



Astra P1

Professional Precision. Effortless Motion.

The Astra P1 PTZ combines a high-performance UHD 4K60 imaging system and 30x optical zoom with intelligent face-detection AE and AI auto-tracking. With support for NDI®|HX3 and diverse I/O interfaces, it is a comprehensive professional solution for churches, halls, various live events, and beyond.



UHD 4K60



Face Detection AE



30x Optical Zoom



AI Auto Tracking



NDI®|HX3 Support



Optional PTZ Controller



Ease of Use



5-Year Warranty

SPECIFICATIONS

Camera

Image Sensor	1/1.8" High-quality CMOS Sensor	
Effective Pixels	8.42 Megapixels (16:9 aspect ratio)	
Optical Zoom	30x Zoom (f = 7.1mm ~ 210mm)	
Digital Zoom	16x	
Video Format	HDMI: 2160p25/29.97/30/50/59.94/60 1080p29.97/30/50/59.94/60 1080i50/59.94/60 720p59.94/60	3G-SDI: 1080p25/29.97/30/50/59.94/60 1080i50/59.94/60 720p59.94/60
Aperture Range	F1.61 ~ F5.19	
Field of View (H/V)	Horizontal: 59.2° ~ 2.5° Vertical: 34.6° ~ 1.4°	
Minimum Illumination	0.5 Lux (F1.8, AGC ON)	
Shutter Speed	1/30s ~ 1/10000s	
Signal-to-Noise Ratio (SNR)	≥55dB	

PTZ Performance

Rotation Range	Pan: ±170° Tilt: -30° ~ +90°
Rotation Speed	Pan: 1.7°/s ~ 100°/s Tilt: 1.7°/s ~ 69.9°/s
Preset Positions	255 Positions (Accuracy: 0.1°)

I/O Interface

Audio	1 × 3.5mm LINE IN 1 × 3.5mm LINE OUT
Communication	1 × RS485 (2-pin Phoenix Terminal) 1 × RS232 IN (8-pin Mini-DIN)
Network	1 × RJ45 10M/100M/1000M Adaptive Ethernet
USB	1 × USB 2.0 Type-A 1 × USB 3.0 Type-B
Video	1 × 3G-SDI 1 × HDMI 2.0
Power	DC 12V (JEITA Type)

Network Features

Video Compression	H.264 / H.265 / MJPEG
Video Streams	Main Stream (First Stream), Sub Stream (Second Stream)
Main Stream Resolution	3840x2160, 1920x1080, 1280x720, 1024x576, 720x480, 720x408, 640x480, 640x360
Sub Stream Resolution	720x480, 720x408, 640x480, 640x360, 480x320, 320x240
Supported Protocols	NDI® HX3, TCP/IP, HTTP, RTSP, RTMP(S), DHCP, SRT, Multicast, etc.

General Specifications

Input Voltage	DC 12V/PoE+
Input Current	2A (max.)
Power Consumption	18W (max.)
Operating Temperature	32°F ~ 104°F (0°C ~ 40°C)
Storage Temperature	-40°F ~ 140°F (-40°C ~ 60°C)
Dimensions	(L×W×H): 169×188×226mm
Net Weight	Approx. 2.3kg

*Notice: Product features and specifications are subject to change without notice.