

HY-HT20

4K 20X HD PTZ Camera Tracking

Description

The HT20 Series is a professional 4K Ultra HD PTZ Camera engineered for video conferencing, meeting rooms, distance learning, live streaming, and professional broadcasting applications. Equipped with a high-performance 1/2.5-inch CMOS sensor and up to 20× optical zoom, it delivers crystal-clear 4K images with exceptional color accuracy and outstanding low-light performance. Advanced 2D/3D noise reduction, Wide Dynamic Range (WDR), and intelligent image processing ensure sharp, natural-looking video in any environment. The precision PTZ mechanism provides smooth, fast, and ultra-quiet pan, tilt, and zoom operation with support for up to 255 preset positions, making it ideal for automated camera control. With versatile connectivity including HDMI, USB 3.0, IP Streaming, and 3G-SDI (model dependent), along with support for H.265/H.264 video compression, VISCA, Pelco-D, and Pelco-P control protocols, the HT20 Series offers seamless integration into modern AV systems. Its USB audio support, simultaneous audio and video transmission, and optional AI tracking capability make it the perfect solution for professional communication and collaboration environments.

Specifications

Mechanical	
Image Sensor	1/2.5" High-Quality CMOS
Effective Pixels	8.51 Megapixels
Maximum Resolution	3840 × 2160 (4K UHD)
Scanning Mode	Progressive
Optical Zoom	10× / 12× / 20×
Digital Zoom	16×
Minimum Illumination	0.1 Lux (Color), 0.01 Lux (B/W)
Signal-to-Noise Ratio	≥52 dB
Shutter Speed	1/30 – 1/10,000 sec
White Balance	Auto / Indoor / Outdoor / Manual
Backlight Compensation	Supported
Noise Reduction	2D & 3D DNR
Pan Range	±170°
Tilt Range	-30° to +90°
Pan Speed	1°-100°/s
Tilt Speed	1°-60°/s
Preset Positions	255
Preset Accuracy	±0.1°

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