

HY-HD320

20X HD PTZ Camera

Description

This professional Full HD PTZ camera features a high-quality 1/2.8-inch CMOS sensor with 2.07 million effective pixels, delivering 1920 × 1080 resolution at up to 60 fps. Equipped with a 20× optical zoom lens, advanced autofocus, and 2D/3D noise reduction technology, it provides sharp, clear images with excellent low-light performance. The camera offers smooth and quiet pan-tilt operation, multiple connectivity options including HDMI, SDI, USB, and LAN, and supports H.264+/H.264 video compression along with ONVIF, RTSP, RTMP, and VISCA protocols for seamless system integration. With automatic image inversion for ceiling installation, low-power sleep mode, and RS-232/RS-485 control, it is an ideal solution for professional video conferencing, live streaming, education, broadcasting, and corporate meeting environments.

Specifications

Mechanical	
Image Sensor	1/2.8" CMOS, 2.07 Megapixels
Maximum Resolution	1920 × 1080 (Full HD 1080p)
Frame Rate	Up to 60 fps
Focal Length	f = 5.5 mm – 110 mm
Aperture	F1.6 – F3.5
Optical Zoom	20×
Digital Zoom	10×
Viewing Angle (H)	54.7° (wide end) – 3.3° (tele end)
Pan Range	–170° to +170°
Pan Speed	0.1 – 100°/s
Tilt Range	–30° to +30°
Tilt Speed	0.1 – 45°/s
Video Compression	H.264+ / H.264
Audio Encoding	AAC, MP3, G.711A, PCM
Audio Sampling Rate	8,000 / 16,000 / 32,000 / 44,100 / 48,000 Hz
Video Output	HDMI, DVI (HDMI), SDI, USB 2.0, USB 3.0, Wired LAN
Streaming Protocol	ONVIF, RTSP, RTMP, GB/T28181
RTMP Push Support	Compatible with Wowza and FMS streaming servers
Control Protocol	VISCA (Serial & IP), PELCO-D, PELCO-P; auto protocol detection
Control Interface	RS-485; RS-232 daisy chain
Sleep Power Consumption	< 400 mW

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