High-Definition
Conference Room Engineering Camera
(Model: HD830)

HD830 is a High-Definition conference room engineering camera, which uses 1⁄2.7-type HD CMOS image sensor with over 2 million effective pixels. It can output both high definition and standard definition video simultaneously, and it is a perfect match to any codec, videoconferencing endpoint, and other video systems.

With built-in 20x optical zoom, 16x digital zoom lens and a high-speed, quiet Pan/Tilt operation mechanism, this camera can cover subjects across a wide range of applications. It also features a quick auto-focus, excellent auto-exposure, up to 245 presets with a reliable mechanical design. The camera provides an accurate and quick response, making the HD830 an ideal choice for applications including AV integration, videoconferencing, distance learning and video streaming.

Features：

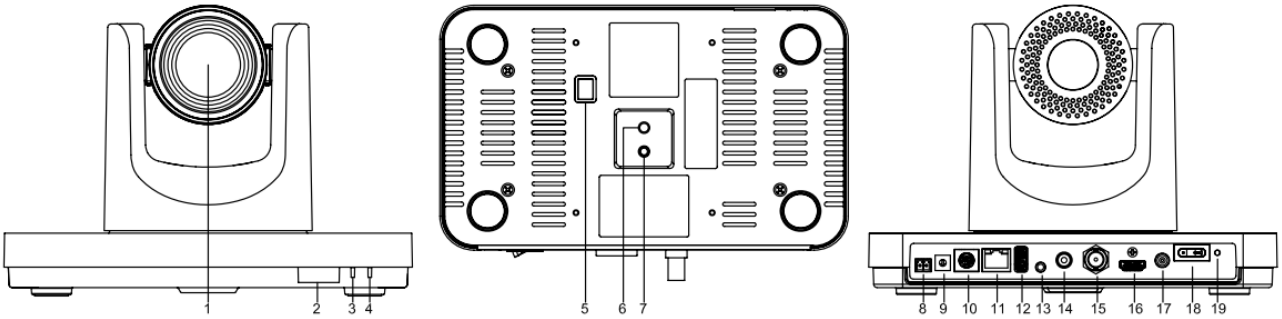
- Outstanding HD Quality and Color Reproduction- HD830 camera incorporates a 1⁄2.7”-type HD CMOS image sensor with over 2 million effective pixels, supporting up to 1080p30 resolution.
- Multiple Video Outputs- HD830 camera supports simultaneous video outputs in multiple video interfaces including HDMI, HD-SDI, and Composite Video.
- Easy-to-Use Operation - Reliable, Wide-Range, Quiet and Quick Pan/Tilt Mechanism.
- Low Light sensitivity (0.5 Lux) making it especially suitable for use in difficult illumination.
- RS-232 & RS-485 Remote Control
- HD830 camera supports multiple protocols including VISCA, PELCO-D and PELCO-P.

- HD830 camera supports IR remote control and through the on-screen display menu, all settings can be easily configured.
- Besides table top mounting, the HD830 camera supports ceiling installation using additional mounting bracket (included), and video vertical & horizontal flip direction can be reversed easily by menu settings.
- HD830 camera can store up to 245 presets. Settings are retained in firmware even after camera is powered down thus providing consistent performance and precision positioning.
- RJ45 control
- HD830 Supports version updating via RJ45 port.

Specifications：

Image sensor	1/2.7-type HD CMOS
Effective pixels	2.07 million
Video format	1080p30, 1080p25, 1080i60, 1080i50, 720p60, 720p50
Lens	20x, f4.42mm ~ 88.5mm, F1.8 ~ F2.8
Digital Zoom	16x
Electronic shutter	1/25 to 1/10,000 sec.
Minimum illumination	0.5 Lux @ (F1.8, AGC ON)
Horizontal Field	60.7° ~ 3.36°
Vertical Field	34.1° ~ 1.89°
S/N ratio	≥55dB
White Balance	Auto, Indoor, Outdoor, One-Push, Manual
Backlight compensation	Off / On
Pan/Tilt speed	Pan: 1.7° ~ 100°/sec., Tilt: 1.7° ~ 69.9°/sec.
Pan/Tilt range	Pan: ±170°, Tilt: -30 ~ 90°
Preset	Up to 245, Preset accuracy ≤ 0.1°
Video output	HDMI, HD-SDI, & CVBS (Composite Video)
Multiple video outputs	3 Live signals simultaneously (2 x HD, 1 x SD)
Control protocol	PELCO-D/ PELCO-P / VISCA
Control port	1xRS-232: 8pin Min DIN, Protocol: VISCA/Pelco-D/Pelco-P 1xRS-485: 2pin phoenix port, Protocol: VISCA/Pelco-D/Pelco-P
Baud rate	2400/4800/9600 bps
Temperature	Operating: -5°C ~ 40°C， Storage: -20°C ~ 60°C
Humidity	0 ~ 95% (without condensation)
Power supply	12V DC/2.0A
Power consumption	12W
Color	Silver & Black
Dimensions	240 x 160 x 144 mm (Wide x Height x Depth)

Rear Panel:



No	Component	No	Component
1	Lens	11	RJ45
2	Infrared sensor	12	USB port(Reserved)
3	Power light	13	Line in
4	Status indicator lamp	14	CVBS
5	Dip switch	15	HD-SDI
6	Installing screw hole ¼”-20	16	HDMI
7	Installation location hole	17	Power input
8	RS485	18	Power switch
9	Video resolution selection switch	19	Power light
10	RS232		