

# SDC024

## 4K AI Tracking PTZ Camera



### Overview

The SDC024 AI Tracking PTZ Camera is designed for professional conferencing, education and live presentation environments. Equipped with a 1/2.8-inch CMOS sensor and UHD lens, the camera delivers clear and natural 4K video output.

Featuring a high-precision PTZ mechanism and up to 20× optical zoom, the camera easily captures presenters and details across medium to large spaces. Built-in AI tracking functions allow the camera to automatically follow the speaker and simplify operation during presentations.

With rich interfaces including HDMI, USB, SDI and IP streaming, and support for RTSP, RTMP, ONVIF and optional NDI®|HX3, the SDC024 integrates smoothly into modern AV systems. PoE power supply and Web UI control further simplify installation, configuration and daily management.

### Key Features

- Support 4K UHD video output
- Support 1/2.8" high-quality CMOS sensor
- Support AI auto tracking technology
- Support auto framing function
- Support lecturer tracking mode
- Support gesture control tracking
- Support up to 20× optical zoom
- Support HDMI / USB / SDI video outputs
- Support RTSP / RTMP / ONVIF streaming
- Support optional NDI®|HX3 protocol
- Support VISCA / Pelco-P / Pelco-D control
- Support Power over Ethernet (PoE)
- Support Web UI remote configuration
- Support 2D & 3D digital noise reduction
- Support high-precision pan-tilt control

Model Name	SDC024-B12/B12N	SDC024-B20/B20N
Sensor	1/2.8-inch high-quality CMOS sensor	
Effective Pixels	16: 9 aspect, 8.46 MP	
Resolution	HDMI: Up to 3840 x 2160 at 30 fps RJ45 (RTSP, RTMP, VISCA Over IP, ONVIF, SRT, NDI HX3): Up to 3840 x 2160 at 30 fps SDI: Up to 1920 x 1080 at 60 fps UVC: Up to 3840 x 2160 at 30 fps	
Focal	F = 3.9mm ~ 46.8mm	F = 4.7mm ~ 94mm
Iris	F1.6 ~ F2.8	F1.6 ~ F3.5
Optical Zoom	12x optical zoom	20x optical zoom
HFOV	72.5° ~ 6.3°	59.5° ~ 2.9°
Pan Rotation	±170°, 0.1° ~ 120°/s	
Tilt Rotation	-30° ~ +90°, 0.1° ~ 90°/s	
Shutter Speed	1/50s ~ 1/10000s	
Noise Reduction	2D & 3D DNR	
Camera Control	VISCA/PELCO-P/PELCO-D	
Optional NDI	Yes	
External Power Supply	DC12V < 15W, PoE Supported	
Warranty	2 years	
Operating Temperature Range	0°C ~ +40°C	
Operating Humidity Range	10%RH ~ 90%RH	
Storage Temperature Range	-20°C ~ 60°C	
Storage Humidity Range	10%RH ~ 95%RH	
Dimension	211mm x 137mm x 170mm	
Weight	1.2KG	

## Models and Scales

Models	Optical Zoom	Video Interface	NDI	PoE
SDC024-B12/20	12x/20x	SDI, USB2.0, HDMI, LAN	No	Yes
SDC024-B12N/20N	12x/20x	SDI, USB2.0, HDMI, LAN	Yes	Yes

## Applications

