial use – Factories, labs, etc.
- House of Worship Venues
- Entertainment Venues

**2.3 Megapixel, 1080p, 30 fps, 60 fps and 59.94 fps 1/2.86 Inch Infrared PTZ (Pan Tilt Zoom) CMOS HD Camera with HD-SDI, HDMI, and DVI-I Output. Features 20x Optical Zoom plus 12x Digital Zoom = 240x. True D&N IRC.**



### Overview

The Verio HD II is a cost effective 1/2.86 inch CMOS Camera (utilizing approximately 2.3 million effective pixels). It features superior picture quality, with resolutions up to 1080p 60.

The versatile Verio HD II has a variety of HD video format choices and digital and analog interface connectors. The camera has HD-SDI output, suitable for long distance transmission. It also features a DVI-I (Video Out) connector supporting both digital and analog output and an HDMI output connector.

The camera can be used for NTSC and PAL output. It is equipped with a bright, F1.6 zoom lens with 20x optical zoom.

The camera complies with industry standard communications protocols such as Sony Visca™ and Pelco® D. It can be operated remotely by using both RS-232 and RS-422/485.

The Verio HD II stores up to 128 types of camera direction and camera status. It ships with an infrared remote control to configure the camera and also to select panning, tilting, and zooming from the settings menu.

## Specifications

### Video Outputs

Video Outputs	HD-SDI (HD), HDMI, DVI-I (HD)
Resolutions	1920x1080p/60, 1920x1080p/50, 1920x1080p/59.94, 1920x1080i/60, 1920x1080i/59.94, 1920x1080i/50, 1920x1080p/30, 1920x1080p/25, 1280x720p/60, 1280x720p/59.94, 1280x720p/50, 1280x720p/30, 1280x720p/25

### Sensor

Image Sensor	1/2.86" Progressive CMOS (Approx. 2.3 megapixels)
Scanning System	16:9 Progressive
Sync. System	Internal
Effective Pixels	1920(H) x 1080 (V)
Minimum Illumination	0.2 Lux (Day), 0.1 Lux (Night), 0.005 Lux (Slow Shutter on)

### Optics

Lens	20x Optical Zoom, F=4.7~94mm, F1.6~F3.5
Zoom	20x Optical Zoom + 12x digital zoom = 240x
Angle of View(H)	57.4 degrees (WIDE), 3.2 degrees (TELE)

### Function

Exposure	Auto/Manual
White Balance	Auto/Indoor/Outdoor /One Push/ATW/Manual
Focus	Auto/Manual
Shutter Speed	1 to 1/10,000 seconds
Wide-D	On/Off
Flickerless	On/Off

### Pan/Tilt

Pan/Tilt Angle	Horizontal: $\pm 170^\circ$ , Vertical: $+90^\circ, -20^\circ$
Pan/Tilt Speed	Maximum panning/tilting speed: $100^\circ$ per second
Presets	128

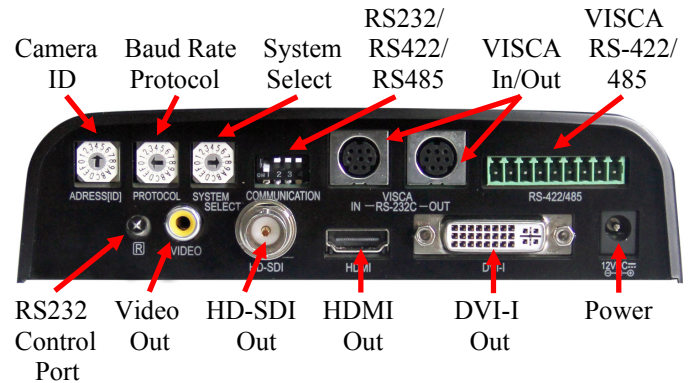
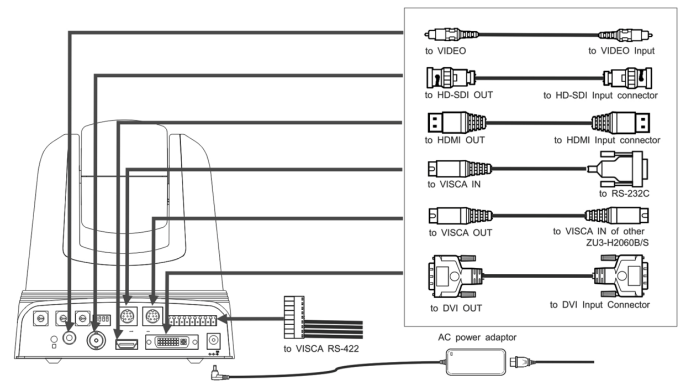
### Physical and Power

Protocol	VISCA, PELCO-D, Panasonic, Samsung
Communication	8 bits data, 1 stop bit, no parity (2400, 4800, 9600, 38400 bps) RS-232, RS-422/RS-485, Remote Commander
OSD	Menu
Power Requirements	DC 12V/1.0A
Power Consumption	12W
Dimensions	155.5 (W) x 171.5 (H) x 138 (D) millimeters 6.12 (W) x 6.75 (H) x 5.43 (D) inches
Weight	5.5 lbs. (2.5 Kg)
Operating Temp.	0°C ~ 40°C (32°F ~ 104°F)

## Ordering Information

**Verio HD II:** HD PTZ video camera with HD-SDI, HDMI, or DVI-I output

## Back of Camera Connections



## Dimensions

